CORDIVARI®

RADIATORS
TOWEL RAILS



CATALOGUE

N° 8



COLORS

STANDARD

RAL 9010 - R01
BIANCO
PURE WHITE

RAL 9016 - R02
BIANCO TRAFFICO
TRAFFIC WHITE

COLOR
GREEN

CLASSIC

Must have selection colors

RAL 9001 - R14
CREMA
CREAM

T11
BIANCO OPACO
MATT WHITE

T10
BEIGE OPACO
MATT BEIGE

RAL 1013 - R40
PEARL WHITE

S17
BAHAMA BEIGE

RAL 9005 - R13
NERO
JET BLACK

RAL 7001 - R21
GRIGIO ARGENTO
SILVER GREY

T19
BRITISH GREY

S07
GRAFITE
GRAPHITE

F43
GREY ANTRACITE

RAL 1021 - R05
GIALLO ACCESO
YELLOW RAPE

H27
ROSSO VIVO
BRIGHT RED

RAL 3003 - R08
ROSSO RUBINO
RUBY RED

RAL 5017 - R18
BLU OLTREMARE
OVERSEAS BLUE

RAL 7030 - R22
GRIGIO PIETRA
STONE GREY

F30
WHITE SAND

F25
QUARTZ DUST

F31
CORTEN BROWN

F36
TERRA

RAL 8017 - R09
TESTA DI MORO
DARK BROWN

F23
SPARKLING GREY

F04
GRIGIO GRAFITE
GRAPHITE GREY

F15
NERO BRILLANTE MET.
METAL SPARKLING BLACK

F24
BLACK STAR

T01
NERO OPACO
MATT BLACK

NEW

RAL 6019 - R26
WEISSGRÜN
LIGHT GREEN

F45
SAGE GREEN

F14
EFFETTO BRASS ANTICO
OLD BRONZE EFFECT

Colors, like features, follow the changes of emotions.
(Pablo Picasso)

SPECIAL

Innovative and modern colors

F20
MILKY

S03
PERGAMON

T15
TELA OPACO
TELA

T20
WHITE GREY

F09
GRIGIO ALBA MET.
GRAPHITE LIGHT GREY



For a more accurate consultation of the colors, please refer to CORDIVARI COLOR SYSTEM.

Cordivari company has a proven industrial tradition and is now one of the most important manufacturers in the heating and plumbing industry in Italy. Founded in 1972 by Ercole Cordivari, the company is producing calorifiers & buffer tanks, solar thermal systems, compressed air receivers, design radiators and fan coil units.
Cordivari plants are situated on an area of 370.000 square meters and employs more than 700 employees. All products are designed and manufactured in Italy at the Cordivari facilities, ensuring total "Made in Italy" quality. Thanks to its development strategies, to new technologies and to the training of new human focused resources, Cordivari is equipped with modern structures and advanced production processes.

Sustainability-oriented choices allow for productive and research activities to be carried out in full respect for people and environment. The company operates according to the UNI EN ISO 14001 Environmental Management System and the UNI EN ISO 45001 Safety Management System, in addition to the UNI EN ISO 9001 Quality Management System, which ensures the full quality and reliability of the products. The highly qualified management, the constant research for innovative solutions and the extremely customer-oriented company policy, stands for the leading market position and the exclusive know-how in the field of integrated heating systems, that the Cordivari group has acquired. All this is the result of a continuous commitment to achieve Customer Satisfaction.



Cav. **Ercole Cordivari**

OUR KNOW-HOW

Thanks to the experience gained in over 40 years of activity, the Cordivari company has contributed to the evolution of the sector introducing innovative solutions on the market, oriented towards design, savings and domestic comfort. Cordivari has been the protagonist of the evolution of the design and functionality of the heating terminals thanks to the introduction of innovations in the field of technics, processes and materials.

At the end of the 80s it was the first company to introduce on the market a decorative radiator made of stainless steel, from which a whole line of products was born, and over the years has become a "cult" of the sector and a hallmark of the company. Over the years, the study of materials has been complemented by a continuous research in design and finishes, always aware of trends in architecture and building techniques.

Today the Cordivari range of radiators is the most complete on the market, with over 100 models that explore every material, ranging from tubular to towel warmers, from decorative radiators to heating bodies designed in collaboration with the most prestigious international representatives.









QUALITY AND SUSTAINABILITY

Choose serenity.
Today, more than ever, those who choose a Cordivari product choose serenity!

With the introduction of the new ErP Ecodesign standards, we have chosen to offer you the certainty of performance and reliability.

The creation of the Cordivari LAB represents this precise choice.

Since 2015, the company has equipped itself with a state-of-the-art laboratory and testing area, capable of testing any product or system, measuring and certifying its performance.

Through severe procedures, ruled by European standards, and complex instruments, Cordivari is the only Italian manufacturer able in performing accurate internal tests on 100% of the products, in compliance with European regulations.

QUALITÀ · AMBIENTE · SICUREZZA
UNI EN ISO
9001 · 14001
45001

EURONORM
EN 442-1
RADIATORS AND CONVECTORS

CE
Direttiva 93/68/CEE
CPR 305/2011





ISO 9001
Quality System



ISO 14001
Environmental System



ISO 45001
Workplace Safety System

Quality, safety, and environment as a vision

Awareness for the future



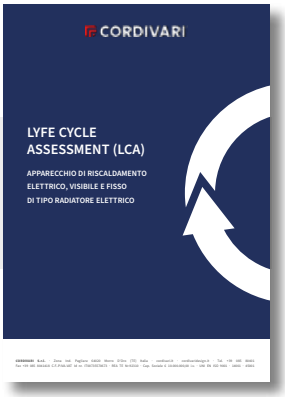
Sustainability Report



Code of Conduct

Shared ethics with partners throughout the supply chain

Focus on sustainability throughout the product life cycle



EPD according to ISO 14025

COMPLETE SYSTEMS FOR THE

GREEN HOME

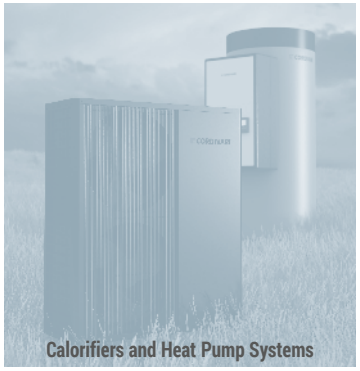
Cordivari, a leading company in the sector, has constantly evolved, updated, and transformed itself, introducing and flanking its historical products with systems and solutions that are the result of research and development and that today represent strategic assets for the company.

The production approach is oriented towards high-efficiency systems designed to optimize the living comfort and energy efficiency of buildings, through different business units that are perfectly interconnected, such as the radiators and towel warmers division, solar thermal systems, water recovery and treatment, DHW cylinders and heat pump systems. The company vision is committed to total responsibility and sustainability.
Internal organization and relevant production processes are supporting this vision, allowing the products to fullfill the requirements of efficiency and sustainability throughout their life cycle.

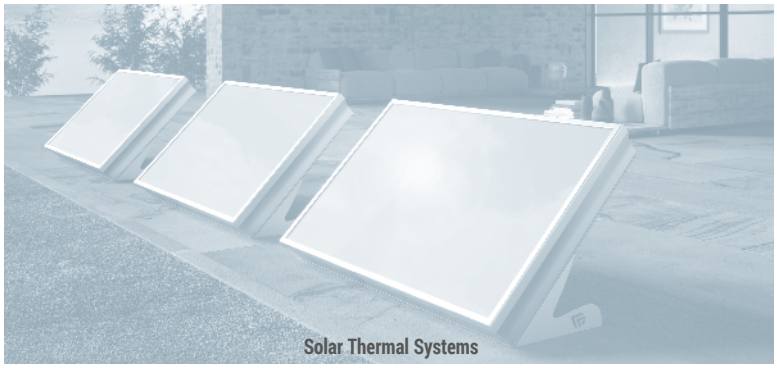
By developing its offer for the markets, Cordivari is using patented solutions able to combine comfort, energy performance, wellness and savings, through the use of the best industrial technologies based on renewable sources and a responsible use of energy and environmental resources.




Radiators and Towel Rails


Calorifiers and Heat Pump Systems


Water Recovery and Treatment


Solar Thermal Systems

GENERAL INDEX



TOWEL RAILS
Radiators



STAINLESS STEEL
Radiators



ACCESSORIES &
TECHNICAL SUPPORT

ardesia® 10 ARDESIA®



48 TOWEL RAILS

ELECTRIC & BLOWER
Radiators 108 ELECTRIC & BLOWER



158 STAINLESS STEEL

LIVING
Radiators 200 LIVING



330 ACCESSORIES TECHNICAL SUPPORT

Alphabetical Index 368




ardesia®


Color: RAL 9005 - R13 Jet black

MATERIAL:
• Moulded heads in mild steel.
• Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

NEW

The Ardesia® tubular radiator can also be supplied complete with **RAPID** or **MINIMAL** fixing kit.

HOW TO ORDER ARDESIA® TUBULAR

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF ELEMENTS		CONNECTION	CONSTANT VALUE
AX	2	19	1800	D01	T01	A
	NR. OF COLUMNS		HEIGHT		COLOR	

EXAMPLE OF ARTICLE CODE

AX 2 19 1800 D01 T01 A

Ardesia® 2 columns - 19 Elements - H 1800
- Rapid fixing kit AX
- Connection D01
- Color T01

FIXING KIT:

AVAILABLE CONFIGURATIONS FOR ARDESIA®

ARDESIA® **WITHOUT** FIXING KIT **(AR)**

The radiator will be supplied WITHOUT the fixing brackets. The customer will be able to choose between the available accessories. See from page 341 on.

ARDESIA® WITH **RAPID** FIXING KIT **(AX)**

The radiator will be supplied with RAPID fixing kit. This type of fixing kit allows precise, fast and safe installation, particularly suitable for large construction sites. Option available for all models delivered as a single welded piece. Available in all colors. Exclusively for radiators supplied as a single battery.

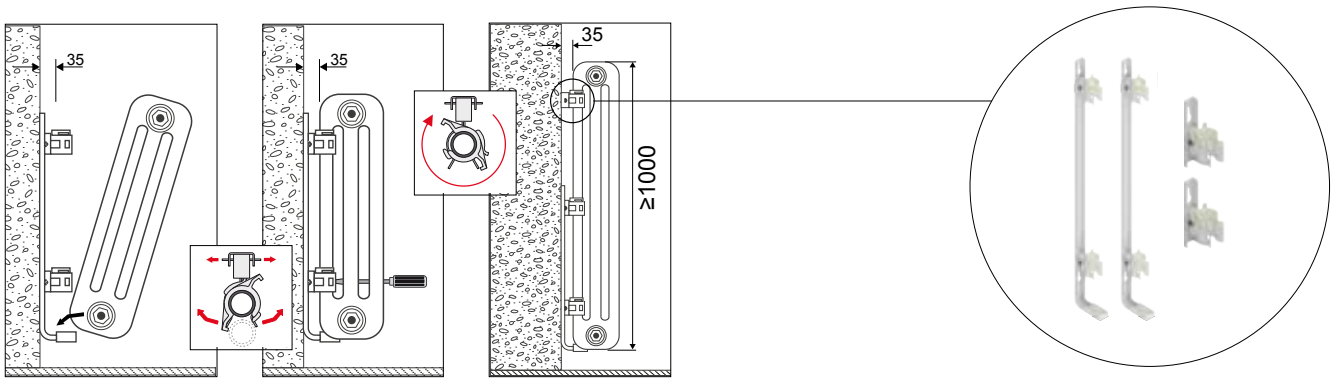


ARDESIA® WITH **MINIMAL** FIXING KIT **(AW)**

ARDESIA® with MINIMAL fixing kit (AW). The radiator will be supplied with MINIMAL fixing kit. Flexible and reliable fixing kit. Option available for all models delivered as a single welded piece. Available in all colors. Exclusively for radiators supplied as a single battery.

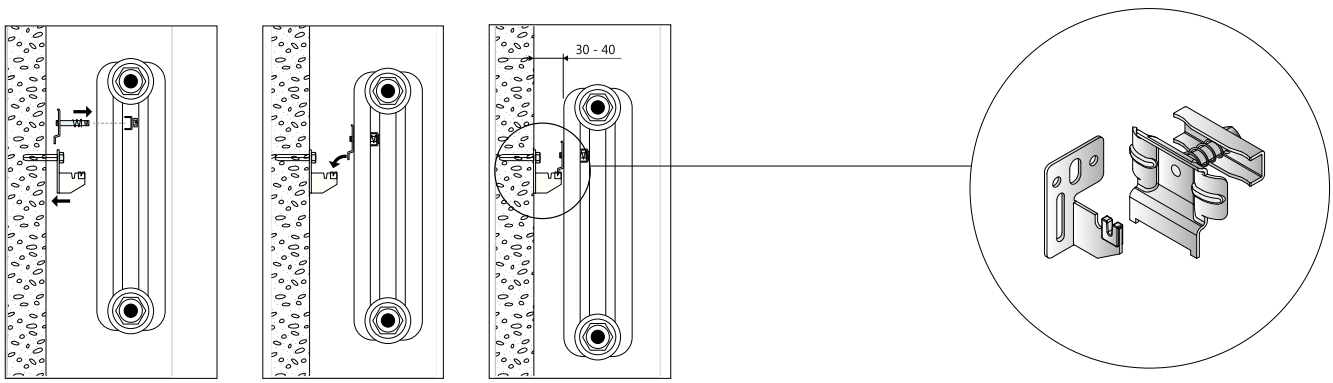


Example of installation with **RAPID SAFETY KIT (AX)**

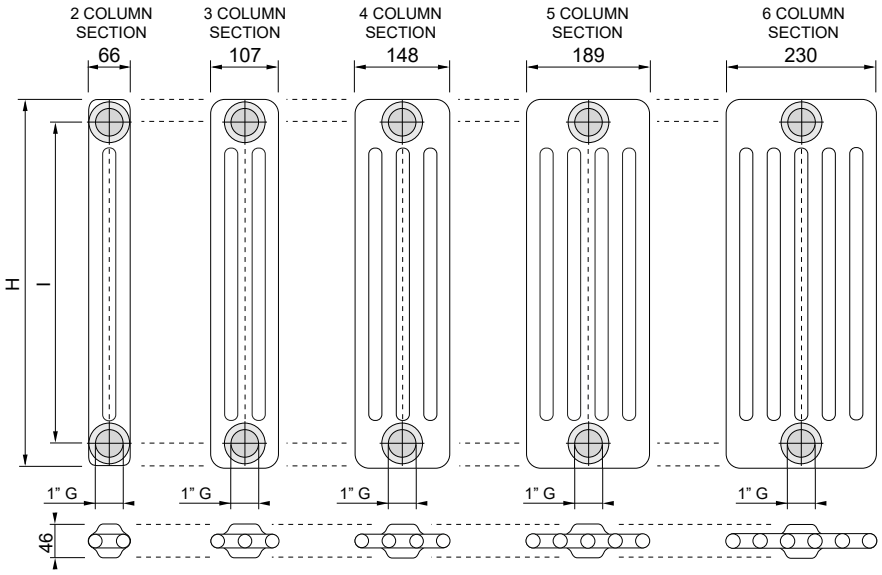


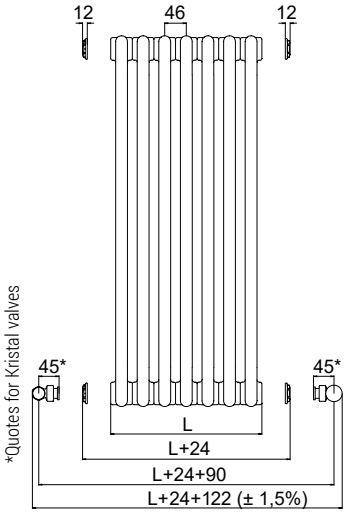
The **'RAPID'** FIXING kit is included with the **AX** model, in the same color as the radiator.

Example of installation with **MINIMAL FIXING KITS (AW)**



The **'MINIMAL'** FIXING kit is included with the **AW** model, in the same color as the radiator.





MAXIMUM NUMBER OF SECTIONS WELDED TOGETHER

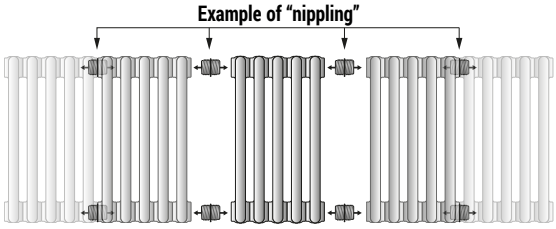


HEIGHT H [mm]	PIPE CENTRES I [mm]	NR. COLUMNS 2	3	4	5	6
207	151	40	40	40	40	40
300	244	40	40	40	40	40
400	344	40	40	40	40	40
500	444	40	40	40	40	40
556	500	40	40	40	40	35
586	530	40	40	40	40	35
600	544	40	40	40	40	35
626	570	40	40	40	36	30
656	600	40	40	40	36	30
676	620	40	40	40	36	30
750	694	40	40	40	33	27
756	700	40	40	40	33	27
786	730	40	40	40	33	27
856	800	40	40	35	28	23
876	820	40	40	35	28	23
900	844	40	35	35	28	23
926	870	40	35	35	28	23
1000	944	40	35	35	25	20
1200	1144	35	35	25	20	15
1500	1444	35	25	20	15	15
1656	1600	35	25	20	15	14
1800	1744	35	22	20	12	10
1856	1800	35	22	20	12	10
2000	1944	30	22	15	12	10
2056	2000	30	22	15	12	10
2200	2144	30	18	15	12	10
2500	2444	25	18	15	12	10

NIPPLING

The number of section/width is virtually unlimited. It is possible, in fact to obtain a bigger number of sections connecting the single radiators together (see Accessories).

Example of "nippling"





Use only Cordivari Nipples.
The use of other nipples does not guarantee the sealing of the radiator and excludes the warranty.
All the batteries of the same height, can be joined together, starting from a minimum of 3 sections.
In the "joining operation" do not exceed the rate of 10 kg x meter.
The special white silicon gasket guarantees a perfect hydraulic seal.

PLEASE NOTE: ONLY USE CORDIVARI NIPPLES.



HOW TO ORDER YOUR TUBULAR ARDESIA®

FIXING (choose the type of FIXING KIT)

AR ARDESIA® **WITHOUT FIXING** KIT

AX ARDESIA® WITH **RAPID** FIXING KIT
(MATCHING THE RADIATOR COLOR)
Available only for radiators supplied as a single battery unit.



NEW

AW ARDESIA® WITH **MINIMAL** FIXING KIT
(MATCHING THE RADIATOR COLOR)
Available only for radiators supplied as a single battery unit.



NEW

COLUMNS (choose the number of columns)

ELEMENTS (choose the number of elements)

HEIGHT (choose the height)

CONNECTION (choose the type of connection - see pages 18-19)

COLORS (choose the color - see color chart on pages II-III) WHITE CLASSIC SPECIAL

CONSTANT VALUE (**"A"** fixed value)

EXAMPLE OF CREATING AN ARTICLE CODE

FIXING

AR

+

NR. OF COLUMNS

2

+

NR. OF ELEMENTS

19

+

HEIGHT

1800

+

CONNECTION

002

+

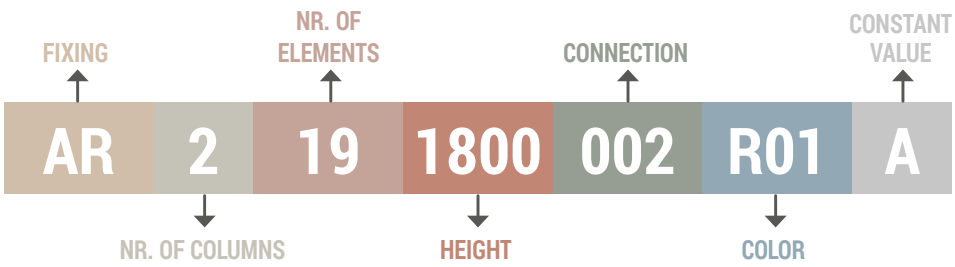
COLOR

R01

+

CONSTANT VALUE

A



COMPOSITION

ARDESIA® without fixing kit, 2 columns,
19 elements, height 1800, connection 002, white R01

AR 2 19 1800 002 R01 A

ardesia CONNECTIONS

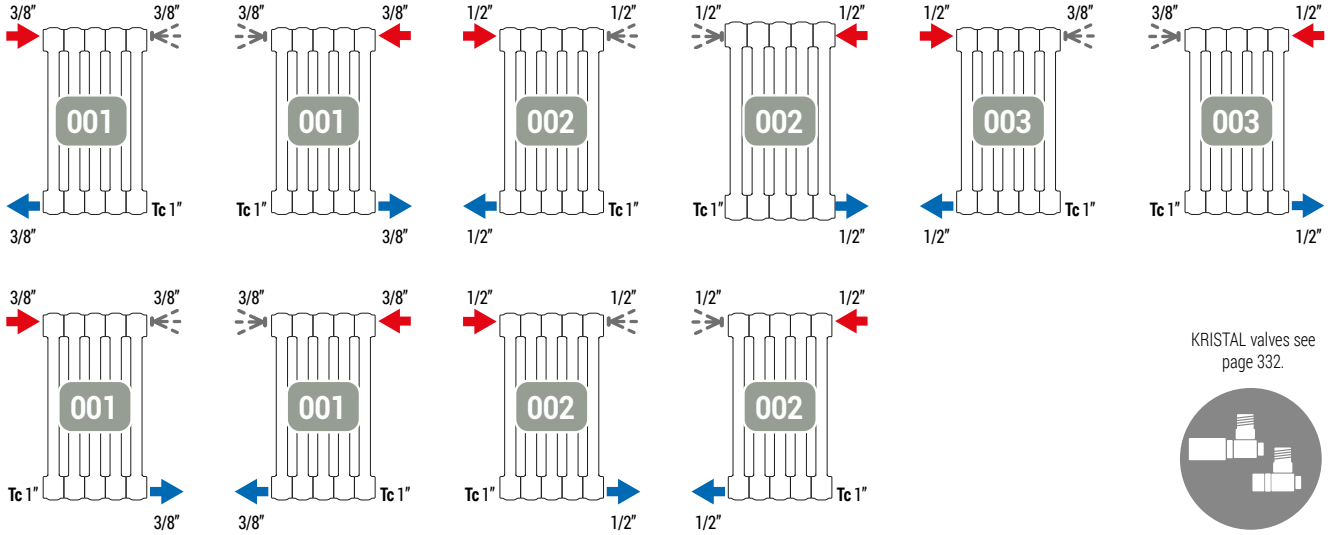
To facilitate the desired choice, we have prepared standard configurations with pre-installed reducing bushes and caps. When placing an order, specify the required version. If the type of connection is not specified, the radiator will be supplied with open connections. To order fittings and accessories, refer to page 332.

STANDARD CONFIGURATIONS
Standard configurations, except for connection "000" or special executions excluded, include airvent end caps and bushes already mounted. It is necessary to specify the desired combination (example: 001, 002, 003, D08, M02, AS3 ecc...).
PLEASE NOTE.: besides the configurations hereby presented, all configurations with diameters of 3/4" • 1/2" • 3/8" • 1/4" are available.

LEGEND			
In		Out	
Airvent		Connection 1/2"	
Movable Diverter		Welded Diverter	
Tc	End cap		Thermostatic head
Bidirectional			

SIDE AND OPPOSITE CONNECTIONS

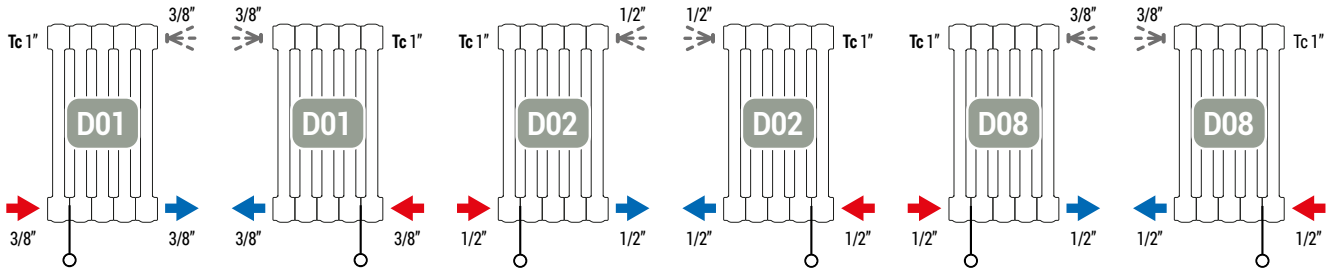
Airvent included



KRISTAL valves see page 332.

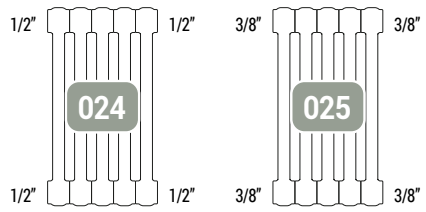
BOTTOM-SIDE CONNECTIONS

Airvent included



UNIVERSAL CONNECTIONS

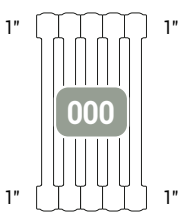
Airvent included

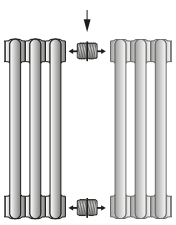




CONNECTIONS FOR NIPPLING OPERATION

4 open connections with 1" threading end cap, reducing bushes and airvent are supplied separately, on demand.

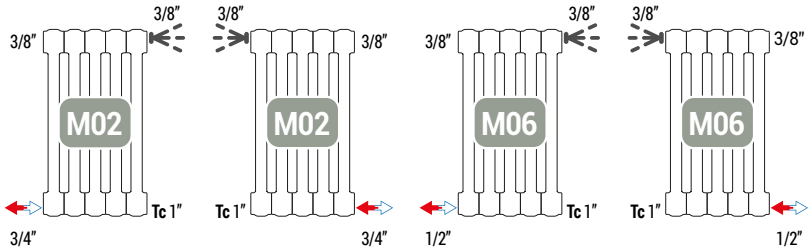




Ideal for wholesalers that wish to have a stock of radiators ready for use.
The "000" connection for nippling operation allows to have batteries of several dimensions and with an almost endless number of heating sections.

BIDIRECTIONAL CONNECTIONS

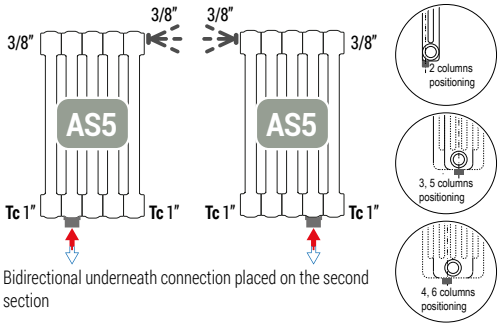
Airvent included



Valve Bidirectional Kristal Cordivari only for M6 bidirectional connection for batteries from 3 up to 20 sections.(see ACCESSORIES).

BIDIRECTIONAL CONNECTIONS

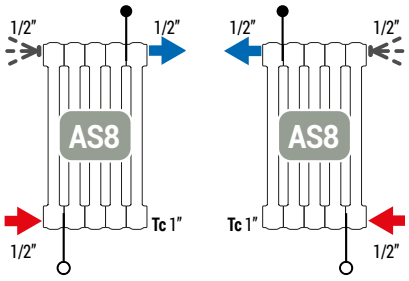
Airvent included



Bidirectional underneath connection placed on the second section

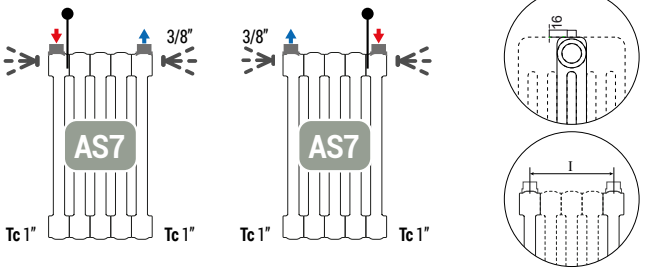
OPPOSITE SPECIAL CONNECTIONS

Airvent included



WITH UPPER SLEEVES CONNECTIONS

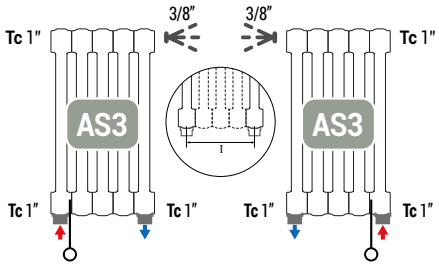
Airvent included



Pipe centres I (mm) = 46 x (n° el. - 1)

UNDERNEATH WELDED SLEEVES CONNECTIONS

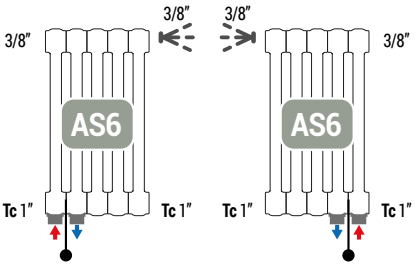
Airvent included



Pipe centres I (mm) = 46 x (n° el. - 1)

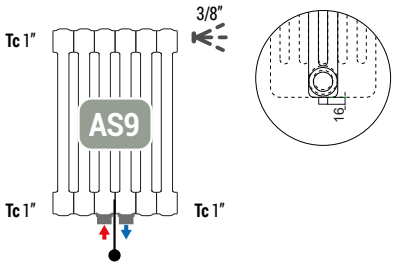
Pipe centres different from standard are available on demand.

Airvent included



Pipe centres = 50 mm

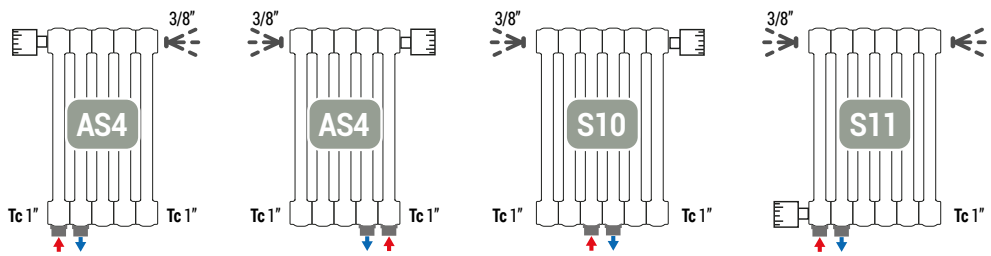
Airvent included

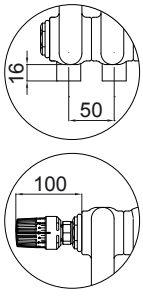


Pipe centres = 50 mm

(available for even n° of sections only)

WELDED UNDERNEATH SLEEVES WITH PIPE CENTRES 50 MM 1/2'' AND THERMOSTATIC HEAD MOUNTED(*)





(*) Valve unit and Liquid thermostatic head Oventrop with liquidfunctioning in accordance with UNI EN 215:2007 regulation.

ardesia HEIGHTS

PRICE AND TECHNICAL DATA PER SECTION

Height [mm] 207	COLUMNS 2	3	4	5	6
Δt 60 = [W]	22,2	31,5	40,7	50,5	61,9
Δt 50 = [W]	**17,5**	**24,8**	**32,0**	**39,7**	**48,7**
Δt 40 = [W]	13,1	18,5	23,9	29,5	36,3
Δt 30 = [W]	9,0	12,7	16,3	20,1	24,8
Pipe Centres [mm]	151				
Water content [lt]	0,29	0,42	0,56	0,70	0,80
Dry Weight [kg]	0,35	0,53	0,71	0,89	1,07
Exp. [n]	1,303	1,314	1,317	1,329	1,318

Height [mm] 300	COLUMNS 2	3	4	5	6
Δt 60 = [W]	32,1	43,7	58,9	71,9	86,1
Δt 50 = [W]	**25,6**	**34,7**	**46,8**	**56,5**	**67,7**
Δt 40 = [W]	19,4	26,1	35,3	42,1	50,4
Δt 30 = [W]	13,5	18,1	24,5	28,8	34,5
Pipe Centres [mm]	244				
Water content [lt]	0,37	0,54	0,72	0,90	1,10
Dry Weight [kg]	0,49	0,74	0,99	1,24	1,49
Exp. [n]	1,247	1,273	1,265	1,320	1,322

Height [mm] 400	COLUMNS 2	3	4	5	6
Δt 60 = [W]	41,5	56,9	75,5	92,1	110,9
Δt 50 = [W]	**33,0**	**45,1**	**59,8**	**72,4**	**87,3**
Δt 40 = [W]	24,9	33,8	44,9	53,9	65,1
Δt 30 = [W]	17,3	23,4	31,1	36,8	44,6
Pipe Centres [mm]	344				
Water content [lt]	0,45	0,66	0,88	1,10	1,30
Dry Weight [kg]	0,63	0,95	1,27	1,59	1,92
Exp. [n]	1,261	1,284	1,280	1,323	1,313

Height [mm] 500	COLUMNS 2	3	4	5	6
Δt 60 = [W]	50,6	69,9	91,7	111,7	134,7
Δt 50 = [W]	**40,1**	**55,2**	**72,4**	**87,7**	**106,2**
Δt 40 = [W]	30,2	41,4	54,2	65,3	79,3
Δt 30 = [W]	20,9	28,5	37,3	44,6	54,5
Pipe Centres [mm]	444				
Water content [lt]	0,53	0,79	1,04	1,30	1,60
Dry Weight [kg]	0,77	1,16	1,55	1,95	2,34
Exp. [n]	1,275	1,296	1,296	1,326	1,305

Height [mm] 556	COLUMNS 2	3	4	5	6
Δt 60 = [W]	55,6	77,2	100,6	122,5	147,6
Δt 50 = [W]	**44,0**	**60,9**	**79,3**	**96,2**	**116,5**
Δt 40 = [W]	33,1	45,5	59,3	71,5	87,1
Δt 30 = [W]	22,9	31,3	40,7	48,8	60,0
Pipe Centres [mm]	500				
Water content [lt]	0,58	0,85	1,13	1,41	1,70
Dry Weight [kg]	0,85	1,28	1,71	2,14	2,58
Exp. [n]	1,283	1,302	1,305	1,328	1,300

Height [mm] 586	COLUMNS 2	3	4	5	6
Δt 60 = [W]	58,3	81,0	105,4	128,3	154,5
Δt 50 = [W]	**46,1**	**63,8**	**83,0**	**100,7**	**121,9**
Δt 40 = [W]	34,6	47,7	62,0	74,8	91,3
Δt 30 = [W]	23,9	32,8	42,5	51,1	62,8
Pipe Centres [mm]	530				
Water content [lt]	0,60	0,89	1,18	1,47	1,77
Dry Weight [kg]	0,89	1,34	1,79	2,24	2,70
Exp. [n]	1,287	1,306	1,309	1,329	1,298

Height [mm] 600	COLUMNS 2	3	4	5	6
Δt 60 = [W]	59,6	82,8	107,6	130,9	157,6
Δt 50 = [W]	**47,1**	**65,2**	**84,7**	**102,7**	**124,5**
Δt 40 = [W]	35,3	48,7	63,2	76,4	93,2
Δt 30 = [W]	24,4	33,5	43,4	52,1	64,2
Pipe Centres [mm]	544				
Water content [lt]	0,61	0,91	1,20	1,50	1,80
Dry Weight [kg]	0,91	1,37	1,84	2,30	2,76
Exp. [n]	1,289	1,307	1,312	1,329	1,296

Height [mm] 626	COLUMNS 2	3	4	5	6
Δt 60 = [W]	61,9	86,1	111,7	135,9	163,5
Δt 50 = [W]	**48,9**	**67,8**	**87,9**	**106,6**	**129,1**
Δt 40 = [W]	36,7	50,6	65,5	79,2	96,7
Δt 30 = [W]	25,3	34,7	44,9	54,0	66,7
Pipe Centres [mm]	570				
Water content [lt]	0,63	0,94	1,24	1,55	1,85
Dry Weight [kg]	0,95	1,43	1,91	2,39	2,87
Exp. [n]	1,292	1,310	1,316	1,330	1,294

Height [mm] 656	COLUMNS 2	3	4	5	6
Δt 60 = [W]	64,7	90,0	116,5	141,5	170,2
Δt 50 = [W]	**51,0**	**70,8**	**91,6**	**111,0**	**134,5**
Δt 40 = [W]	38,2	52,8	68,2	82,5	100,8
Δt 30 = [W]	26,3	36,2	46,6	56,3	69,5
Pipe Centres [mm]	600				
Water content [lt]	0,66	0,97	1,29	1,61	1,90
Dry Weight [kg]	0,99	1,49	1,99	2,50	3,00
Exp. [n]	1,297	1,314	1,320	1,331	1,292

Height [mm] 676	COLUMNS 2	3	4	5	6
Δt 60 = [W]	66,5	92,5	119,6	145,3	174,6
Δt 50 = [W]	**52,4**	**72,8**	**94,0**	**114,0**	**138,0**
Δt 40 = [W]	39,2	54,3	70,0	84,7	103,5
Δt 30 = [W]	27,0	37,2	47,8	57,7	71,4
Pipe Centres [mm]	620				
Water content [lt]	0,67	1,00	1,32	1,65	2,00
Dry Weight [kg]	1,02	1,53	2,05	2,57	3,09
Exp. [n]	1,299	1,316	1,324	1,332	1,290

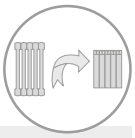
Height [mm] 750	COLUMNS 2	3	4	5	6
Δt 60 = [W]	73,2	101,9	131,3	159,2	190,7
Δt 50 = [W]	**57,6**	**80,0**	**102,9**	**124,8**	**150,9**
Δt 40 = [W]	43,0	59,6	76,4	92,7	113,3
Δt 30 = [W]	29,5	40,7	52,0	63,1	78,3
Pipe Centres [mm]	694				
Water content [lt]	0,73	1,09	1,44	1,80	2,20
Dry Weight [kg]	1,12	1,69	2,26	2,83	3,40
Exp. [n]	1,310	1,325	1,335	1,334	1,284

Height [mm] 756	COLUMNS 2	3	4	5	6
Δt 60 = [W]	73,7	102,7	132,2	160,3	192,0
Δt 50 = [W]	**58,0**	**80,6**	**103,6**	**125,7**	**152,0**
Δt 40 = [W]	43,3	60,0	76,9	93,3	114,1
Δt 30 = [W]	29,7	41,0	52,4	63,6	78,9
Pipe Centres [mm]	700				
Water content [lt]	0,74	1,09	1,45	1,81	2,20
Dry Weight [kg]	1,13	1,70	2,28	2,85	3,42
Exp. [n]	1,311	1,325	1,336	1,335	1,283

Height [mm] 786	COLUMNS 2	3	4	5	6
Δt 60 = [W]	76,4	106,5	136,9	165,9	198,4
Δt 50 = [W]	**60,1**	**83,6**	**107,2**	**130,0**	**157,1**
Δt 40 = [W]	44,9	62,1	79,5	96,5	118,1
Δt 30 = [W]	30,7	42,4	54,1	65,7	81,7
Pipe Centres [mm]	730				
Water content [lt]	0,76	1,13	1,50	1,87	2,25
Dry Weight [kg]	1,18	1,77	2,37	2,97	3,56
Exp. [n]	1,315	1,329	1,341	1,335	1,281

Height [mm] 856	COLUMNS 2	3	4	5	6
Δt 60 = [W]	82,8	115,3	147,9	178,8	213,2
Δt 50 = [W]	**65,1**	**90,4**	**115,6**	**140,1**	**169,0**
Δt 40 = [W]	48,4	67,1	85,5	103,9	127,2
Δt 30 = [W]	33,1	45,7	58,0	70,7	88,1
Pipe Centres [mm]	800				
Water content [lt]	0,82	1,21	1,61	2,01	2,40
Dry Weight [kg]	1,27	1,91	2,56	3,20	3,85
Exp. [n]	1,324	1,337	1,352	1,338	1,275

Height [mm] 876	COLUMNS 2	3	4	5	6
Δt 60 = [W]	84,7	117,8	151,0	182,5	217,4
Δt 50 = [W]	**66,5**	**92,3**	**118,0**	**143,0**	**172,4**
Δt 40 = [W]	49,4	68,5	87,2	106,1	129,7
Δt 30 = [W]	33,7	46,6	59,1	72,2	90,0
Pipe Centres [mm]	820				
Water content [lt]	0,83	1,24	1,65	2,05	2,50
Dry Weight [kg]	1,30	1,96	2,61	3,27	3,93
Exp. [n]	1,327	1,339	1,355	1,338	1,273



Height [mm] 900	COLUMNS 2	3	4	5	6
Δt 60 = [W]	86,9	120,9	154,8	186,9	222,4
Δt 50 = [W]	**68,1**	**94,6**	**120,8**	**146,4**	**176,4**
Δt 40 = [W]	50,6	70,2	89,2	108,6	132,8
Δt 30 = [W]	34,5	47,7	60,4	73,9	92,1
Pipe Centres [mm]	844				
Water content [lt]	0,85	1,27	1,68	2,10	2,50
Dry Weight [kg]	1,33	2,01	2,68	3,36	4,03
Exp. [n]	1,331	1,342	1,359	1,339	1,271

Height [mm] 926	COLUMNS 2	3	4	5	6
Δt 60 = [W]	89,2	124,1	158,7	191,7	228,1
Δt 50 = [W]	**70,0**	**97,2**	**123,9**	**150,1**	**180,7**
Δt 40 = [W]	52,0	72,0	91,5	111,3	135,9
Δt 30 = [W]	35,4	48,9	61,9	75,6	94,1
Pipe Centres [mm]	870				
Water content [lt]	0,78	1,26	1,70	2,13	2,56
Dry Weight [kg]	1,29	1,95	2,60	3,26	3,92
Exp. [n]	1,332	1,343	1,358	1,342	1,277

Height [mm] 1000	COLUMNS 2	3	4	5	6
Δt 60 = [W]	95,9	133,3	169,9	205,4	244,2
Δt 50 = [W]	**75,2**	**104,3**	**132,7**	**160,6**	**192,9**
Δt 40 = [W]	55,8	77,3	98,1	118,9	144,4
Δt 30 = [W]	38,0	52,5	66,4	80,7	99,5
Pipe Centres [mm]	944				
Water content [lt]	0,93	1,39	1,84	2,30	2,80
Dry Weight [kg]	1,48	2,22	2,96	3,71	4,46
Exp. [n]	1,335	1,345	1,355	1,348	1,296

Height [mm] 1200	COLUMNS 2	3	4	5	6
Δt 60 = [W]	114,3	157,9	199,7	242,1	287,1
Δt 50 = [W]	**89,5**	**123,5**	**156,2**	**188,8**	**224,7**
Δt 40 = [W]	66,3	91,3	115,6	139,2	166,5
Δt 30 = [W]	45,1	61,9	78,5	93,9	113,1
Pipe Centres [mm]	1144				
Water content [lt]	1,09	1,63	2,17	2,70	3,20
Dry Weight [kg]	1,76	2,64	3,53	4,41	5,30
Exp. [n]	1,343	1,350	1,348	1,366	1,345

Height [mm] 1500	COLUMNS 2	3	4	5	6
Δt 60 = [W]	142,6	194,6	244,3	297,0	349,7
Δt 50 = [W]	**111,4**	**151,9**	**191,4**	**230,4**	**270,0**
Δt 40 = [W]	82,3	112,2	142,0	168,8	196,8
Δt 30 = [W]	55,8	75,9	96,6	113,1	130,8
Pipe Centres [mm]	1444				
Water content [lt]	1,33	1,99	2,65	3,30	4,0
Dry Weight [kg]	2,18	3,28	4,37	5,47	6,57
Exp. [n]	1,355	1,359	1,338	1,393	1,418

Height [mm] 1656	COLUMNS 2	3	4	5	6
Δt 60 = [W]	157,6	213,2	268,0	324,0	378,0
Δt 50 = [W]	**123,1**	**166,7**	**209,7**	**251,9**	**292,5**
Δt 40 = [W]	91,0	123,3	155,3	185,1	213,7
Δt 30 = [W]	61,6	83,6	105,5	124,4	142,6
Pipe Centres [mm]	1600				
Water content [lt]	1,46	2,18	2,90	3,62	4,36
Dry Weight [kg]	2,40	3,61	4,81	6,02	7,23
Exp. [n]	1,355	1,350	1,346	1,381	1,407

Height [mm] 1800	COLUMNS 2	3	4	5	6
Δt 60 = [W]	171,7	230,1	290,1	348,7	403,4
Δt 50 = [W]	**134,1**	**180,2**	**226,6**	**271,6**	**312,7**
Δt 40 = [W]	99,1	133,6	167,6	200,1	229,0
Δt 30 = [W]	67,1	90,8	113,5	134,9	153,2
Pipe Centres [mm]	1744				
Water content [lt]	1,58	2,35	3,13	3,91	4,70
Dry Weight [kg]	2,60	3,91	5,22	6,53	7,84
Exp. [n]	1,355	1,341	1,353	1,370	1,396

Height [mm] 1856	COLUMNS 2	3	4	5	6
Δt 60 = [W]	177,2	236,6	298,7	358,3	413,0
Δt 50 = [W]	**138,4**	**185,5**	**233,3**	**279,3**	**320,4**
Δt 40 = [W]	102,3	137,6	172,3	205,9	234,8
Δt 30 = [W]	69,3	93,6	116,7	139,0	157,3
Pipe Centres [mm]	1800				
Water content [lt]	1,62	2,42	3,22	4,02	4,84
Dry Weight [kg]	2,69	4,04	5,40	6,75	8,11
Exp. [n]	1,355	1,338	1,356	1,366	1,392

Height [mm] 2000	COLUMNS 2	3	4	5	6
Δt 60 = [W]	191,7	253,6	320,9	382,9	437,2
Δt 50 = [W]	**149,8**	**199,0**	**250,3**	**299,0**	**339,8**
Δt 40 = [W]	110,7	147,9	184,6	221,0	249,7
Δt 30 = [W]	75,0	100,9	124,7	149,6	167,8
Pipe Centres [mm]	1944				
Water content [lt]	1,74	2,59	3,45	4,31	5,20
Dry Weight [kg]	2,89	4,33	5,78	7,23	8,69
Exp. [n]	1,355	1,330	1,364	1,356	1,382

Height [mm] 2056	COLUMNS 2	3	4	5	6
Δt 60 = [W]	197,4	260,1	329,6	392,4	446,4
Δt 50 = [W]	**154,2**	**204,3**	**256,9**	**306,7**	**347,2**
Δt 40 = [W]	114,0	151,9	189,4	226,9	255,3
Δt 30 = [W]	77,2	103,7	127,8	153,8	171,8
Pipe Centres [mm]	2000				
Water content [lt]	1,78	2,66	3,54	4,42	5,29
Dry Weight [kg]	2,98	4,47	5,96	7,45	8,95
Exp. [n]	1,355	1,326	1,366	1,351	1,378

Height [mm] 2200	COLUMNS 2	3	4	5	6
Δt 60 = [W]	212,3	276,9	352,1	416,7	469,6
Δt 50 = [W]	**165,9**	**217,8**	**274,1**	**326,4**	**366,0**
Δt 40 = [W]	122,6	162,3	201,7	242,0	269,7
Δt 30 = [W]	83,0	111,1	135,9	164,6	182,0
Pipe Centres [mm]	2144				
Water content [lt]	1,90	2,83	3,77	4,71	5,60
Dry Weight [kg]	3,17	4,76	6,35	7,94	9,53
Exp. [n]	1,355	1,318	1,374	1,341	1,367

Height [mm] 2500	COLUMNS 2	3	4	5	6
Δt 60 = [W]	244,4	311,7	399,6	467,2	515,6
Δt 50 = [W]	**190,9**	**245,9**	**310,2**	**367,4**	**403,4**
Δt 40 = [W]	141,1	184,0	227,5	273,8	298,8
Δt 30 = [W]	95,5	126,6	152,5	187,4	202,9
Pipe Centres [mm]	2444				
Water content [lt]	2,14	3,19	4,25	5,31	6,40
Dry Weight [kg]	3,59	5,39	7,19	9,00	10,80
Exp. [n]	1,355	1,301	1,389	1,318	1,345

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators



MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	46 mm

CERTIFICATES

CE — EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS — NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

HOW TO ORDER ARDESIA® TUBULAR 2 COLUMNS

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF COLUMNS	NR. OF ELEMENTS	HEIGHT	CONNECTION	COLOR	CONSTANT VALUE
AX	2	19	0207	D01	T01	A

EXAMPLE OF ARTICLE CODE

AX 2 19 0207 D01 T01 A

Ardesia® 2 columns - 19 el. - H 207
- Rapid fixing kit AX
- Connection D01
- Color T01

PRICE AND TECHNICAL DATA PER SECTION

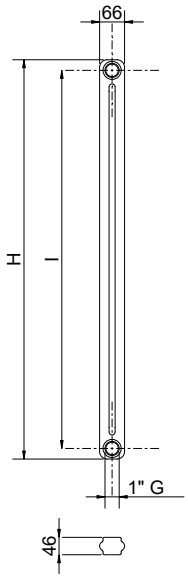
Height H [mm]	207	300	400	500	556	586	600	626	656	676	750	756	786	856
Pipe Centres I [mm]	151	244	344	444	500	530	544	570	600	620	694	700	730	800
(90/70/20°C) ΔT 60 = W	22,2	32,1	41,5	50,6	55,6	58,3	59,6	61,9	64,7	66,5	73,2	73,7	76,4	82,8
(75/65/20°C) ΔT 50 = W	**17,5**	**25,6**	**33**	**40,1**	**44**	**46,1**	**47,1**	**48,9**	**51**	**52,4**	**57,6**	**58**	**60,1**	**65,1**
(55/45/20°C) ΔT 30 = W	9	13,5	17,3	20,9	22,9	23,9	24,4	25,3	26,3	27	29,5	29,7	30,7	33,1
Water content [lt]	0,29	0,37	0,45	0,53	0,58	0,6	0,61	0,63	0,66	0,67	0,73	0,74	0,76	0,82
Dry Weight [kg]	0,35	0,49	0,63	0,77	0,85	0,89	0,91	0,95	0,99	1,02	1,12	1,13	1,18	1,27
Exp. [n]	1,303	1,247	1,261	1,275	1,283	1,287	1,289	1,292	1,297	1,299	1,31	1,311	1,315	1,324
Nominal flow rate [kg/h]	1,5	2,2	2,8	3,4	3,8	4	4,1	4,2	4,4	4,5	5	5	5,2	5,6
Radiation quote [%]	30	25	25	25	25	25	24	25	25	24	24	24	25	24
Surface [m²]	0,03	0,05	0,06	0,08	0,09	0,09	0,09	0,12	0,1	0,11	0,12	0,12	0,1	0,13

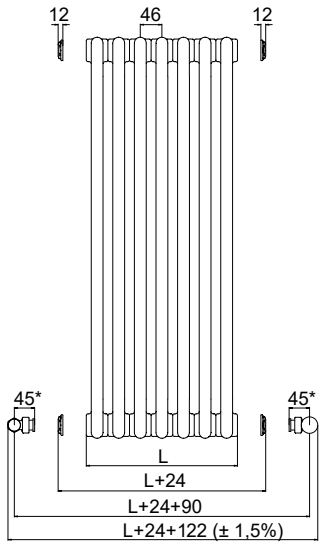
HEIGHTS FOR REPLACEMENT

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators





*Quotes for Kristal valves

Measurements on the drawing are in mm

FIXING

AR
WITHOUT FIXING KIT

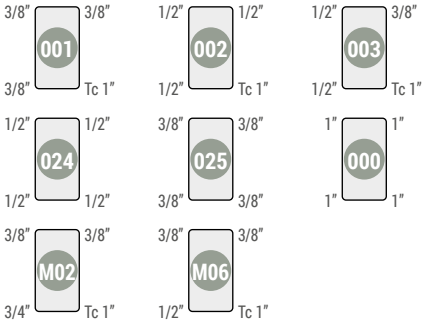
AX
RAPID FIXING KIT



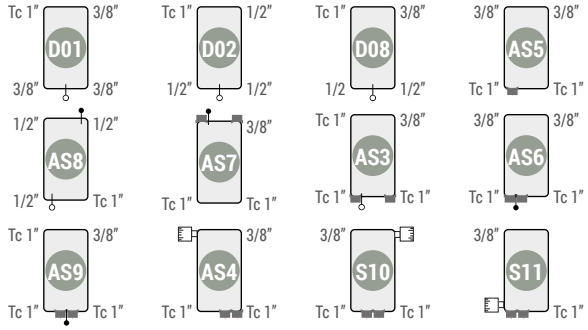
AW
MINIMAL FIXING KIT



CONNECTIONS



Specials



LEGEND
- Movable Diverter
- Tc End cap
- Connection 1/2"
- Welded Diverter
- Thermostatic head

See pages 18 and 19 connection configurations details.

876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500	Height H [mm]
820	844	870	944	1144	1444	1600	1744	1800	1944	2000	2144	2444	Pipe Centres I [mm]
84,7	86,9	89,2	95,9	114,3	142,6	157,6	171,7	177,2	191,7	197,4	212,3	244,4	(90/70/20°C) ΔT 60 = W
66,5	**68,1**	**70**	**75,2**	**89,5**	**111,4**	**123,1**	**134,1**	**138,4**	**149,8**	**154,2**	**165,9**	**190,9**	**(75/65/20°C) ΔT 50 = W**
33,7	34,5	35,4	38	45,1	55,8	61,6	67,1	69,3	75	77,2	83	95,5	(55/45/20°C) ΔT 30 = W
0,83	0,85	0,78	0,93	1,09	1,33	1,46	1,58	1,62	1,74	1,78	1,9	2,14	Water content [lt]
1,3	1,33	1,29	1,48	1,76	2,18	2,4	2,6	2,69	2,89	2,98	3,17	3,59	Dry Weight [kg]
1,327	1,331	1,332	1,335	1,343	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	Exp. [n]
5,7	5,9	6	6,5	7,7	9,6	10,6	11,5	11,9	12,9	13,3	14,3	16,4	Nominal flow rate [kg/h]
24	24	24	24	23	23	23	22	23	22	23	22	22	Radiation quote [%]
0,14	0,14	0,14	0,15	0,18	0,23	0,25	0,28	0,28	0,31	0,31	0,34	0,38	Surface [m²]

SURCHARGE COLORS

- **CLASSIC** COLOR
- **SPECIAL** COLOR

SURCHARGE SPECIAL CONNECTIONS

D01 - D02 - D08
AS5
AS3 - AS6 - AS7 - AS8 - AS9
AS4
S10
S11

SURCHARGE FIXING KIT

- AX **RAPID** FIXING KIT
- AW **MINIMAL** FIXING KIT

ardesia 2 COLUMNS

WARRANTY 5 YEARS

ELEMENTS Width [mm]		HEIGHTS [mm]													
		207	300	400	500	556	586	600	626	656	676	750	756	786	856
3															
138 mm	W	53	77	99	120	132	138	141	147	153	157	173	174	180	195
4															
184 mm	W	70	102	132	160	176	184	188	196	204	210	230	232	240	260
5															
230 mm	W	88	128	165	201	220	231	236	245	255	262	288	290	301	326
6															
276 mm	W	105	154	198	241	264	277	283	293	306	314	346	348	361	391
7															
322 mm	W	123	179	231	281	308	323	330	342	357	367	403	406	421	456
8															
368 mm	W	140	205	264	321	352	369	377	391	408	419	461	464	481	521
9															
414 mm	W	158	230	297	361	396	415	424	440	459	472	518	522	541	586
10															
460 mm	W	175	256	330	401	440	461	471	489	510	524	576	580	601	651
11															
506 mm	W	193	282	363	441	484	507	518	538	561	576	634	638	661	716
12															
552 mm	W	210	307	396	481	528	553	565	587	612	629	691	696	721	781
13															
598 mm	W	228	333	429	521	572	599	612	636	663	681	749	754	781	846
14															
644 mm	W	245	358	462	561	616	645	659	685	714	734	806	812	841	911
15															
690 mm	W	263	384	495	602	660	692	707	734	765	786	864	870	902	977
16															
736 mm	W	280	410	528	642	704	738	754	782	816	838	922	928	962	1042
17															
782 mm	W	298	435	561	682	748	784	801	831	867	891	979	986	1022	1107
18															
828 mm	W	315	461	594	722	792	830	848	880	918	943	1037	1044	1082	1172
19															
874 mm	W	333	486	627	762	836	876	895	929	969	996	1094	1102	1142	1237
20															
920 mm	W	350	512	660	802	880	922	942	978	1020	1048	1152	1160	1202	1302
21															
966 mm	W	368	538	693	842	924	968	989	1027	1071	1100	1210	1218	1262	1367
22															
1012 mm	W	385	563	726	882	968	1014	1036	1076	1122	1153	1267	1276	1322	1432
23															
1058 mm	W	403	589	759	922	1012	1060	1083	1125	1173	1205	1325	1334	1382	1497
24															
1104 mm	W	420	614	792	962	1056	1106	1130	1174	1224	1258	1382	1392	1442	1562
25															
1150 mm	W	438	640	825	1003	1100	1153	1178	1223	1275	1310	1440	1450	1503	1628
26															
1196 mm	W	455	666	858	1043	1144	1199	1225	1271	1326	1362	1498	1508	1563	1693
27															
1242 mm	W	473	691	891	1083	1188	1245	1272	1320	1377	1415	1555	1566	1623	1758
28															
1288 mm	W	490	717	924	1123	1232	1291	1319	1369	1428	1467	1613	1624	1683	1823
29															
1344 mm	W	508	742	957	1163	1276	1337	1366	1418	1479	1520	1670	1682	1743	1888
30															
1380 mm	W	525	768	990	1203	1320	1383	1413	1467	1530	1572	1728	1740	1803	1953
31															
1426 mm	W	543	794	1023	1243	1364	1429	1460	1516	1581	1624	1786	1798	1863	2018
32															
1472 mm	W	560	819	1056	1283	1408	1475	1507	1565	1632	1677	1843	1856	1923	2083
33															
1518 mm	W	578	845	1089	1323	1452	1521	1554	1614	1683	1729	1901	1914	1983	2148
34															
1564 mm	W	595	870	1122	1363	1496	1567	1601	1663	1734	1782	1958	1972	2043	2213
35															
1610 mm	W	613	896	1155	1404	1540	1614	1649	1712	1785	1834	2016	2030	2104	2279
36															
1656 mm	W	630	922	1188	1444	1584	1660	1696	1760	1836	1886	2074	2088	2164	2344
37															
1702 mm	W	648	947	1221	1484	1628	1706	1743	1809	1887	1939	2131	2146	2224	2409
38															
1748 mm	W	665	973	1254	1524	1672	1752	1790	1858	1938	1991	2189	2204	2284	2474
39															
1794 mm	W	683	998	1287	1564	1716	1798	1837	1907	1989	2044	2246	2262	2344	2539
40															
1840 mm	W	700	1024	1320	1604	1760	1844	1884	1956	2040	2096	2304	2320	2404	2604

ardesia® 2 COLUMNS

ELEMENTS Width [mm]		HEIGHTS [mm] 876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500
3														
138 mm	W	200	204	200	226	269	334	369	402	415	449	463	498	573
4														
184 mm	W	266	272	266	301	358	446	492	536	554	599	617	664	764
5														
230 mm	W	333	341	333	376	448	557	616	671	692	749	771	830	955
6														
276 mm	W	399	409	399	451	537	668	739	805	830	899	925	995	1145
7														
322 mm	W	466	477	466	526	627	780	862	939	969	1049	1079	1161	1336
8														
368 mm	W	532	545	532	602	716	891	985	1073	1107	1198	1234	1327	1527
9														
414 mm	W	599	613	599	677	806	1003	1108	1207	1246	1348	1388	1493	1718
10														
460 mm	W	665	681	665	752	895	1114	1231	1341	1384	1498	1542	1659	1909
11														
506 mm	W	732	749	732	827	985	1225	1354	1475	1522	1648	1696	1825	2100
12														
552 mm	W	798	817	798	902	1074	1337	1477	1609	1661	1798	1850	1991	2291
13														
598 mm	W	865	885	865	978	1164	1448	1600	1743	1799	1947	2005	2157	2482
14														
644 mm	W	931	953	931	1053	1253	1560	1723	1877	1938	2097	2159	2323	2673
15														
690 mm	W	998	1022	998	1128	1343	1671	1847	2012	2076	2247	2313	2489	2864
16														
736 mm	W	1064	1090	1064	1203	1432	1782	1970	2146	2214	2397	2467	2654	3054
17														
782 mm	W	1131	1158	1131	1278	1522	1894	2093	2280	2353	2547	2621	2820	3245
18														
828 mm	W	1197	1226	1197	1354	1611	2005	2216	2414	2491	2696	2776	2986	3436
19														
874 mm	W	1264	1294	1264	1429	1701	2117	2339	2548	2630	2846	2930	3152	3627
20														
920 mm	W	1330	1362	1330	1504	1790	2228	2462	2682	2768	2996	3084	3318	3818
21														
966 mm	W	1397	1430	1397	1579	1880	2339	2585	2816	2906	3146	3238	3484	4009
22														
1012 mm	W	1463	1498	1463	1654	1969	2451	2708	2950	3045	3296	3392	3650	4200
23														
1058 mm	W	1530	1566	1530	1730	2059	2562	2831	3084	3183	3445	3547	3816	4391
24														
1104 mm	W	1596	1634	1596	1805	2148	2674	2954	3218	3322	3595	3701	3982	4582
25														
1150 mm	W	1663	1703	1663	1880	2238	2785	3078	3353	3460	3745	3855	4148	4773
26														
1196 mm	W	1729	1771	1729	1955	2327	2896	3201	3487	3598	3895	4009	4313	4963
27														
1242 mm	W	1796	1839	1796	2030	2417	3008	3324	3621	3737	4045	4163	4479	5154
28														
1288 mm	W	1862	1907	1862	2106	2506	3119	3447	3755	3875	4194	4318	4645	5345
29														
1344 mm	W	1929	1975	1929	2181	2596	3231	3570	3889	4014	4344	4472	4811	5536
30														
1380 mm	W	1995	2043	1995	2256	2685	3342	3693	4023	4152	4494	4626	4977	5727
31														
1426 mm	W	2062	2111	2062	2331	2775	3453	3816	4157	4290	4644	4780	5143	5918
32														
1472 mm	W	2128	2179	2128	2406	2864	3565	3939	4291	4429	4794	4934	5309	6109
33														
1518 mm	W	2195	2247	2195	2482	2954	3676	4062	4425	4567	4943	5089	5475	6300
34														
1564 mm	W	2261	2315	2261	2557	3043	3788	4185	4559	4706	5093	5243	5641	6491
35														
1610 mm	W	2328	2384	2328	2632	3133	3899	4309	4694	4844	5243	5397	5807	6682
36														
1656 mm	W	2394	2452	2394	2707	3222	4010	4432	4828	4982	5393	5551	5972	6872
37														
1702 mm	W	2461	2520	2461	2782	3312	4122	4555	4962	5121	5543	5705	6138	7063
38														
1748 mm	W	2527	2588	2527	2858	3401	4233	4678	5096	5259	5692	5860	6304	7254
39														
1794 mm	W	2594	2656	2594	2933	3491	4345	4801	5230	5398	5842	6014	6470	7445
40														
1840 mm	W	2660	2724	2660	3008	3580	4456	4924	5364	5536	5992	6168	6636	7636

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 345.

Pipe Centres for replacing **LAMELLAR and PANEL** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **CAST IRON** radiators


Color: RAL 3003 - R08 Ruby red

MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
☑ Hot water	110 °C	18
☑ Electric (see page 110)		

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	46 mm

CERTIFICATES

CE — EURONORM EN 442-1 RADIATORS AND CONVECTORS — NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

HOW TO ORDER ARDESIA® TUBULAR 3 COLUMNS

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF ELEMENTS		CONNECTION		CONSTANT VALUE
AX	3	20	1800	D01	R08	A
	NR. OF COLUMNS		HEIGHT		COLOR	

EXAMPLE OF ARTICLE CODE

AX 3 20 1800 D01 R08 A

Ardesia® 3 columns - 20 el. - H 1800
- Rapid fixing kit AX
- Connection D01
- Color R08

PRICE AND TECHNICAL DATA PER SECTION

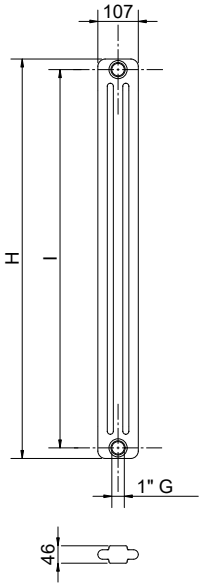
Height H [mm]	207	300	400	500	556	586	600	626	656	676	750	756	786	856
Pipe Centres I [mm]	151	244	344	444	500	530	544	570	600	620	694	700	730	800
(90/70/20°C) ΔT 60 = W	31,5	43,7	56,9	69,9	77,2	81	82,8	86,1	90	92,5	101,9	102,7	106,5	115,3
(75/65/20°C) ΔT 50 = W	**24,8**	**34,7**	**45,1**	**55,2**	**60,9**	**63,8**	**65,2**	**67,8**	**70,8**	**72,8**	**80**	**80,6**	**83,6**	**90,4**
(55/45/20°C) ΔT 30 = W	12,7	18,1	23,4	28,5	31,3	32,8	33,5	34,7	36,2	37,2	40,7	41	42,4	45,7
Water content [lt]	0,42	0,54	0,66	0,79	0,85	0,89	0,91	0,94	0,97	1	1,09	1,09	1,13	1,21
Dry Weight [kg]	0,53	0,74	0,95	1,16	1,28	1,34	1,37	1,43	1,49	1,53	1,69	1,7	1,77	1,91
Exp. [n]	1,314	1,273	1,284	1,296	1,302	1,306	1,307	1,31	1,314	1,316	1,325	1,325	1,329	1,337
Nominal flow rate [kg/h]	2,1	3	3,9	4,7	5,2	5,5	5,6	5,8	6,1	6,3	6,9	6,9	7,2	7,8
Radiation quote [%]	23	23	23	22	22	22	22	22	22	22	21	22	22	22
Surface [m²]	0,05	0,07	0,1	0,12	0,13	0,14	0,14	0,15	0,15	0,16	0,18	0,18	0,18	0,2

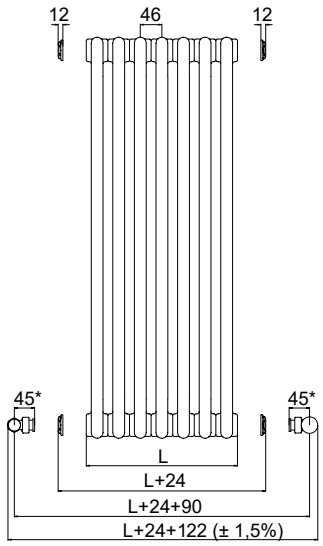
HEIGHTS FOR REPLACEMENT

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators





*Quotes for Kristal valves

Measurements on the drawing are in mm

FIXING

AR — WITHOUT FIXING KIT

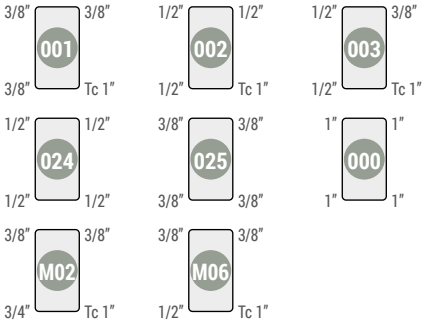
AX — RAPID FIXING KIT



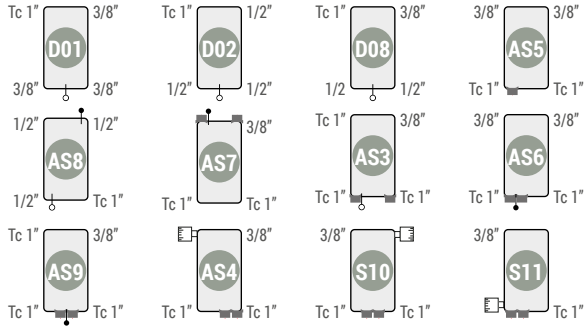
AW — MINIMAL FIXING KIT



CONNECTIONS



Specials



LEGEND

- Movable Diverter
- Tc End cap
- Connection 1/2"
- Welded Diverter
- Thermostatic head

See pages 18 and 19 connection configurations details.

876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500	Height H [mm]
820	844	870	944	1144	1444	1600	1744	1800	1944	2000	2144	2444	Pipe Centres I [mm]
117,8	120,9	124,1	133,3	157,9	194,6	213,2	230,1	236,6	253,6	260,1	276,9	311,7	(90/70/20°C) ΔT 60 = W
92,3	**94,6**	**97,2**	**104,3**	**123,5**	**151,9**	**166,7**	**180,2**	**185,5**	**199**	**204,3**	**217,8**	**245,9**	**(75/65/20°C) ΔT 50 = W**
46,6	47,7	48,9	52,5	61,9	75,9	83,6	90,8	93,6	100,9	103,7	111,1	126,6	(55/45/20°C) ΔT 30 = W
1,24	1,27	1,26	1,39	1,63	1,99	2,18	2,35	2,42	2,59	2,66	2,83	3,19	Water content [lt]
1,96	2,01	1,95	2,22	2,64	3,28	3,61	3,91	4,04	4,33	4,47	4,76	5,39	Dry Weight [kg]
1,339	1,342	1,343	1,345	1,35	1,359	1,35	1,341	1,338	1,33	1,326	1,318	1,301	Exp. [n]
7,9	8,1	8,4	9	10,6	13,1	14,3	15,5	16	17,1	17,6	18,7	21,1	Nominal flow rate [kg/h]
22	21	21	21	21	20	20	20	19	19	19	19	18	Radiation quote [%]
0,2	0,21	0,22	0,23	0,28	0,35	0,38	0,41	0,43	0,46	0,47	0,5	0,57	Surface [m²]

SURCHARGE COLORS

- **CLASSIC** COLOR
- **SPECIAL** COLOR

SURCHARGE SPECIAL CONNECTIONS

D01 - D02 - D08
AS5
AS3 - AS6 - AS7 - AS8 - AS9
AS4
S10
S11

SURCHARGE FIXING KIT

- AX **RAPID** FIXING KIT
- AW **MINIMAL** FIXING KIT

ardesia 3 COLUMNS

WARRANTY 5 YEARS

ELEMENTS Width [mm]		HEIGHTS [mm]													
		207	300	400	500	556	586	600	626	656	676	750	756	786	856
3															
138 mm	W	74	104	135	166	183	191	196	203	212	218	240	242	251	271
4															
184 mm	W	99	139	180	221	244	255	261	271	283	291	320	322	334	362
5															
230 mm	W	124	174	226	276	305	319	326	339	354	364	400	403	418	452
6															
276 mm	W	149	208	271	331	365	383	391	407	425	437	480	484	502	542
7															
322 mm	W	174	243	316	386	426	447	456	475	496	510	560	564	585	633
8															
368 mm	W	198	278	361	442	487	510	522	542	566	582	640	645	669	723
9															
414 mm	W	223	312	406	497	548	574	587	610	637	655	720	725	752	814
10															
460 mm	W	248	347	451	552	609	638	652	678	708	728	800	806	836	904
11															
506 mm	W	273	382	496	607	670	702	717	746	779	801	880	887	920	994
12															
552 mm	W	298	416	541	662	731	766	782	814	850	874	960	967	1003	1085
13															
598 mm	W	322	451	586	718	792	829	848	881	920	946	1040	1048	1087	1175
14															
644 mm	W	347	486	631	773	853	893	913	949	991	1019	1120	1128	1170	1266
15															
690 mm	W	372	521	677	828	914	957	978	1017	1062	1092	1200	1209	1254	1356
16															
736 mm	W	397	555	722	883	974	1021	1043	1085	1133	1165	1280	1290	1338	1446
17															
782 mm	W	422	590	767	938	1035	1085	1108	1153	1204	1238	1360	1370	1421	1537
18															
828 mm	W	446	625	812	994	1096	1148	1174	1220	1274	1310	1440	1451	1505	1627
19															
874 mm	W	471	659	857	1049	1157	1212	1239	1288	1345	1383	1520	1531	1588	1718
20															
920 mm	W	496	694	902	1104	1218	1276	1304	1356	1416	1456	1600	1612	1672	1808
21															
966 mm	W	521	729	947	1159	1279	1340	1369	1424	1487	1529	1680	1693	1756	1898
22															
1012 mm	W	546	763	992	1214	1340	1404	1434	1492	1558	1602	1760	1773	1839	1989
23															
1058 mm	W	570	798	1037	1270	1401	1467	1500	1559	1628	1674	1840	1854	1923	2079
24															
1104 mm	W	595	833	1082	1325	1462	1531	1565	1627	1699	1747	1920	1934	2006	2170
25															
1150 mm	W	620	868	1128	1380	1523	1595	1630	1695	1770	1820	2000	2015	2090	2260
26															
1196 mm	W	645	902	1173	1435	1583	1659	1695	1763	1841	1893	2080	2096	2174	2350
27															
1242 mm	W	670	937	1218	1490	1644	1723	1760	1831	1912	1966	2160	2176	2257	2441
28															
1288 mm	W	694	972	1263	1546	1705	1786	1826	1898	1982	2038	2240	2257	2341	2531
29															
1344 mm	W	719	1006	1308	1601	1766	1850	1891	1966	2053	2111	2320	2337	2424	2622
30															
1380 mm	W	744	1041	1353	1656	1827	1914	1956	2034	2124	2184	2400	2418	2508	2712
31															
1426 mm	W	769	1076	1398	1711	1888	1978	2021	2102	2195	2257	2480	2499	2592	2802
32															
1472 mm	W	794	1110	1443	1766	1949	2042	2086	2170	2266	2330	2560	2579	2675	2893
33															
1518 mm	W	818	1145	1488	1822	2010	2105	2152	2237	2336	2402	2640	2660	2759	2983
34															
1564 mm	W	843	1180	1533	1877	2071	2169	2217	2305	2407	2475	2720	2740	2842	3074
35															
1610 mm	W	868	1215	1579	1932	2132	2233	2282	2373	2478	2548	2800	2821	2926	3164
36															
1656 mm	W	893	1249	1624	1987	2192	2297	2347	2441	2549	2621	2880	2902	3010	3254
37															
1702 mm	W	918	1284	1669	2042	2253	2361	2412	2509	2620	2694	2960	2982	3093	3345
38															
1748 mm	W	942	1319	1714	2098	2314	2424	2478	2576	2690	2766	3040	3063	3177	3435
39															
1794 mm	W	967	1353	1759	2153	2375	2488	2543	2644	2761	2839	3120	3143	3260	3526
40															
1840 mm	W	992	1388	1804	2208	2436	2552	2608	2712	2832	2912	3200	3224	3344	3616

ardesia® 3 COLUMNS

ELEMENTS Width [mm]		HEIGHTS [mm] 876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500
3														
138 mm	W	277	284	292	313	371	456	500	541	557	597	613	653	738
4														
184 mm	W	369	378	389	417	494	608	667	721	742	796	817	871	984
5														
230 mm	W	462	473	486	522	618	760	834	901	928	995	1022	1089	1230
6														
276 mm	W	554	568	583	626	741	911	1000	1081	1113	1194	1226	1307	1475
7														
322 mm	W	646	662	680	730	865	1063	1167	1261	1299	1393	1430	1525	1721
8														
368 mm	W	738	757	778	834	988	1215	1334	1442	1484	1592	1634	1742	1967
9														
414 mm	W	831	851	875	939	1112	1367	1500	1622	1670	1791	1839	1960	2213
10														
460 mm	W	923	946	972	1043	1235	1519	1667	1802	1855	1990	2043	2178	2459
11														
506 mm	W	1015	1041	1069	1147	1359	1671	1834	1982	2041	2189	2247	2396	2705
12														
552 mm	W	1108	1135	1166	1252	1482	1823	2000	2162	2226	2388	2452	2614	2951
13														
598 mm	W	1200	1230	1264	1356	1606	1975	2167	2343	2412	2587	2656	2831	3197
14														
644 mm	W	1292	1324	1361	1460	1729	2127	2334	2523	2597	2786	2860	3049	3443
15														
690 mm	W	1385	1419	1458	1565	1853	2279	2501	2703	2783	2985	3065	3267	3689
16														
736 mm	W	1477	1514	1555	1669	1976	2430	2667	2883	2968	3184	3269	3485	3934
17														
782 mm	W	1569	1608	1652	1773	2100	2582	2834	3063	3154	3383	3473	3703	4180
18														
828 mm	W	1661	1703	1750	1877	2223	2734	3001	3244	3339	3582	3677	3920	4426
19														
874 mm	W	1754	1797	1847	1982	2347	2886	3167	3424	3525	3781	3882	4138	4672
20														
920 mm	W	1846	1892	1944	2086	2470	3038	3334	3604	3710	3980	4086	4356	4918
21														
966 mm	W	1938	1987	2041	2190	2594	3190	3501	3784	3896	4179	4290	4574	5164
22														
1012 mm	W	2031	2081	2138	2295	2717	3342	3667	3964	4081	4378	4495	4792	5410
23														
1058 mm	W	2123	2176	2236	2399	2841	3494	3834	4145	4267	4577	4699	5009	5656
24														
1104 mm	W	2215	2270	2333	2503	2964	3646	4001	4325	4452	4776	4903	5227	5902
25														
1150 mm	W	2308	2365	2430	2608	3088	3798	4168	4505	4638	4975	5108	5445	6148
26														
1196 mm	W	2400	2460	2527	2712	3211	3949	4334	4685	4823	5174	5312	5663	6393
27														
1242 mm	W	2492	2554	2624	2816	3335	4101	4501	4865	5009	5373	5516	5881	6639
28														
1288 mm	W	2584	2649	2722	2920	3458	4253	4668	5046	5194	5572	5720	6098	6885
29														
1344 mm	W	2677	2743	2819	3025	3582	4405	4834	5226	5380	5771	5925	6316	7131
30														
1380 mm	W	2769	2838	2916	3129	3705	4557	5001	5406	5565	5970	6129	6534	7377
31														
1426 mm	W	2861	2933	3013	3233	3829	4709	5168	5586	5751	6169	6333	6752	7623
32														
1472 mm	W	2954	3027	3110	3338	3952	4861	5334	5766	5936	6368	6538	6970	7869
33														
1518 mm	W	3046	3122	3208	3442	4076	5013	5501	5947	6122	6567	6742	7187	8115
34														
1564 mm	W	3138	3216	3305	3546	4199	5165	5668	6127	6307	6766	6946	7405	8361
35														
1610 mm	W	3231	3311	3402	3651	4323	5317	5835	6307	6493	6965	7151	7623	8607
36														
1656 mm	W	3323	3406	3499	3755	4446	5468	6001	6487	6678	7164	7355	7841	8852
37														
1702 mm	W	3415	3500	3596	3859	4570	5620	6168	6667	6864	7363	7559	8059	9098
38														
1748 mm	W	3507	3595	3694	3963	4693	5772	6335	6848	7049	7562	7763	8276	9344
39														
1794 mm	W	3600	3689	3791	4068	4817	5924	6501	7028	7235	7761	7968	8494	9590
40														
1840 mm	W	3692	3784	3888	4172	4940	6076	6668	7208	7420	7960	8172	8712	9836

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 345.

Pipe Centres for replacing **LAMELLAR and PANEL** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **CAST IRON** radiators



MATERIAL:
• Moulded heads in mild steel.
• Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	46 mm

CERTIFICATES

CE — EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS — NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

HOW TO ORDER ARDESIA® TUBULAR 4 COLUMNS

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF COLUMNS	NR. OF ELEMENTS	HEIGHT	CONNECTION	COLOR	CONSTANT VALUE
AX	4	19	0207	D01	F30	A

EXAMPLE OF ARTICLE CODE

AX 4 19 0207 D01 F30 A

Ardesia® 4 columns - 19 el. - H 207
- Rapid fixing kit AX
- Connection D01
- Color F30

PRICE AND TECHNICAL DATA PER SECTION

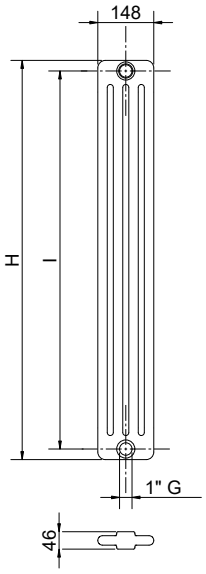
Height H [mm]	207	300	400	500	556	586	600	626	656	676	750	756	786	856
Pipe Centres I [mm]	151	244	344	444	500	530	544	570	600	620	694	700	730	800
(90/70/20°C) ΔT 60 = W	40,7	58,9	75,5	91,7	100,6	105,4	107,6	111,7	116,5	119,6	131,3	132,2	136,9	147,9
(75/65/20°C) ΔT 50 = W	**32**	**46,8**	**59,8**	**72,4**	**79,3**	**83**	**84,7**	**87,9**	**91,6**	**94**	**102,9**	**103,6**	**107,2**	**115,6**
(55/45/20°C) ΔT 30 = W	16,3	24,5	31,1	37,3	40,7	42,5	43,4	44,9	46,6	47,8	52	52,4	54,1	58
Water content [lt]	0,56	0,72	0,88	1,04	1,13	1,18	1,2	1,24	1,29	1,32	1,44	1,45	1,5	1,61
Dry Weight [kg]	0,71	0,99	1,27	1,55	1,71	1,79	1,84	1,91	1,99	2,05	2,26	2,28	2,37	2,56
Exp. [n]	1,317	1,265	1,28	1,296	1,305	1,309	1,312	1,316	1,32	1,324	1,335	1,336	1,341	1,352
Nominal flow rate [kg/h]	2,8	4	5,1	6,2	6,8	7,1	7,3	7,6	7,9	8,1	8,8	8,9	9,2	9,9
Radiation quote [%]	20	20	19	19	19	19	19	19	19	19	19	19	19	19
Surface [m²]	0,07	0,1	0,13	0,16	0,18	0,19	0,19	0,2	0,21	0,21	0,23	0,24	0,25	0,27

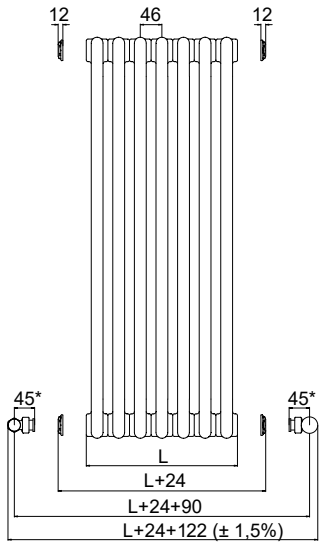
HEIGHTS FOR REPLACEMENT

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators





*Quotes for Kristal valves

Measurements on the drawing are in mm

FIXING

AR — WITHOUT FIXING KIT

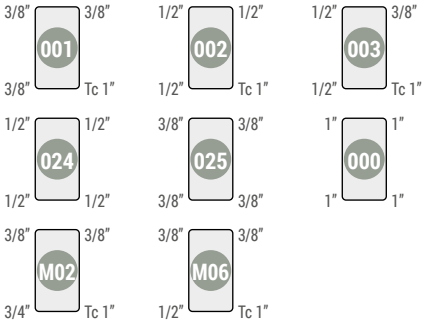
AX — RAPID FIXING KIT



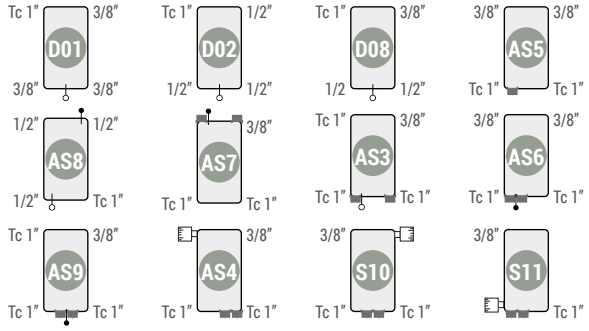
AW — MINIMAL FIXING KIT



CONNECTIONS



Specials



LEGEND

- Movable Diverter
- Tc — End cap
- Connection 1/2"
- Welded Diverter
- Thermostatic head

See pages 18 and 19 connection configurations details.

876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500	Height H [mm]
820	844	870	944	1144	1444	1600	1744	1800	1944	2000	2144	2444	Pipe Centres I [mm]
151	154,8	158,7	169,9	199,7	244,3	268	290,1	298,7	320,9	329,6	352,1	399,6	(90/70/20°C) ΔT 60 = W
118	**120,8**	**123,9**	**132,7**	**156,2**	**191,4**	**209,7**	**226,6**	**233,3**	**250,3**	**256,9**	**274,1**	**310,2**	**(75/65/20°C) ΔT 50 = W**
59,1	60,4	61,9	66,4	78,5	96,6	105,5	113,5	116,7	124,7	127,8	135,9	152,5	(55/45/20°C) ΔT 30 = W
1,65	1,68	1,7	1,84	2,17	2,65	2,9	3,13	3,22	3,45	3,54	3,77	4,25	Water content [lt]
2,61	2,68	2,6	2,96	3,53	4,37	4,81	5,22	5,4	5,78	5,96	6,35	7,19	Dry Weight [kg]
1,355	1,359	1,358	1,355	1,348	1,338	1,346	1,353	1,356	1,364	1,366	1,374	1,389	Exp. [n]
10,1	10,4	10,7	11,4	13,4	16,5	18	19,5	20,1	21,5	22,1	23,6	26,7	Nominal flow rate [kg/h]
19	18	18	18	18	17	17	17	16	16	16	16	15	Radiation quote [%]
0,27	0,28	0,29	0,31	0,37	0,46	0,51	0,55	0,57	0,61	0,63	0,67	0,76	Surface [m²]

SURCHARGE COLORS

- **CLASSIC** COLOR
- **SPECIAL** COLOR

SURCHARGE SPECIAL CONNECTIONS

D01 - D02 - D08 | AS4
AS5 | S10
AS3 - AS6 - AS7 - AS8 - AS9 | S11

SURCHARGE FIXING KIT

- AX **RAPID** FIXING KIT
- AW **MINIMAL** FIXING KIT

ELEMENTS Width [mm]		HEIGHTS [mm]													
		207	300	400	500	556	586	600	626	656	676	750	756	786	856
3															
138 mm	W	96	140	179	217	238	249	254	264	275	282	309	311	322	347
4															
184 mm	W	128	187	239	290	317	332	339	352	366	376	412	414	429	462
5															
230 mm	W	160	234	299	362	397	415	424	440	458	470	515	518	536	578
6															
276 mm	W	192	281	359	434	476	498	508	527	550	564	617	622	643	694
7															
322 mm	W	224	328	419	507	555	581	593	615	641	658	720	725	750	809
8															
368 mm	W	256	374	478	579	634	664	678	703	733	752	823	829	858	925
9															
414 mm	W	288	421	538	652	714	747	762	791	824	846	926	932	965	1040
10															
460 mm	W	320	468	598	724	793	830	847	879	916	940	1029	1036	1072	1156
11															
506 mm	W	352	515	658	796	872	913	932	967	1008	1034	1132	1140	1179	1272
12															
552 mm	W	384	562	718	869	952	996	1016	1055	1099	1128	1235	1243	1286	1387
13															
598 mm	W	416	608	777	941	1031	1079	1101	1143	1191	1222	1338	1347	1394	1503
14															
644 mm	W	448	655	837	1014	1110	1162	1186	1231	1282	1316	1441	1450	1501	1618
15															
690 mm	W	480	702	897	1086	1190	1245	1271	1319	1374	1410	1544	1554	1608	1734
16															
736 mm	W	512	749	957	1158	1269	1328	1355	1406	1466	1504	1646	1658	1715	1850
17															
782 mm	W	544	796	1017	1231	1348	1411	1440	1494	1557	1598	1749	1761	1822	1965
18															
828 mm	W	576	842	1076	1303	1427	1494	1525	1582	1649	1692	1852	1865	1930	2081
19															
874 mm	W	608	889	1136	1376	1507	1577	1609	1670	1740	1786	1955	1968	2037	2196
20															
920 mm	W	640	936	1196	1448	1586	1660	1694	1758	1832	1880	2058	2072	2144	2312
21															
966 mm	W	672	983	1256	1520	1665	1743	1779	1846	1924	1974	2161	2176	2251	2428
22															
1012 mm	W	704	1030	1316	1593	1745	1826	1863	1934	2015	2068	2264	2279	2358	2543
23															
1058 mm	W	736	1076	1375	1665	1824	1909	1948	2022	2107	2162	2367	2383	2466	2659
24															
1104 mm	W	768	1123	1435	1738	1903	1992	2033	2110	2198	2256	2470	2486	2573	2774
25															
1150 mm	W	800	1170	1495	1810	1983	2075	2118	2198	2290	2350	2573	2590	2680	2890
26															
1196 mm	W	832	1217	1555	1882	2062	2158	2202	2285	2382	2444	2675	2694	2787	3006
27															
1242 mm	W	864	1264	1615	1955	2141	2241	2287	2373	2473	2538	2778	2797	2894	3121
28															
1288 mm	W	896	1310	1674	2027	2220	2324	2372	2461	2565	2632	2881	2901	3002	3237
29															
1344 mm	W	928	1357	1734	2100	2300	2407	2456	2549	2656	2726	2984	3004	3109	3352
30															
1380 mm	W	960	1404	1794	2172	2379	2490	2541	2637	2748	2820	3087	3108	3216	3468
31															
1426 mm	W	992	1451	1854	2244	2458	2573	2626	2725	2840	2914	3190	3212	3323	3584
32															
1472 mm	W	1024	1498	1914	2317	2538	2656	2710	2813	2931	3008	3293	3315	3430	3699
33															
1518 mm	W	1056	1544	1973	2389	2617	2739	2795	2901	3023	3102	3396	3419	3538	3815
34															
1564 mm	W	1088	1591	2033	2462	2696	2822	2880	2989	3114	3196	3499	3522	3645	3930
35															
1610 mm	W	1120	1638	2093	2534	2776	2905	2965	3077	3206	3290	3602	3626	3752	4046
36															
1656 mm	W	1152	1685	2153	2606	2855	2988	3049	3164	3298	3384	3704	3730	3859	4162
37															
1702 mm	W	1184	1732	2213	2679	2934	3071	3134	3252	3389	3478	3807	3833	3966	4277
38															
1748 mm	W	1216	1778	2272	2751	3013	3154	3219	3340	3481	3572	3910	3937	4074	4393
39															
1794 mm	W	1248	1825	2332	2824	3093	3237	3303	3428	3572	3666	4013	4040	4181	4508
40															
1840 mm	W	1280	1872	2392	2896	3172	3320	3388	3516	3664	3760	4116	4144	4288	4624

ardesia® 4 COLUMNS

ELEMENTS Width [mm]		HEIGHTS [mm] 876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500
3														
138 mm	W	354	362	372	398	469	574	629	680	700	751	771	822	931
4														
184 mm	W	472	483	496	531	625	766	839	906	933	1001	1028	1096	1241
5														
230 mm	W	590	604	620	664	781	957	1049	1133	1167	1252	1285	1371	1551
6														
276 mm	W	708	725	743	796	937	1148	1258	1360	1400	1502	1541	1645	1861
7														
322 mm	W	826	846	867	929	1093	1340	1468	1586	1633	1752	1798	1919	2171
8														
368 mm	W	944	966	991	1062	1250	1531	1678	1813	1866	2002	2055	2193	2482
9														
414 mm	W	1062	1087	1115	1194	1406	1723	1887	2039	2100	2253	2312	2467	2792
10														
460 mm	W	1180	1208	1239	1327	1562	1914	2097	2266	2333	2503	2569	2741	3102
11														
506 mm	W	1298	1329	1363	1460	1718	2105	2307	2493	2566	2753	2826	3015	3412
12														
552 mm	W	1416	1450	1487	1592	1874	2297	2516	2719	2800	3004	3083	3289	3722
13														
598 mm	W	1534	1570	1611	1725	2031	2488	2726	2946	3033	3254	3340	3563	4033
14														
644 mm	W	1652	1691	1735	1858	2187	2680	2936	3172	3266	3504	3597	3837	4343
15														
690 mm	W	1770	1812	1859	1991	2343	2871	3146	3399	3500	3755	3854	4112	4653
16														
736 mm	W	1888	1933	1982	2123	2499	3062	3355	3626	3733	4005	4110	4386	4963
17														
782 mm	W	2006	2054	2106	2256	2655	3254	3565	3852	3966	4255	4367	4660	5273
18														
828 mm	W	2124	2174	2230	2389	2812	3445	3775	4079	4199	4505	4624	4934	5584
19														
874 mm	W	2242	2295	2354	2521	2968	3637	3984	4305	4433	4756	4881	5208	5894
20														
920 mm	W	2360	2416	2478	2654	3124	3828	4194	4532	4666	5006	5138	5482	6204
21														
966 mm	W	2478	2537	2602	2787	3280	4019	4404	4759	4899	5256	5395	5756	6514
22														
1012 mm	W	2596	2658	2726	2919	3436	4211	4613	4985	5133	5507	5652	6030	6824
23														
1058 mm	W	2714	2778	2850	3052	3593	4402	4823	5212	5366	5757	5909	6304	7135
24														
1104 mm	W	2832	2899	2974	3185	3749	4594	5033	5438	5599	6007	6166	6578	7445
25														
1150 mm	W	2950	3020	3098	3318	3905	4785	5243	5665	5833	6258	6423	6853	7755
26														
1196 mm	W	3068	3141	3221	3450	4061	4976	5452	5892	6066	6508	6679	7127	8065
27														
1242 mm	W	3186	3262	3345	3583	4217	5168	5662	6118	6299	6758	6936	7401	8375
28														
1288 mm	W	3304	3382	3469	3716	4374	5359	5872	6345	6532	7008	7193	7675	8686
29														
1344 mm	W	3422	3503	3593	3848	4530	5551	6081	6571	6766	7259	7450	7949	8996
30														
1380 mm	W	3540	3624	3717	3981	4686	5742	6291	6798	6999	7509	7707	8223	9306
31														
1426 mm	W	3658	3745	3841	4114	4842	5933	6501	7025	7232	7759	7964	8497	9616
32														
1472 mm	W	3776	3866	3965	4246	4998	6125	6710	7251	7466	8010	8221	8771	9926
33														
1518 mm	W	3894	3986	4089	4379	5155	6316	6920	7478	7699	8260	8478	9045	10237
34														
1564 mm	W	4012	4107	4213	4512	5311	6508	7130	7704	7932	8510	8735	9319	10547
35														
1610 mm	W	4130	4228	4337	4645	5467	6699	7340	7931	8166	8761	8992	9594	10857
36														
1656 mm	W	4248	4349	4460	4777	5623	6890	7549	8158	8399	9011	9248	9868	11167
37														
1702 mm	W	4366	4470	4584	4910	5779	7082	7759	8384	8632	9261	9505	10142	11477
38														
1748 mm	W	4484	4590	4708	5043	5936	7273	7969	8611	8865	9511	9762	10416	11788
39														
1794 mm	W	4602	4711	4832	5175	6092	7465	8178	8837	9099	9762	10019	10690	12098
40														
1840 mm	W	4720	4832	4956	5308	6248	7656	8388	9064	9332	10012	10276	10964	12408

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 345.

Pipe Centres for replacing **LAMELLAR and PANEL** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **CAST IRON** radiators



MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	46 mm

CERTIFICATES

CE — EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS — NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

HOW TO ORDER ARDESIA® TUBULAR 5 COLUMNS

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF ELEMENTS		CONNECTION		CONSTANT VALUE
AX	5	19	1800	D01	T11	A
	NR. OF COLUMNS		HEIGHT		COLOR	

EXAMPLE OF ARTICLE CODE

AX 5 19 1800 D01 T11 A

Ardesia® 5 columns - 19 el. - H 1800
- Rapid fixing kit AX
- Connection D01
- Color T11

PRICE AND TECHNICAL DATA PER SECTION

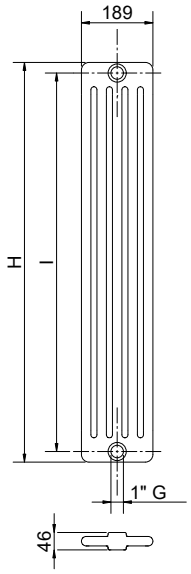
Height H [mm]	207	300	400	500	556	586	600	626	656	676	750	756	786	856
Pipe Centres I [mm]	151	244	344	444	500	530	544	570	600	620	694	700	730	800
(90/70/20°C) ΔT 60 = W	50,5	71,9	92,1	111,7	122,5	128,3	130,9	135,9	141,5	145,3	159,2	160,3	165,9	178,8
(75/65/20°C) ΔT 50 = W	**39,7**	**56,5**	**72,4**	**87,7**	**96,2**	**100,7**	**102,7**	**106,6**	**111**	**114**	**124,8**	**125,7**	**130**	**140,1**
(55/45/20°C) ΔT 30 = W	20,1	28,8	36,8	44,6	48,8	51,1	52,1	54	56,3	57,7	63,1	63,6	65,7	70,7
Water content [lt]	0,7	0,9	1,1	1,3	1,41	1,47	1,5	1,55	1,61	1,65	1,8	1,81	1,87	2,01
Dry Weight [kg]	0,89	1,24	1,59	1,95	2,14	2,24	2,3	2,39	2,5	2,57	2,83	2,85	2,97	3,2
Exp. [n]	1,329	1,32	1,323	1,326	1,328	1,329	1,329	1,33	1,331	1,332	1,334	1,335	1,335	1,338
Nominal flow rate [kg/h]	3,4	4,9	6,2	7,5	8,3	8,7	8,8	9,2	9,5	9,8	10,7	10,8	11,2	12
Radiation quote [%]	19	19	18	18	18	18	18	18	18	18	18	18	17	17
Surface [m²]	0,09	0,12	0,16	0,2	0,22	0,23	0,24	0,25	0,26	0,27	0,29	0,3	0,31	0,33

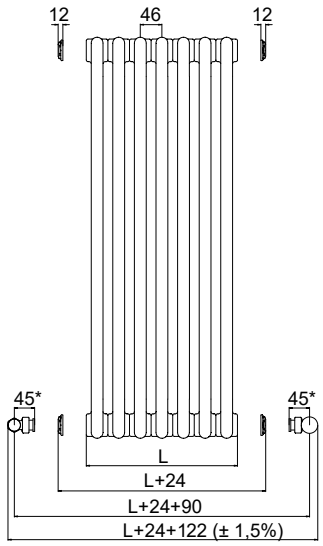
HEIGHTS FOR REPLACEMENT

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators





*Quotes for Kristal valves

Measurements on the drawing are in mm

FIXING

AR — WITHOUT FIXING KIT

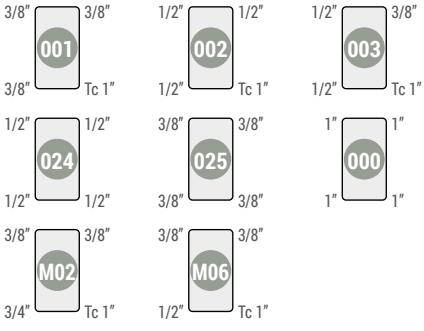
AX — RAPID FIXING KIT



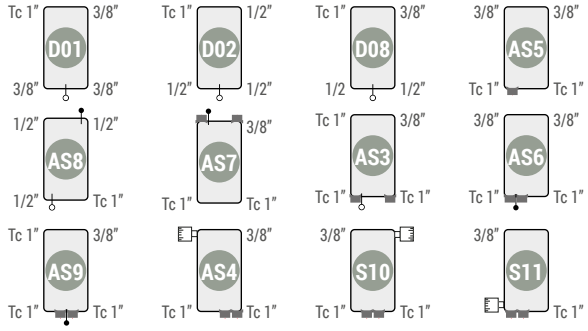
AW — MINIMAL FIXING KIT



CONNECTIONS



Specials



LEGEND

- Movable Diverter
- Tc — End cap
- Connection 1/2"
- Welded Diverter
- Thermostatic head

See pages 18 and 19 connection configurations details.

876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500	Height H [mm]
820	844	870	944	1144	1444	1600	1744	1800	1944	2000	2144	2444	Pipe Centres I [mm]
182,5	186,9	191,7	205,4	242,1	297	324	348,7	358,3	382,9	392,4	416,7	467,2	(90/70/20°C) ΔT 60 = W
143	**146,4**	**150,1**	**160,6**	**188,8**	**230,4**	**251,9**	**271,6**	**279,3**	**299**	**306,7**	**326,4**	**367,4**	**(75/65/20°C) ΔT 50 = W**
72,2	73,9	75,6	80,7	93,9	113,1	124,4	134,9	139	149,6	153,8	164,6	187,4	(55/45/20°C) ΔT 30 = W
2,05	2,1	2,13	2,3	2,7	3,3	3,62	3,91	4,02	4,31	4,42	4,71	5,31	Water content [lt]
3,27	3,36	3,26	3,71	4,41	5,47	6,02	6,53	6,75	7,23	7,45	7,94	9	Dry Weight [kg]
1,338	1,339	1,342	1,348	1,366	1,393	1,381	1,37	1,366	1,356	1,351	1,341	1,318	Exp. [n]
12,3	12,6	12,9	13,8	16,2	19,8	21,7	23,4	24	25,7	26,4	28,1	31,6	Nominal flow rate [kg/h]
17	17	17	17	16	16	15	15	15	14	14	14	13	Radiation quote [%]
0,34	0,35	0,36	0,39	0,46	0,58	0,64	0,69	0,71	0,77	0,79	0,84	0,95	Surface [m²]

SURCHARGE COLORS

- **CLASSIC** COLOR
- **SPECIAL** COLOR

SURCHARGE SPECIAL CONNECTIONS

D01 - D02 - D08
AS5
AS3 - AS6 - AS7 - AS8 - AS9
AS4
S10
S11

SURCHARGE FIXING KIT

- AX **RAPID** FIXING KIT
- AW **MINIMAL** FIXING KIT

ardesia 5 COLUMNS

WARRANTY 5 YEARS

ELEMENTS Width [mm]		HEIGHTS [mm]													
		207	300	400	500	556	586	600	626	656	676	750	756	786	856
3															
138 mm	W	119	170	217	263	289	302	308	320	333	342	374	377	390	420
4															
184 mm	W	159	226	290	351	385	403	411	426	444	456	499	503	520	560
5															
230 mm	W	199	283	362	439	481	504	514	533	555	570	624	629	650	701
6															
276 mm	W	238	339	434	526	577	604	616	640	666	684	749	754	780	841
7															
322 mm	W	278	396	507	614	673	705	719	746	777	798	874	880	910	981
8															
368 mm	W	318	452	579	702	770	806	822	853	888	912	998	1006	1040	1121
9															
414 mm	W	357	509	652	789	866	906	924	959	999	1026	1123	1131	1170	1261
10															
460 mm	W	397	565	724	877	962	1007	1027	1066	1110	1140	1248	1257	1300	1401
11															
506 mm	W	437	622	796	965	1058	1108	1130	1173	1221	1254	1373	1383	1430	1541
12															
552 mm	W	476	678	869	1052	1154	1208	1232	1279	1332	1368	1498	1508	1560	1681
13															
598 mm	W	516	735	941	1140	1251	1309	1335	1386	1443	1482	1622	1634	1690	1821
14															
644 mm	W	556	791	1014	1228	1347	1410	1438	1492	1554	1596	1747	1760	1820	1961
15															
690 mm	W	596	848	1086	1316	1443	1511	1541	1599	1665	1710	1872	1886	1950	2102
16															
736 mm	W	635	904	1158	1403	1539	1611	1643	1706	1776	1824	1997	2011	2080	2242
17															
782 mm	W	675	961	1231	1491	1635	1712	1746	1812	1887	1938	2122	2137	2210	2382
18															
828 mm	W	715	1017	1303	1579	1732	1813	1849	1919	1998	2052	2246	2263	2340	2522
19															
874 mm	W	754	1074	1376	1666	1828	1913	1951	2025	2109	2166	2371	2388	2470	2662
20															
920 mm	W	794	1130	1448	1754	1924	2014	2054	2132	2220	2280	2496	2514	2600	2802
21															
966 mm	W	834	1187	1520	1842	2020	2115	2157	2239	2331	2394	2621	2640	2730	2942
22															
1012 mm	W	873	1243	1593	1929	2116	2215	2259	2345	2442	2508	2746	2765	2860	3082
23															
1058 mm	W	913	1300	1665	2017	2213	2316	2362	2452	2553	2622	2870	2891	2990	3222
24															
1104 mm	W	953	1356	1738	2105	2309	2417	2465	2558	2664	2736	2995	3017	3120	3362
25															
1150 mm	W	993	1413	1810	2193	2405	2518	2568	2665	2775	2850	3120	3143	3250	3503
26															
1196 mm	W	1032	1469	1882	2280	2501	2618	2670	2772	2886	2964	3245	3268	3380	3643
27															
1242 mm	W	1072	1526	1955	2368	2597	2719	2773	2878	2997	3078	3370	3394	3510	3783
28															
1288 mm	W	1112	1582	2027	2456	2694	2820	2876	2985	3108	3192	3494	3520	3640	3923
29															
1344 mm	W	1151	1639	2100	2543	2790	2920	2978	3091	3219	3306	3619	3645	3770	4063
30															
1380 mm	W	1191	1695	2172	2631	2886	3021	3081	3198	3330	3420	3744	3771	3900	4203
31															
1426 mm	W	1231	1752	2244	2719	2982	3122	3184	3305	3441	3534	3869	3897	4030	4343
32															
1472 mm	W	1270	1808	2317	2806	3078	3222	3286	3411	3552	3648	3994	4022	4160	4483
33															
1518 mm	W	1310	1865	2389	2894	3175	3323	3389	3518	3663	3762	4118	4148	4290	4623
34															
1564 mm	W	1350	1921	2462	2982	3271	3424	3492	3624	3774	3876	4243	4274	4420	4763
35															
1610 mm	W	1390	1978	2534	3070	3367	3525	3595	3731	3885	3990	4368	4400	4550	4904
36															
1656 mm	W	1429	2034	2606	3157	3463	3625	3697	3838	3996	4104	4493	4525	4680	5044
37															
1702 mm	W	1469	2091	2679	3245	3559	3726	3800	3944	4107	4218	4618	4651	4810	5184
38															
1748 mm	W	1509	2147	2751	3333	3656	3827	3903	4051	4218	4332	4742	4777	4940	5324
39															
1794 mm	W	1548	2204	2824	3420	3752	3927	4005	4157	4329	4446	4867	4902	5070	5464
40															
1840 mm	W	1588	2260	2896	3508	3848	4028	4108	4264	4440	4560	4992	5028	5200	5604

ardesia® 5 COLUMNS

ELEMENTS Width [mm]		HEIGHTS [mm] 876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500
3														
138 mm	W	429	439	450	482	566	691	756	815	838	897	920	979	1102
4														
184 mm	W	572	586	600	642	755	922	1008	1086	1117	1196	1227	1306	1470
5														
230 mm	W	715	732	751	803	944	1152	1260	1358	1397	1495	1534	1632	1837
6														
276 mm	W	858	878	901	964	1133	1382	1511	1630	1676	1794	1840	1958	2204
7														
322 mm	W	1001	1025	1051	1124	1322	1613	1763	1901	1955	2093	2147	2285	2572
8														
368 mm	W	1144	1171	1201	1285	1510	1843	2015	2173	2234	2392	2454	2611	2939
9														
414 mm	W	1287	1318	1351	1445	1699	2074	2267	2444	2514	2691	2760	2938	3307
10														
460 mm	W	1430	1464	1501	1606	1888	2304	2519	2716	2793	2990	3067	3264	3674
11														
506 mm	W	1573	1610	1651	1767	2077	2534	2771	2988	3072	3289	3374	3590	4041
12														
552 mm	W	1716	1757	1801	1927	2266	2765	3023	3259	3352	3588	3680	3917	4409
13														
598 mm	W	1859	1903	1951	2088	2454	2995	3275	3531	3631	3887	3987	4243	4776
14														
644 mm	W	2002	2050	2101	2248	2643	3226	3527	3802	3910	4186	4294	4570	5144
15														
690 mm	W	2145	2196	2252	2409	2832	3456	3779	4074	4190	4485	4601	4896	5511
16														
736 mm	W	2288	2342	2402	2570	3021	3686	4030	4346	4469	4784	4907	5222	5878
17														
782 mm	W	2431	2489	2552	2730	3210	3917	4282	4617	4748	5083	5214	5549	6246
18														
828 mm	W	2574	2635	2702	2891	3398	4147	4534	4889	5027	5382	5521	5875	6613
19														
874 mm	W	2717	2782	2852	3051	3587	4378	4786	5160	5307	5681	5827	6202	6981
20														
920 mm	W	2860	2928	3002	3212	3776	4608	5038	5432	5586	5980	6134	6528	7348
21														
966 mm	W	3003	3074	3152	3373	3965	4838	5290	5704	5865	6279	6441	6854	7715
22														
1012 mm	W	3146	3221	3302	3533	4154	5069	5542	5975	6145	6578	6747	7181	8083
23														
1058 mm	W	3289	3367	3452	3694	4342	5299	5794	6247	6424	6877	7054	7507	8450
24														
1104 mm	W	3432	3514	3602	3854	4531	5530	6046	6518	6703	7176	7361	7834	8818
25														
1150 mm	W	3575	3660	3753	4015	4720	5760	6298	6790	6983	7475	7668	8160	9185
26														
1196 mm	W	3718	3806	3903	4176	4909	5990	6549	7062	7262	7774	7974	8486	9552
27														
1242 mm	W	3861	3953	4053	4336	5098	6221	6801	7333	7541	8073	8281	8813	9920
28														
1288 mm	W	4004	4099	4203	4497	5286	6451	7053	7605	7820	8372	8588	9139	10287
29														
1344 mm	W	4147	4246	4353	4657	5475	6682	7305	7876	8100	8671	8894	9466	10655
30														
1380 mm	W	4290	4392	4503	4818	5664	6912	7557	8148	8379	8970	9201	9792	11022
31														
1426 mm	W	4433	4538	4653	4979	5853	7142	7809	8420	8658	9269	9508	10118	11389
32														
1472 mm	W	4576	4685	4803	5139	6042	7373	8061	8691	8938	9568	9814	10445	11757
33														
1518 mm	W	4719	4831	4953	5300	6230	7603	8313	8963	9217	9867	10121	10771	12124
34														
1564 mm	W	4862	4978	5103	5460	6419	7834	8565	9234	9496	10166	10428	11098	12492
35														
1610 mm	W	5005	5124	5254	5621	6608	8064	8817	9506	9776	10465	10735	11424	12859
36														
1656 mm	W	5148	5270	5404	5782	6797	8294	9068	9778	10055	10764	11041	11750	13226
37														
1702 mm	W	5291	5417	5554	5942	6986	8525	9320	10049	10334	11063	11348	12077	13594
38														
1748 mm	W	5434	5563	5704	6103	7174	8755	9572	10321	10613	11362	11655	12403	13961
39														
1794 mm	W	5577	5710	5854	6263	7363	8986	9824	10592	10893	11661	11961	12730	14329
40														
1840 mm	W	5720	5856	6004	6424	7552	9216	10076	10864	11172	11960	12268	13056	14696

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 345.

Pipe Centres for replacing **LAMELLAR and PANEL** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **CAST IRON** radiators



MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	46 mm

CERTIFICATES

CE — EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS — NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

HOW TO ORDER ARDESIA® TUBULAR 6 COLUMNS

EXAMPLE OF CODE COMPOSITION

FIXING	NR. OF ELEMENTS		CONNECTION		CONSTANT VALUE
AX	6	19	0207	D01	T10	A
	NR. OF COLUMNS		HEIGHT		COLOR	

EXAMPLE OF ARTICLE CODE

AX 6 19 0207 D01 T10 A

Ardesia® 6 columns - 19 el. - H 207
- Rapid fixing kit AX
- Connection D01
- Color T10

PRICE AND TECHNICAL DATA PER SECTION

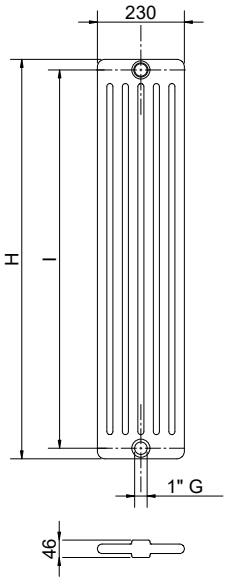
Height H [mm]	207	300	400	500	556	586	600	626	656	676	750	756	786	856
Pipe Centres I [mm]	151	244	344	444	500	530	544	570	600	620	694	700	730	800
(90/70/20°C) ΔT 60 = W	61,9	86,1	110,9	134,7	147,6	154,5	157,6	163,5	170,2	174,6	190,7	192	198,4	213,2
(75/65/20°C) ΔT 50 = W	**48,7**	**67,7**	**87,3**	**106,2**	**116,5**	**121,9**	**124,5**	**129,1**	**134,5**	**138**	**150,9**	**152**	**157,1**	**169**
(55/45/20°C) ΔT 30 = W	24,8	34,5	44,6	54,5	60	62,8	64,2	66,7	69,5	71,4	78,3	78,9	81,7	88,1
Water content [lt]	0,8	1,1	1,3	1,6	1,7	1,77	1,8	1,85	1,9	2	2,2	2,2	2,25	2,4
Dry Weight [kg]	1,07	1,49	1,92	2,34	2,58	2,7	2,76	2,87	3	3,09	3,4	3,42	3,56	3,85
Exp. [n]	1,318	1,322	1,313	1,305	1,3	1,298	1,296	1,294	1,292	1,29	1,284	1,283	1,281	1,275
Nominal flow rate [kg/h]	4,2	5,8	7,5	9,1	10	10,5	10,7	11,1	11,6	11,9	13	13,1	13,5	14,5
Radiation quote [%]	19	19	18	18	18	18	18	18	18	18	17	17	17	17
Surface [m²]	0,11	0,15	0,19	0,24	0,27	0,28	0,29	0,3	0,31	0,32	0,35	0,36	0,37	0,4

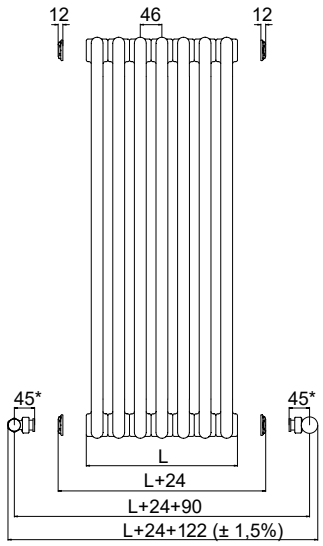
HEIGHTS FOR REPLACEMENT

Pipe Centres for replacing **CAST IRON** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **LAMELLAR and PANEL** radiators





*Quotes for Kristal valves

Measurements on the drawing are in mm

FIXING

AR
WITHOUT FIXING KIT

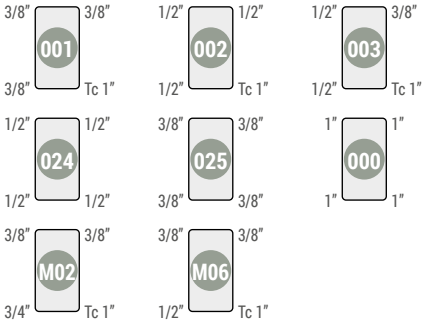
AX
RAPID FIXING KIT



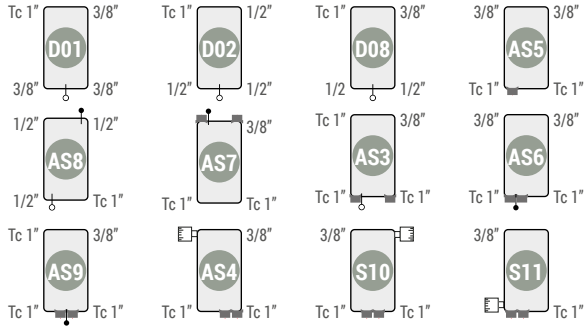
AW
MINIMAL FIXING KIT



CONNECTIONS



Specials



LEGEND

- Movable Diverter
- Tc End cap
- Connection 1/2"
- Welded Diverter
- Thermostatic head

See pages 18 and 19 connection configurations details.

876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500	Height H [mm]
820	844	870	944	1144	1444	1600	1744	1800	1944	2000	2144	2444	Pipe Centres I [mm]
217,4	222,4	228,1	244,2	287,1	349,7	378	403,4	413	437,2	446,4	469,6	515,6	(90/70/20°C) ΔT 60 = W
172,4	**176,4**	**180,7**	**192,9**	**224,7**	**270**	**292,5**	**312,7**	**320,4**	**339,8**	**347,2**	**366**	**403,4**	**(75/65/20°C) ΔT 50 = W**
90	92,1	94,1	99,5	113,1	130,8	142,6	153,2	157,3	167,8	171,8	182	202,9	(55/45/20°C) ΔT 30 = W
2,5	2,5	2,56	2,8	3,2	4	4,36	4,7	4,84	5,2	5,29	5,6	6,4	Water content [lt]
3,93	4,03	3,92	4,46	5,3	6,57	7,23	7,84	8,11	8,69	8,95	9,53	10,8	Dry Weight [kg]
1,273	1,271	1,277	1,296	1,345	1,418	1,407	1,396	1,392	1,382	1,378	1,367	1,345	Exp. [n]
14,8	15,2	15,5	16,6	19,3	23,2	25,2	26,9	27,6	29,2	29,9	31,5	34,7	Nominal flow rate [kg/h]
17	17	17	17	16	15	15	14	14	14	13	13	12	Radiation quote [%]
0,41	0,42	0,43	0,47	0,56	0,69	0,76	0,83	0,85	0,92	0,94	1,01	1,14	Surface [m²]

SURCHARGE COLORS

- **CLASSIC** COLOR
- **SPECIAL** COLOR

SURCHARGE SPECIAL CONNECTIONS

D01 - D02 - D08	AS4
AS5	S10
AS3 - AS6 - AS7 - AS8 - AS9	S11

SURCHARGE FIXING KIT

- AX **RAPID** FIXING KIT
- AW **MINIMAL** FIXING KIT

ELEMENTS Width [mm]		HEIGHTS [mm]													
		207	300	400	500	556	586	600	626	656	676	750	756	786	856
3															
138 mm	W	146	203	262	319	350	366	374	387	404	414	453	456	471	507
4															
184 mm	W	195	271	349	425	466	488	498	516	538	552	604	608	628	676
5															
230 mm	W	244	339	437	531	583	610	623	646	673	690	755	760	786	845
6															
276 mm	W	292	406	524	637	699	731	747	775	807	828	905	912	943	1014
7															
322 mm	W	341	474	611	743	816	853	872	904	942	966	1056	1064	1100	1183
8															
368 mm	W	390	542	698	850	932	975	996	1033	1076	1104	1207	1216	1257	1352
9															
414 mm	W	438	609	786	956	1049	1097	1121	1162	1211	1242	1358	1368	1414	1521
10															
460 mm	W	487	677	873	1062	1165	1219	1245	1291	1345	1380	1509	1520	1571	1690
11															
506 mm	W	536	745	960	1168	1282	1341	1370	1420	1480	1518	1660	1672	1728	1859
12															
552 mm	W	584	812	1048	1274	1398	1463	1494	1549	1614	1656	1811	1824	1885	2028
13															
598 mm	W	633	880	1135	1381	1515	1585	1619	1678	1749	1794	1962	1976	2042	2197
14															
644 mm	W	682	948	1222	1487	1631	1707	1743	1807	1883	1932	2113	2128	2199	2366
15															
690 mm	W	731	1016	1310	1593	1748	1829	1868	1937	2018	2070	2264	2280	2357	2535
16															
736 mm	W	779	1083	1397	1699	1864	1950	1992	2066	2152	2208	2414	2432	2514	2704
17															
782 mm	W	828	1151	1484	1805	1981	2072	2117	2195	2287	2346	2565	2584	2671	2873
18															
828 mm	W	877	1219	1571	1912	2097	2194	2241	2324	2421	2484	2716	2736	2828	3042
19															
874 mm	W	925	1286	1659	2018	2214	2316	2366	2453	2556	2622	2867	2888	2985	3211
20															
920 mm	W	974	1354	1746	2124	2330	2438	2490	2582	2690	2760	3018	3040	3142	3380
21															
966 mm	W	1023	1422	1833	2230	2447	2560	2615	2711	2825	2898	3169	3192	3299	3549
22															
1012 mm	W	1071	1489	1921	2336	2563	2682	2739	2840	2959	3036	3320	3344	3456	3718
23															
1058 mm	W	1120	1557	2008	2443	2680	2804	2864	2969	3094	3174	3471	3496	3613	3887
24															
1104 mm	W	1169	1625	2095	2549	2796	2926	2988	3098	3228	3312	3622	3648	3770	4056
25															
1150 mm	W	1218	1693	2183	2655	2913	3048	3113	3228	3363	3450	3773	3800	3928	4225
26															
1196 mm	W	1266	1760	2270	2761	3029	3169	3237	3357	3497	3588	3923	3952	4085	4394
27															
1242 mm	W	1315	1828	2357	2867	3146	3291	3362	3486	3632	3726	4074	4104	4242	4563
28															
1288 mm	W	1364	1896	2444	2974	3262	3413	3486	3615	3766	3864	4225	4256	4399	4732
29															
1344 mm	W	1412	1963	2532	3080	3379	3535	3611	3744	3901	4002	4376	4408	4556	4901
30															
1380 mm	W	1461	2031	2619	3186	3495	3657	3735	3873	4035	4140	4527	4560	4713	5070
31															
1426 mm	W	1510	2099	2706	3292	3612	3779	3860	4002	4170	4278	4678	4712	4870	5239
32															
1472 mm	W	1558	2166	2794	3398	3728	3901	3984	4131	4304	4416	4829	4864	5027	5408
33															
1518 mm	W	1607	2234	2881	3505	3845	4023	4109	4260	4439	4554	4980	5016	5184	5577
34															
1564 mm	W	1656	2302	2968	3611	3961	4145	4233	4389	4573	4692	5131	5168	5341	5746
35															
1610 mm	W	1705	2370	3056	3717	4078	4267	4358	4519	4708	4830	5282	5320	5499	5915
36															
1656 mm	W	1753	2437	3143	3823	4194	4388	4482	4648	4842	4968	5432	5472	5656	6084
37															
1702 mm	W	1802	2505	3230	3929	4311	4510	4607	4777	4977	5106	5583	5624	5813	6253
38															
1748 mm	W	1851	2573	3317	4036	4427	4632	4731	4906	5111	5244	5734	5776	5970	6422
39															
1794 mm	W	1899	2640	3405	4142	4544	4754	4856	5035	5246	5382	5885	5928	6127	6591
40															
1840 mm	W	1948	2708	3492	4248	4660	4876	4980	5164	5380	5520	6036	6080	6284	6760

ardesia® 6 COLUMNS

ELEMENTS Width [mm]		HEIGHTS [mm] 876	900	926	1000	1200	1500	1656	1800	1856	2000	2056	2200	2500
3														
138 mm	W	517	529	542	579	674	810	878	938	961	1019	1042	1098	1210
4														
184 mm	W	690	706	723	772	899	1080	1170	1251	1282	1359	1389	1464	1614
5														
230 mm	W	862	882	904	965	1124	1350	1463	1564	1602	1699	1736	1830	2017
6														
276 mm	W	1034	1058	1084	1157	1348	1620	1755	1876	1922	2039	2083	2196	2420
7														
322 mm	W	1207	1235	1265	1350	1573	1890	2048	2189	2243	2379	2430	2562	2824
8														
368 mm	W	1379	1411	1446	1543	1798	2160	2340	2502	2563	2718	2778	2928	3227
9														
414 mm	W	1552	1588	1626	1736	2022	2430	2633	2814	2884	3058	3125	3294	3631
10														
460 mm	W	1724	1764	1807	1929	2247	2700	2925	3127	3204	3398	3472	3660	4034
11														
506 mm	W	1896	1940	1988	2122	2472	2970	3218	3440	3524	3738	3819	4026	4437
12														
552 mm	W	2069	2117	2168	2315	2696	3240	3510	3752	3845	4078	4166	4392	4841
13														
598 mm	W	2241	2293	2349	2508	2921	3510	3803	4065	4165	4417	4514	4758	5244
14														
644 mm	W	2414	2470	2530	2701	3146	3780	4095	4378	4486	4757	4861	5124	5648
15														
690 mm	W	2586	2646	2711	2894	3371	4050	4388	4691	4806	5097	5208	5490	6051
16														
736 mm	W	2758	2822	2891	3086	3595	4320	4680	5003	5126	5437	5555	5856	6454
17														
782 mm	W	2931	2999	3072	3279	3820	4590	4973	5316	5447	5777	5902	6222	6858
18														
828 mm	W	3103	3175	3253	3472	4045	4860	5265	5629	5767	6116	6250	6588	7261
19														
874 mm	W	3276	3352	3433	3665	4269	5130	5558	5941	6088	6456	6597	6954	7665
20														
920 mm	W	3448	3528	3614	3858	4494	5400	5850	6254	6408	6796	6944	7320	8068
21														
966 mm	W	3620	3704	3795	4051	4719	5670	6143	6567	6728	7136	7291	7686	8471
22														
1012 mm	W	3793	3881	3975	4244	4943	5940	6435	6879	7049	7476	7638	8052	8875
23														
1058 mm	W	3965	4057	4156	4437	5168	6210	6728	7192	7369	7815	7986	8418	9278
24														
1104 mm	W	4138	4234	4337	4630	5393	6480	7020	7505	7690	8155	8333	8784	9682
25														
1150 mm	W	4310	4410	4518	4823	5618	6750	7313	7818	8010	8495	8680	9150	10085
26														
1196 mm	W	4482	4586	4698	5015	5842	7020	7605	8130	8330	8835	9027	9516	10488
27														
1242 mm	W	4655	4763	4879	5208	6067	7290	7898	8443	8651	9175	9374	9882	10892
28														
1288 mm	W	4827	4939	5060	5401	6292	7560	8190	8756	8971	9514	9722	10248	11295
29														
1344 mm	W	5000	5116	5240	5594	6516	7830	8483	9068	9292	9854	10069	10614	11699
30														
1380 mm	W	5172	5292	5421	5787	6741	8100	8775	9381	9612	10194	10416	10980	12102
31														
1426 mm	W	5344	5468	5602	5980	6966	8370	9068	9694	9932	10534	10763	11346	12505
32														
1472 mm	W	5517	5645	5782	6173	7190	8640	9360	10006	10253	10874	11110	11712	12909
33														
1518 mm	W	5689	5821	5963	6366	7415	8910	9653	10319	10573	11213	11458	12078	13312
34														
1564 mm	W	5862	5998	6144	6559	7640	9180	9945	10632	10894	11553	11805	12444	13716
35														
1610 mm	W	6034	6174	6325	6752	7865	9450	10238	10945	11214	11893	12152	12810	14119
36														
1656 mm	W	6206	6350	6505	6944	8089	9720	10530	11257	11534	12233	12499	13176	14522
37														
1702 mm	W	6379	6527	6686	7137	8314	9990	10823	11570	11855	12573	12846	13542	14926
38														
1748 mm	W	6551	6703	6867	7330	8539	10260	11115	11883	12175	12912	13194	13908	15329
39														
1794 mm	W	6724	6880	7047	7523	8763	10530	11408	12195	12496	13252	13541	14274	15733
40														
1840 mm	W	6896	7056	7228	7716	8988	10800	11700	12508	12816	13592	13888	14640	16136

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 345.

Pipe Centres for replacing **LAMELLAR and PANEL** radiators

Pipe Centres for replacing **ALUMINIUM** radiators

Pipe Centres for replacing **CAST IRON** radiators


Color: S03 Pergamon

MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.
- Seat in solid wood.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

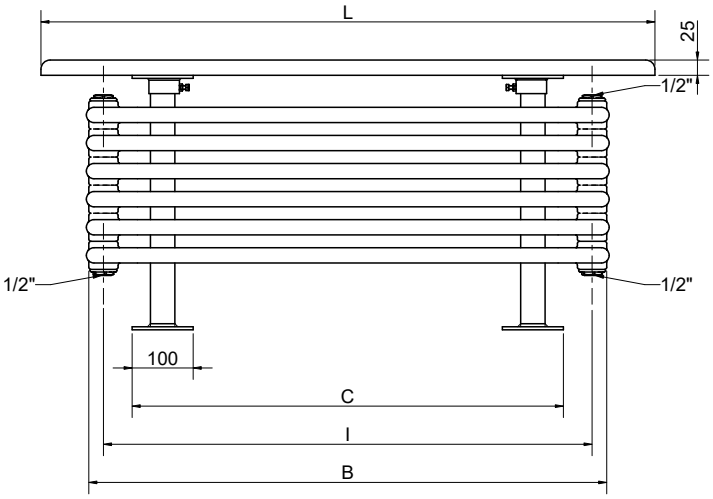
CONNECTION	SECTION WIDTH	AIRVENT
2 1/2" connections	46 mm	1/2"

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

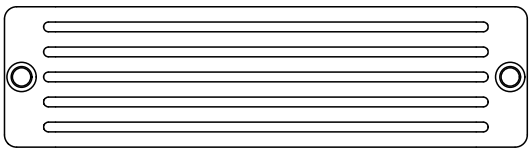
CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS

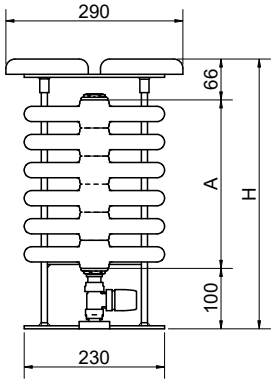

Color: RAL 9010 - R01 White



A third feet is provided from L 1950 mm as additional central support.



Top view - single 6 column section



Measurements for Kristal Total Color thermostatic angled valve kit available as accessory

ARDESIA® BENCH 6 COLUMNS

Height	Width	Nr. Elements	Pipe Centres	A	B	C		Dry Weight	Water content	Thermal output Δt 50°C		Thermal output Δt 60°C		Exp.
[mm]	L [mm]	Nr.	I [mm]	[mm]	[mm]	[mm]	Art. nr.	[Kg]	[lt]	[Watt]	kcal/h *	[Watt]	kcal/h *	n
	650		444	184	500	350	AR6 04 0500 PR2 __ A	28	6,4	**424**	365	540	464	1,348
	806		600	184	656	506	AR6 04 0656 PR2 __ A	32	7,6	**536**	461	685	589	1,346
	1006		800	184	856	706	AR6 04 0856 PR2 __ A	38	9,6	**676**	581	864	743	1,343
	1350		1144	184	1200	1050	AR6 04 1200 PR2 __ A	45	13,0	**900**	744	1149	988	1,337
350	1650	**4**	1444	184	1500	1350	AR6 04 1500 PR2 __ A	53	15,8	**1080**	929	1377	1184	1,333
	1950		1744	184	1800	1650	AR6 04 1800 PR2 __ A	62	18,7	**1252**	1077	1595	1372	1,328
	2150		1944	184	2000	1850	AR6 04 2000 PR2 __ A	71	20,7	**1360**	1170	1732	1489	1,325
	2350		2144	184	2200	2050	AR6 04 2200 PR2 __ A	77	22,6	**1464**	1259	1863	1602	1,322
	2650		2444	184	2500	2350	AR6 04 2500 PR2 __ A	86	25,5	**1612**	1386	2050	1763	1,317
	650		444	230	500	350	AR6 05 0500 PR2 __ A	31	8,0	**530**	456	678	583	1,348
	806		600	230	656	506	AR6 05 0656 PR2 __ A	36	9,5	**670**	576	856	736	1,346
	1006		800	230	856	706	AR6 05 0856 PR2 __ A	43	12,0	**845**	727	1079	928	1,343
	1350		1144	230	1200	1050	AR6 05 1200 PR2 __ A	51	16,2	**1125**	968	1436	1235	1,337
396	1650	**5**	1444	230	1500	1350	AR6 05 1500 PR2 __ A	61	19,8	**1350**	1161	1721	1480	1,333
	1950		1744	230	1800	1650	AR6 05 1800 PR2 __ A	70	23,4	**1565**	1346	1994	1715	1,328
	2150		1944	230	2000	1850	AR6 05 2000 PR2 __ A	81	25,8	**1770**	1462	2165	1862	1,325
	2350		2144	230	2200	2050	AR6 05 2200 PR2 __ A	88	28,2	**1830**	1574	2329	2003	1,322
	2650		2444	230	2500	2350	AR6 05 2500 PR2 __ A	98	31,8	**2015**	1733	2562	2203	1,317
	650		444	276	500	350	AR6 06 0500 PR2 __ A	34	9,6	**636**	547	810	697	1,348
	806		600	276	656	506	AR6 06 0656 PR2 __ A	40	11,4	**804**	691	1028	884	1,346
	1006		800	276	856	706	AR6 06 0856 PR2 __ A	48	14,4	**1014**	872	1296	1115	1,343
	1350		1144	276	1200	1050	AR6 06 1200 PR2 __ A	57	19,4	**1350**	1161	1723	1482	1,337
442	1650	**6**	1444	276	1500	1350	AR6 06 1500 PR2 __ A	68	23,8	**1620**	1393	2066	1776	1,333
	1950		1744	276	1800	1650	AR6 06 1800 PR2 __ A	79	28,1	**1878**	1615	2393	2058	1,328
	2150		1944	276	2000	1850	AR6 06 2000 PR2 __ A	91	31,0	**2040**	1754	2597	2234	1,325
	2350		2144	276	2200	2050	AR6 06 2200 PR2 __ A	98	33,9	**2196**	1889	2795	2403	1,322
	2650		2444	276	2500	2350	AR6 06 2500 PR2 __ A	109	38,2	**2418**	2079	3074	2644	1,317

To complete the article code, enter the color code corresponding to the chosen color.

For output at different ΔT, please refer to the following formula: desired output = output at ΔT 50 x (Desired Δt/50)^n


Color: S03 Pergamon

MATERIAL:
- Moulded heads in mild steel.
- Ø 25 mm electro-welded mild steel tubes.
- Space rings between sections welded with robotized technology of pulsed spray welding.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled cardboard. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FUNCTIONING	MAXIMUM TEMPERATURE	MINIMUM FLOW IN % OF THE NOMINAL FLOW RATE
Hot water	110 °C	18

MAXIMUM WORKING PRESSURE	TESTING CONDITIONS
10 bar	13 bar

HUB	SECTION WIDTH
1"	65 mm

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS

HOW TO ORDER ARDESIA® HYGIENIC

EXAMPLE OF CODE COMPOSITION

MODEL	NR. OF ELEMENTS		CONNECTION		CONSTANT VALUE
AH	3	19	0207	D01	T01	A
	NR. OF COLUMNS		HEIGHT		COLOR

EXAMPLE OF ARTICLE CODE

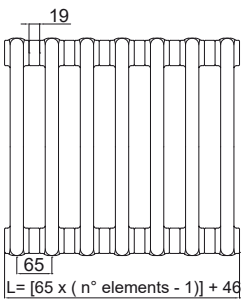
AH 3 19 0207 D01 T01 A

Ardesia® Hygienic 3 columns
19 el. - H 207
- Connection D01
- Color T01

Fixing kit to be ordered separately (see pages 340–341).

Space rings between sections welded with robotized technology of **PULSED SPRAY WELDING**





On demand, it is possible to realize ardesia in hygienic version, with all connections, heights, dimensions and finishing.
This execution extends the water content of Ardesia® to be applied also to sanitary and community centers subject to severe norms for hygiene in heating systems.
The space between the sections has been conceived to facilitate an accurate cleaning on all radiator surface. For additional information feel free to contact our sales department.

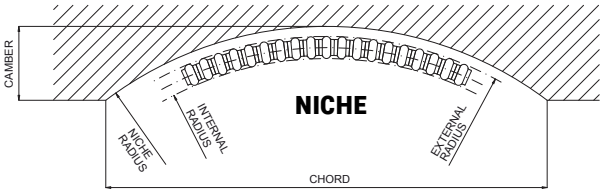
TECHNICAL DATA PER SECTION (at least 3 elements)
COLOR R01 WHITE

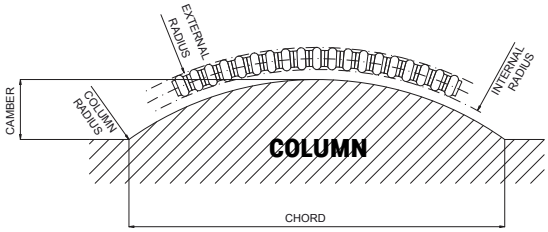
Height [mm]	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS
207					
300					
400					
500					
600					
750					
900					
1000					
1200					
1500					
1800					
2000					
2200					
2500					


Color: S07 Grafite

ARDESIA® CURVED

Among all special executions, the Ardesia® Curved model is the ideal solution for the installation around a column or within a wall niche.
Curved batteries are realizable on demand with the following minimum internal bending: Minimum internal bending: 1000 mm for 2 and 3 columns - 1300 mm for 4, 5 and 6 columns. The development of the battery can not exceed the semi-circonference, that is the angle covered by the curve needs to be less than 180°.





HOW TO ORDER

When sending the order please specify:
• N. of columns • N. of sections • Height.
• Radius and Chord as indicated technical drawing.
• Type of connections.


Color: RAL 7030 - R22 Grigio pietra

ARDESIA® ANGLED

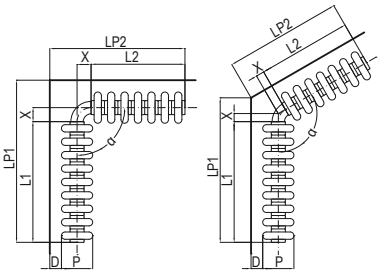
On demand it is possible to realize customised batteries of Ardesia® Angled.

HOW TO ORDER

When ordering please specify:
• n° of columns,
• n° of sections side 1 and side 2
• Height
• Connections and color
• Angle type and measure

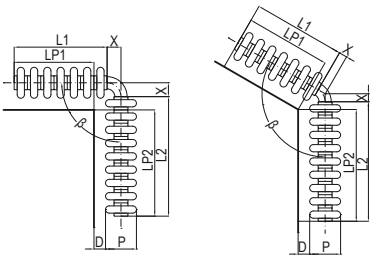
CLOSING WALL - ANGLE

N° columns	P [mm]	Distance X [mm] depending on angle α						Value to add or subtract to ***(number of sections x 46)*** so to obtain the wall encumbrance ***LP*** with D = 20 depending on angle **α**					
		α = 90°	α = 105°	**α** = 120°	**α** = 135°	**α** = 150°	**α** = 165°	**α** = 90°	**α** = 105°	**α** = 120°	**α** = 135°	**α** = 150°	**α** = 165°
2	66	48	37	28	20	13	6	48	51	58	73	105	204
3	107	48	37	28	20	13	6	48	57	70	93	140	281
4	148	93	71	54	39	25	12	93	97	108	133	188	363
5	189	93	71	54	39	25	12	93	102	120	153	223	440
6	230	118	96	79	64	50	37	93	102	120	153	223	440



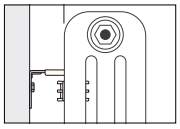
OPENING WALL - ANGLE

N° columns	P [mm]	Distance X [mm] depending on angle β						Value to add or subtract to ***(number of sections x 46)*** so to obtain the wall encumbrance ***LP*** with D = 20 depending on angle **β**					
		β = 90°	**β** = 105°	**β** = 120°	**β** = 135°	**β** = 150°	**β** = 165°	**β** = 90°	**β** = 105°	**β** = 120°	**β** = 135°	**β** = 150°	β = 165°
2	66	48	37	28	20	13	6	5	4	3	2	1	1
3	107	48	37	28	20	13	6	26	20	15	11	7	3
4	148	93	71	54	39	25	12	1	1	1	0	0	0
5	189	93	71	54	39	25	12	22	16	12	9	6	3
6	230	118	96	79	64	50	37	17	7	-1	-8	-14	-19

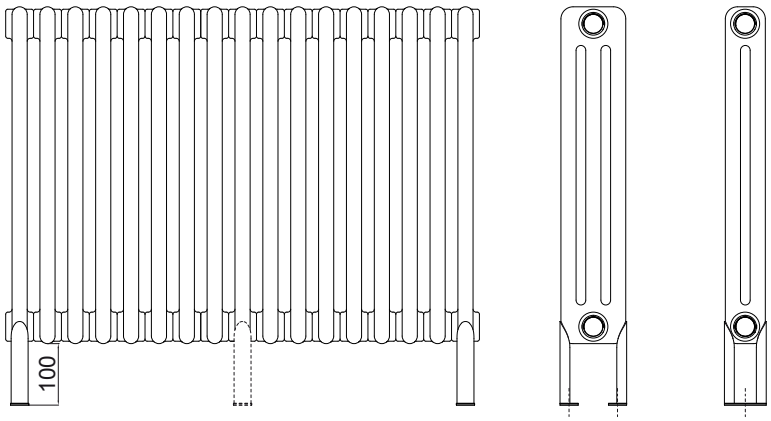


ardesia® WITH WELDED FEET (AS / AT)





On ARDESIA® with welded feet it is always necessary to install the wall stabiliser kit.
(not included - see page 342)
Art. nr. 5991990310307

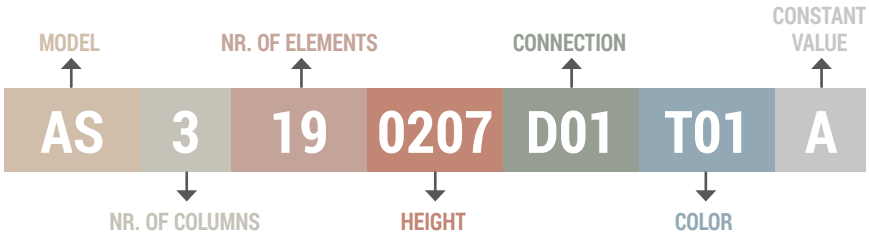


MOUNTING OPTIONS	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS	FEET STANDARD HEIGHT
	connected at the base			free		[mm]
from 3 to 23 sections	2 pairs	2 pairs	2 pairs	2 pairs	2 pairs	100
from 24 to 30 sections	3 pairs	3 pairs	3 pairs	-	-	100
from 24 to 40 sections	-	-	-	4 pairs	4 pairs	100
from 40 to 63 sections	4 pairs	4 pairs	4 pairs	4 pairs	4 pairs	100

For batteries with bottom sleeve connections, the number of welded feet may be 2 or 4 pairs, depending on the battery size.

HOW TO ORDER ARDESIA® WITH WELDED FEET HEIGHT 100 MM

EXAMPLE OF CODE COMPOSITION



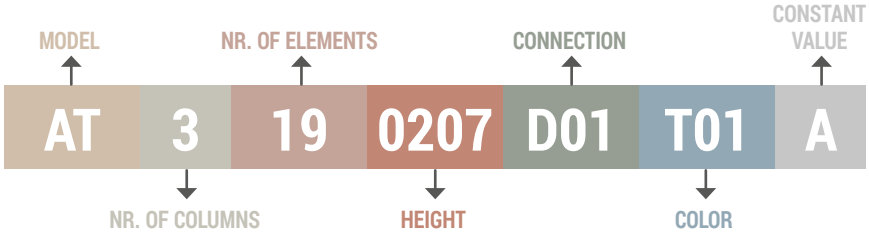
EXAMPLE OF ARTICLE CODE

AS 3 19 0207 D01 T01 A

Ardesia® with welded feet height 100 mm
3 columns - 19 el. - H 207
- Connection D01
- Color T01

HOW TO ORDER ARDESIA® WITH WELDED FEET HEIGHT 150 MM

EXAMPLE OF CODE COMPOSITION

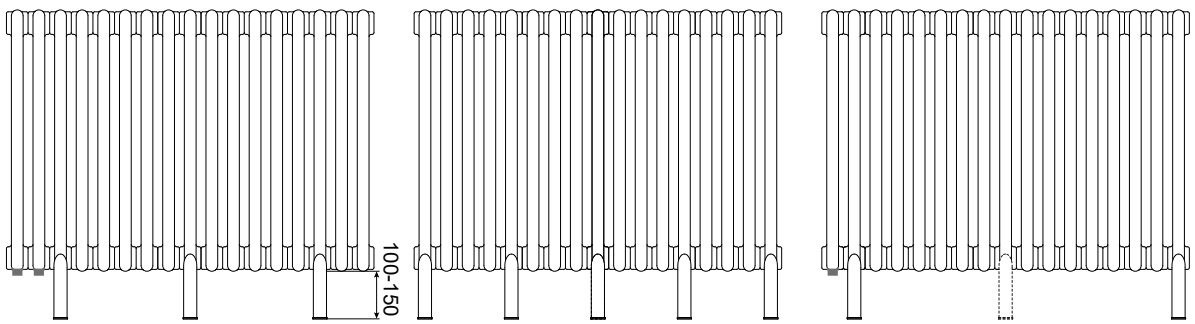


EXAMPLE OF ARTICLE CODE

AT 3 19 0207 D01 T01 A

Ardesia® with welded feet height 150 mm
3 columns - 19 el. - H 207
- Connection D01
- Color T01

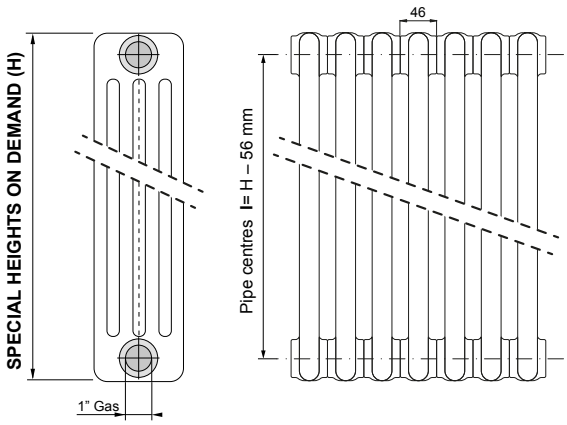
For special executions or for welded bottom connections connections, it is possible to customise batteries with a major or odd number of welded feet to facilitate installation.



SPECIAL HEIGHTS (NON STANDARD)

For replacing old radiators or for specific installation needs, it is possible to realize Special Heights, not indicated in pricelist, from 300 mm up to 2500 mm.

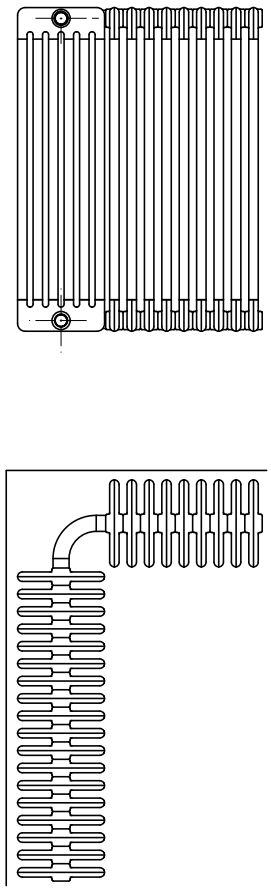
SPECIAL HEIGHTS ON DEMAND
Reference
Refer to the price of the immediate higher standard height. Requests are accepted only for models whose height or center distance is 5 mm higher than the standard sizes.



SPECIAL HEIGHTS ON DEMAND (H)

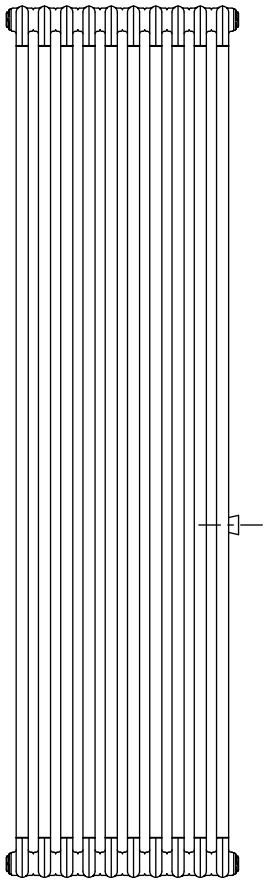
EXAMPLES OF CUSTOMISED EXECUTIONS

SINGLE ANGLE

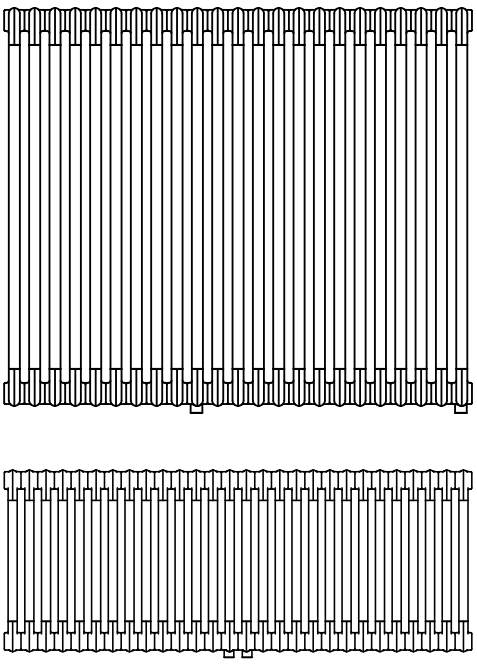


SOLUTION WITH LATERAL CONNECTION

FOR 3 AND 5 COLUMN BATTERIES



CUSTOMISED WELDED SLEEVES







TOWEL RAILS
Radiators

CLAUDIA® ELITE

WARRANTY **5 YEARS**


Color: H27 Bright red

MATERIAL:
• 30x40 semi-oval vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

ACCESSORIES INCLUDED:
Claudia® Elite is supplied with:
- 2 hooks
- Kristal valve kit with ø12/14mm copper and ø 16mm multilayer fittings
- Kristal TC thermostatic head and pipe cover kit

All matching the radiator color.

CERTIFICATES

CE · EURONORM EN 442-1 RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH · NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

ACCESSORIES INCLUDED



Colored valve kit, complete with fittings for copper ø 12-14 and multilayer ø 16 connection, TC thermostatic head and pipe cover kit

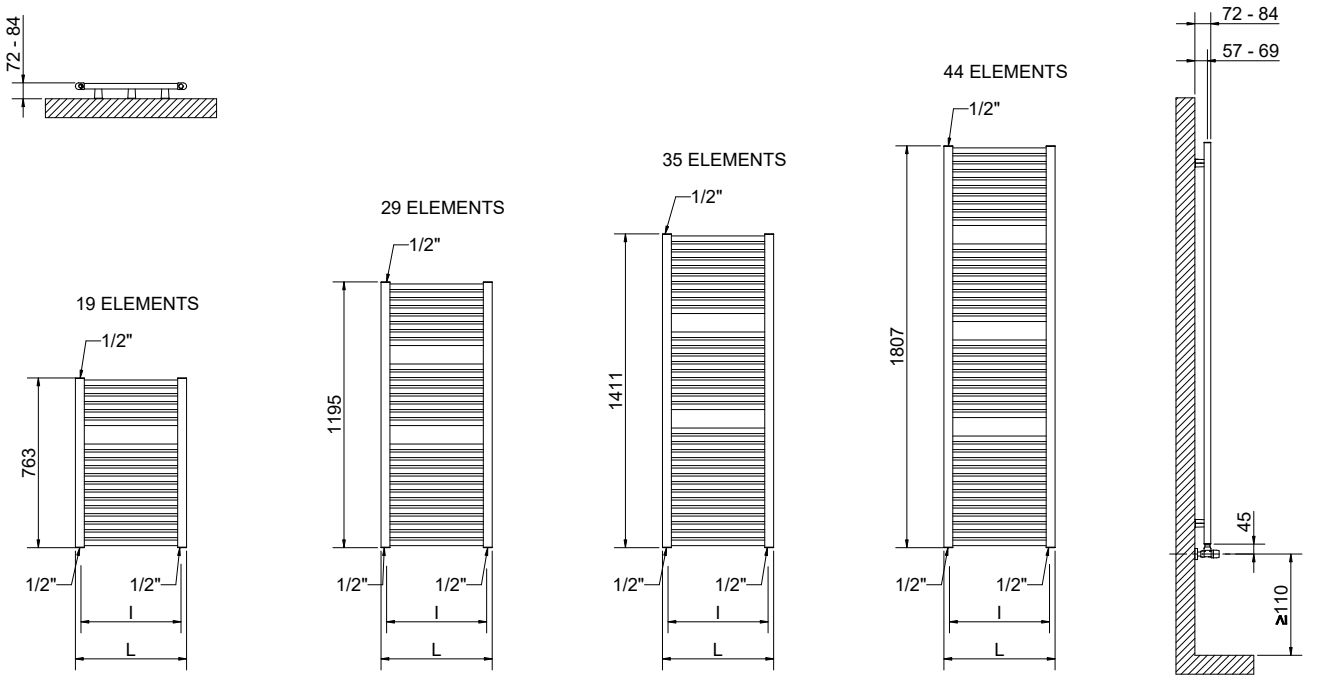


Kit 2 colored hooks



Colored fixing kit

Complete list, codes and details of the ACCESSORIES from page 332.



Quotes for Kristal valves

CLAUDIA® ELITE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
763	450	400	**3551356100211**	5,5	0,746	4,4	**349**	184	1,2497	300
	500	450	**3551356100215**	6,0	0,821	4,8	**389**	206	1,2472	400
1195	450	400	**3551356100212**	8,6	1,146	6,8	**534**	281	1,2551	500
	500	450	**3551356100216**	9,3	1,26	7,4	**595**	314	1,2488	600
	550	500	**3551356100220**	9,9	1,374	8,1	**656**	348	1,2437	600
	600	550	**3551356100224**	10,6	1,488	8,7	**716**	380	1,2395	700
1411	450	400	**3551356100213**	10,2	1,375	8,2	**648**	341	1,2583	600
	500	450	**3551356100217**	11,1	1,513	8,9	**719**	380	1,2498	700
	550	500	**3551356100221**	11,9	1,650	9,7	**791**	419	1,2429	700
	600	550	**3551356100225**	12,7	1,788	10,4	**862**	458	1,2371	900
1807	450	400	**3551356100214**	13	1,73	10,3	**821**	431	1,2631	700
	500	450	**3551356100218**	14	1,91	11,3	**907**	479	1,2513	900
	550	500	**3551356100222**	15,1	2,083	12,2	**992**	526	1,2417	1000
	600	550	**3551356100226**	16,1	2,25	13,2	**1077**	574	1,2336	1000

The codes shown in the table refer to the R01 White color models.

Claudia® Elite radiator includes a pair of hooks in the same color of the radiator and colored Kristal valves kit, complete with fittings for copper and multilayer.

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

To order **Claudia® Elite** you just need to choose size and color

CLAUDIA®

WARRANTY **5 YEARS**


Color: RAL 8017 - R09 Dark brown

MATERIAL:
• 30x40 semi-oval vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key,airvent,dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 112)
- ☑ Dual energy (see page 350)
- ☑ Blower (see page 140)
- ☑ Blower dual energy (see page 142)

NF range ☑:
Hot water radiators, convectors, and radiant panels- NF 047

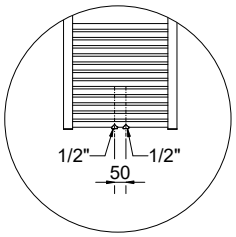
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

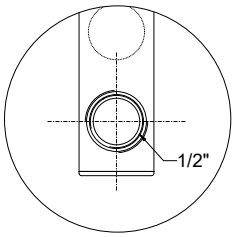

Towel bar in painted mild steel


Kit 2 colored hooks

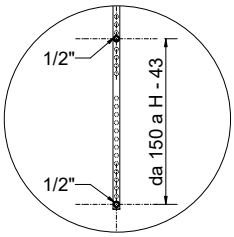
Complete list, codes and details of the ACCESSORIES from page 332.



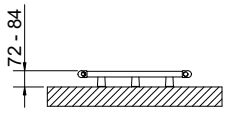
Detail of the 50 mm pipe-centres version.

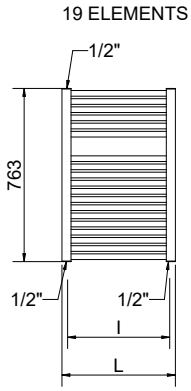


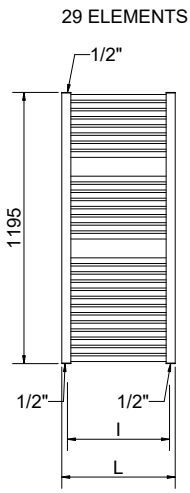
Detail of lateral 1/2" connection (see futher pages)

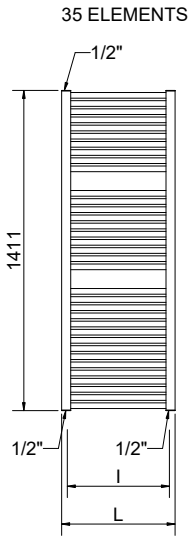


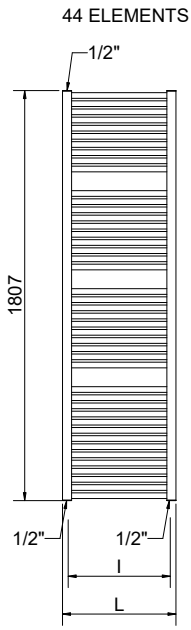
Detail of 2 lateral connections connection (see futher pages)

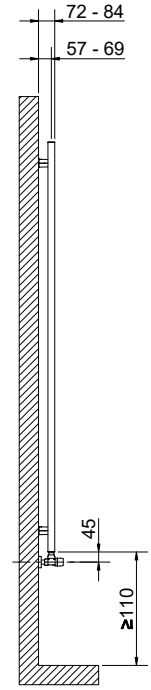












Quotes for Kristal valves

CLAUDIA®

Height	Width	Cert.	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	NF	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
763	400		350	3551356100025	3551356101025	5,1	0,671	4,0	**316**	169	1,2241	300
	450	☑	400	3551356100001	3551356101001	5,5	0,746	4,4	**349**	184	1,2497	300
	500	☑	450	3551356100004	3551356101004	6,0	0,821	4,8	**389**	206	1,2472	400
	550	☑	500	3551356100008	3551356101008	6,5	0,895	5,2	**430**	228	1,2451	400
	600	☑	550	3551356100011	3551356101011	6,9	0,970	5,7	**470**	249	1,2434	400
	750	☑	700	3551356100015	3551356101015	8,3	1,194	6,9	**591**	314	1,2397	600
	1000	☑	950	3551356100019	3551356101019	10,5	1,567	8,9	**792**	421	1,2361	700
1195	400		350	3551356100026	3551356101026	7,9	1,032	6,2	**478**	253	1,2463	500
	450	☑	400	3551356100002	3551356101002	8,6	1,146	6,8	**534**	281	1,2551	500
	500	☑	450	3551356100005	3551356101005	9,3	1,260	7,4	**595**	314	1,2488	600
	550	☑	500	3551356100009	3551356101009	9,9	1,374	8,1	**656**	348	1,2437	600
	600	☑	550	3551356100012	3551356101012	10,6	1,488	8,7	**716**	380	1,2395	700
	750	☑	700	3551356100016	3551356101016	12,7	1,830	10,6	**899**	480	1,2301	900
	1000	☑	950	3551356100020	3551356101020	16,2	2,399	16,7	**1202**	644	1,2207	1200
1411	400		350	3551356100027	3551356101027	9,4	1,238	7,4	**583**	306	1,2596	600
	450	☑	400	3551356100023	3551356101023	10,2	1,375	8,2	**648**	341	1,2583	600
	500	☑	450	3551356100006	3551356101006	11,1	1,513	8,9	**719**	380	1,2498	700
	550	☑	500	3551356100024	3551356101024	11,9	1,650	9,7	**791**	419	1,2429	700
	600	☑	550	3551356100013	3551356101013	12,7	1,788	10,4	**862**	458	1,2371	900
	750	☑	700	3551356100017	3551356101017	15,3	2,200	12,7	**1077**	576	1,2244	1000
	1000	☑	950	3551356100021	3551356101021	19,4	2,880	16,4	**1434**	772	1,2115	1200
1807	400		350	3551356100028	3551356101028	11,9	1,650	9,3	**753**	392	1,2796	700
	450	☑	400	3551356100003	3551356101003	13,0	1,730	10,3	**821**	431	1,2631	700
	500	☑	450	3551356100007	3551356101007	14,0	1,910	11,3	**907**	479	1,2513	900
	550	☑	500	3551356100010	3551356101010	15,1	2,083	12,2	**992**	526	1,2417	1000
	600	☑	550	3551356100014	3551356101014	16,1	2,250	13,2	**1077**	574	1,2336	1000
	750	☑	700	3551356100018	3551356101018	19,3	2,774	16,0	**1333**	716	1,2157	1200
	1000	☑	950	3551356100022	3551356101022	24,5	3,638	20,7	**1760**	955	1,1978	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

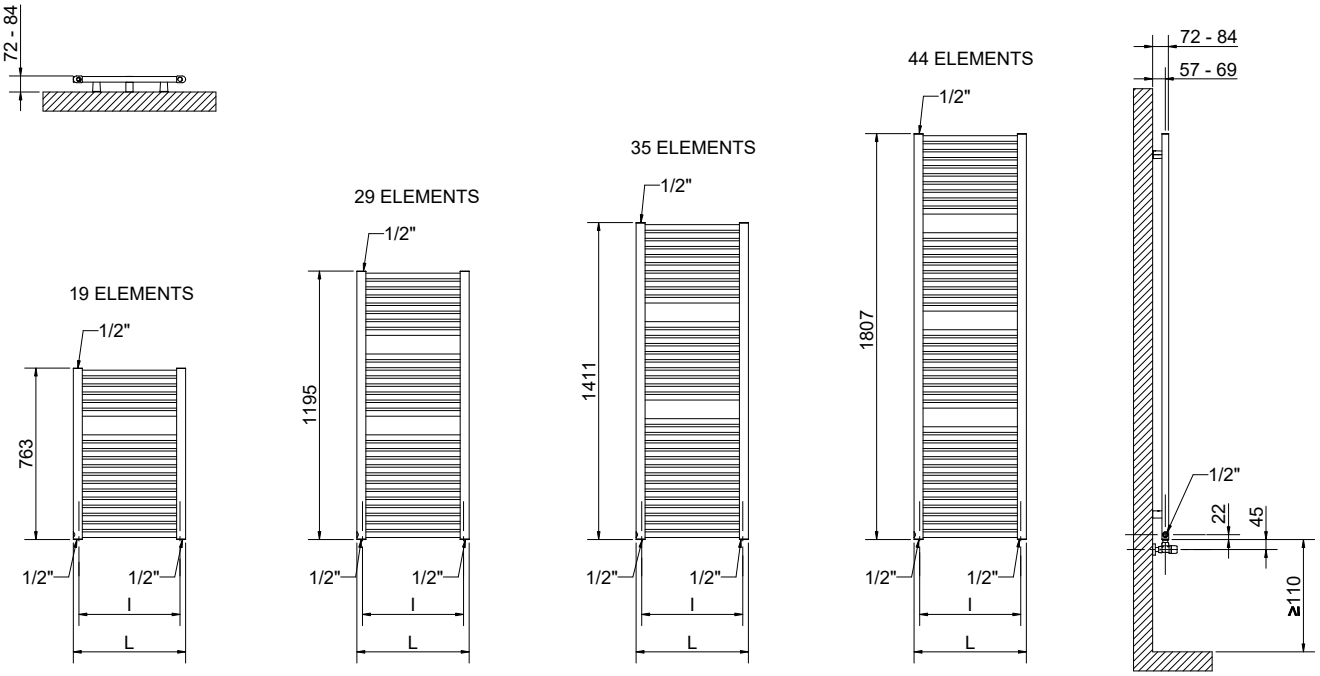


CLAUDIA® AL

WITH 1 LATERAL SLEEVE

WARRANTY **5 YEARS**

Claudia® AL with a 1/2" connection on the collector, in correspondence of the first heating element.



Quotes for Kristal valves

CLAUDIA® AL (LATERAL CONNECTION)

Height	Width	Pipe Centres	Art. nr.	Thermal output						
				Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exponent	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
763	400	350	3551356100725	5,1	0,671	4,0	**316**	169	1,2241	300
	450	400	3551356100701	5,5	0,746	4,4	**349**	184	1,2497	300
	500	450	3551356100704	6,0	0,821	4,8	**389**	206	1,2472	400
	550	500	3551356100708	6,5	0,895	5,2	**430**	228	1,2451	400
	600	550	3551356100711	6,9	0,970	5,7	**470**	249	1,2434	400
	750	700	3551356100715	8,3	1,194	6,9	**591**	314	1,2397	600
	1000	950	3551356100719	10,5	1,567	8,9	**792**	421	1,2361	700
1195	400	350	3551356100726	7,9	1,032	6,2	**478**	253	1,2463	500
	450	400	3551356100702	8,6	1,146	6,8	**534**	281	1,2551	500
	500	450	3551356100705	9,3	1,260	7,4	**595**	314	1,2488	600
	550	500	3551356100709	9,9	1,374	8,1	**656**	348	1,2437	600
	600	550	3551356100712	10,6	1,488	8,7	**716**	380	1,2395	700
	750	700	3551356100716	12,7	1,830	10,6	**899**	480	1,2301	900
	1000	950	3551356100720	16,2	2,399	16,7	**1202**	644	1,2207	1200
1411	400	350	3551356100727	9,4	1,238	7,4	**583**	306	1,2596	600
	450	400	3551356100723	10,2	1,375	8,2	**648**	341	1,2583	600
	500	450	3551356100706	11,1	1,513	8,9	**719**	380	1,2498	700
	550	500	3551356100724	11,9	1,650	9,7	**791**	419	1,2429	700
	600	550	3551356100713	12,7	1,788	10,4	**862**	458	1,2371	900
	750	700	3551356100717	15,3	2,200	12,7	**1077**	576	1,2244	1000
	1000	950	3551356100721	19,4	2,880	16,4	**1434**	772	1,2115	1200
1807	400	350	3551356100728	11,9	1,650	9,3	**753**	392	1,2796	700
	450	400	3551356100703	13,0	1,730	10,3	**821**	431	1,2631	700
	500	450	3551356100707	14,0	1,910	11,3	**907**	479	1,2513	900
	550	500	3551356100710	15,1	2,083	12,2	**992**	526	1,2417	1000
	600	550	3551356100714	16,1	2,250	13,2	**1077**	574	1,2336	1000
	750	700	3551356100718	19,3	2,774	16,0	**1333**	716	1,2157	1200
	1000	950	3551356100722	24,5	3,638	20,7	**1760**	955	1,1978	1200

The codes shown in the table refer to the R01 White color models

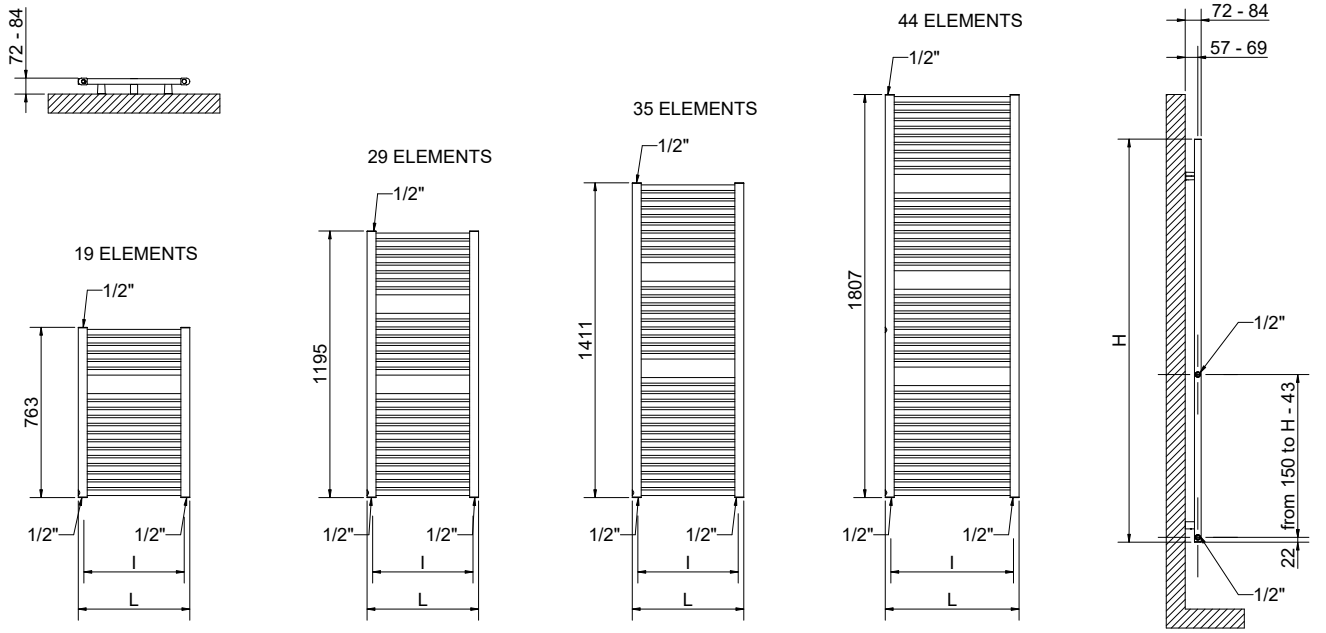
For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**



CLAUDIA®

WITH 2 LATERAL SLEEVES

WARRANTY **5 YEARS**



Quotes for Kristal valves



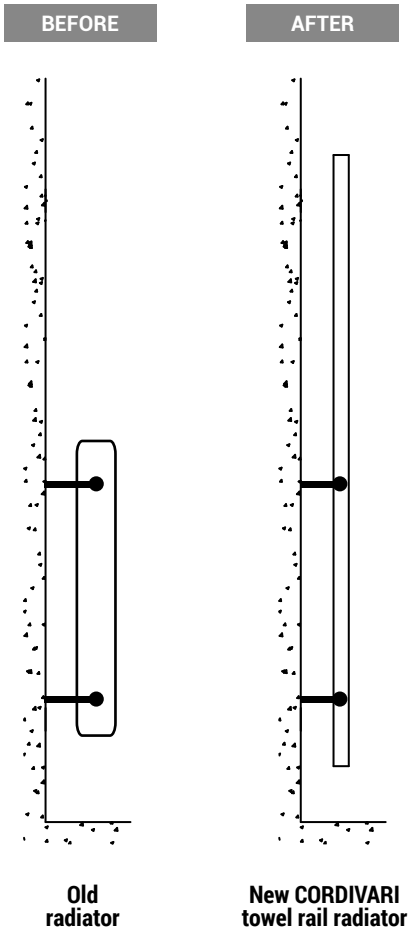
LATERAL CONNECTION (2 SLEEVES ½")

The first connection of ½" is aligned with first heating element (22 mm from the base of the vertical collector).

The second connection of ½" can be placed at the desired distance. The distance has to be specified when sending purchase order.

Available pipes centres: from 150 mm to 43 mm of height.

Please contact our sales department for customized models.



CLAUDIA® SQUARE

WARRANTY **5 YEARS**


Color: F31 Corten brown

MATERIAL:
• 40x40 mm frame collector in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS:

☑ Hot water
☑ Dual energy (see page 350)

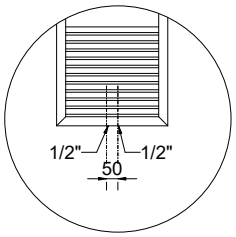
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

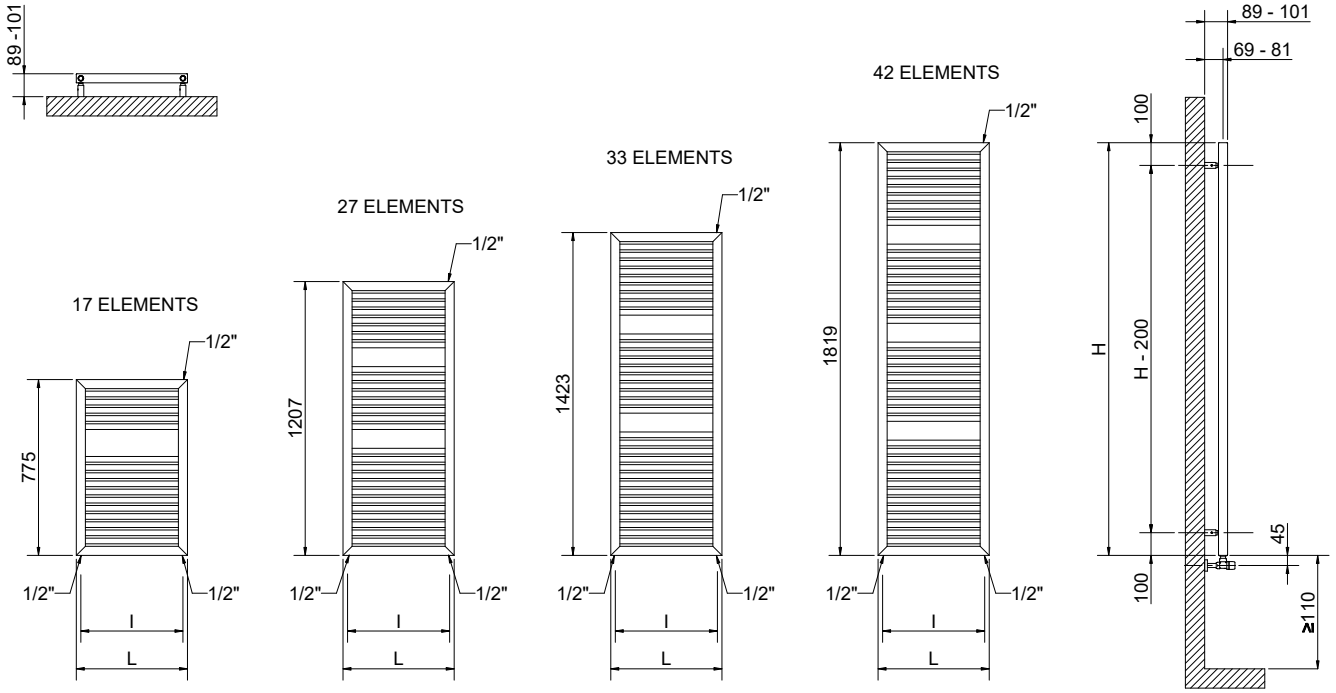

Towel bar in painted mild steel


Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

CLAUDIA® SQUARE

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
775	490	450	3551356100301	3551356100309	7,3	0,860	4,7	**431**	232	1,2076	400
	540	500	3551356100305	3551356100313	7,9	0,938	5,1	**471**	255	1,2051	400
1207	490	450	3551356100302	3551356100310	11,0	1,334	7,2	**673**	360	1,2235	600
	540	500	3551356100306	3551356100314	11,8	1,453	7,9	**738**	395	1,2212	700
1423	490	450	3551356100303	3551356100311	12,9	1,586	8,6	**801**	426	1,2349	700
	540	500	3551356100307	3551356100315	13,8	1,729	9,4	**876**	467	1,2297	700
1819	490	450	3551356100304	3551356100312	16,0	1,988	9,2	**990**	525	1,2414	900
	540	500	3551356100308	3551356100316	17,2	2,163	10,0	**1081**	575	1,2365	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

CLAUDIA® WIDE

WARRANTY **5 YEARS**


Color: S02 Manhattan

MATERIAL:
• 30x40 semi-oval vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

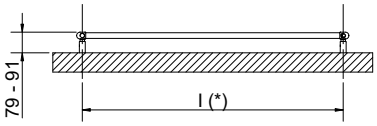
AVAILABLE ACCESSORIES

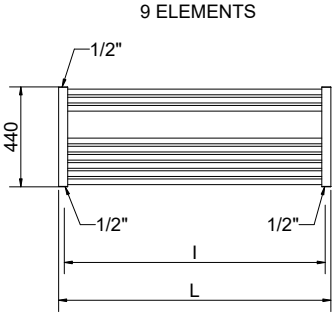

Kristal valve Total Color, angled with thermostatic option, colored

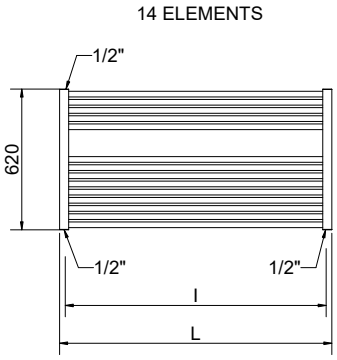

Thermostatic head Kristal TC fully colored

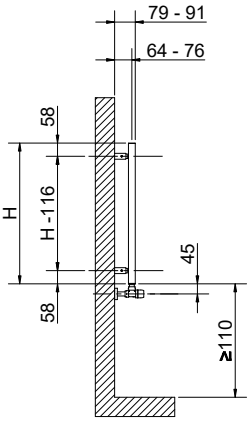

Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.









(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

CLAUDIA® WIDE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
440	1200	1150	**3551356100101**	6,1	0,903	5,1	**471**	261	1,155	400
	1400	1350	**3551356100103**	6,9	1,045	5,9	**558**	311	1,145	400
620	1200	1150	**3551356100102**	9,3	1,389	7,9	**712**	390	1,176	700
	1400	1350	**3551356100104**	10,6	1,609	9,1	**837**	457	1,183	700

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ANNA

WARRANTY **5 YEARS**



Color: RAL 1021 - R05 Yellow rape

MATERIAL:
• 30x40 semi-oval vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

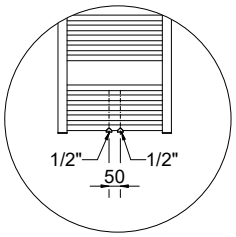


Kristal valve Total Color corner Right or Left with thermostatic option, colored

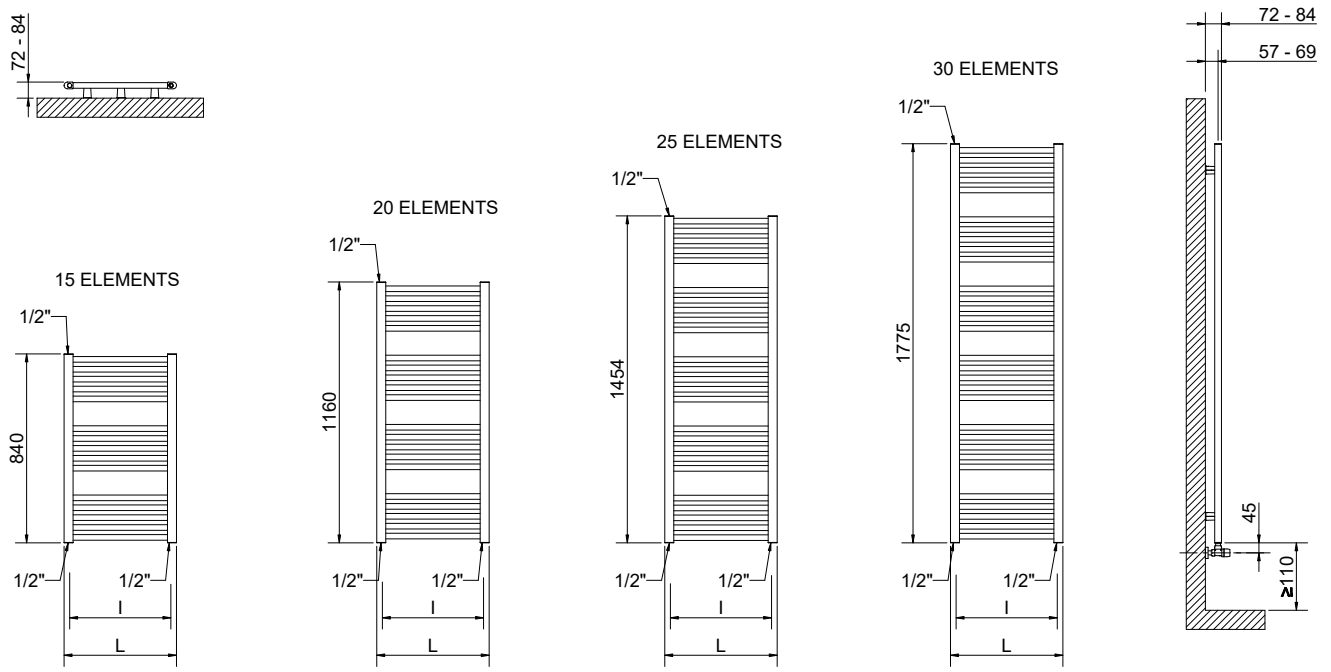


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



Quotes for Kristal valves

ANNA

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
840	400	350	3551686100001	3551686100017	4,7	0,588	3,6	**325**	175	1,2074	300
	450	400	3551686100005	3551686100021	5,1	0,647	3,9	**358**	193	1,2050	300
	500	450	3551686100009	3551686100025	5,4	0,706	4,2	**392**	212	1,2027	400
	550	500	3551686100041	3551686100033	5,8	0,740	4,6	**426**	231	1,2003	400
	600	550	3551686100013	3551686100029	6,1	0,823	4,9	**458**	248	1,1979	400
	750	700	3551686100045	3551686100037	7,2	0,940	5,9	**573**	312	1,1908	600
1160	400	350	3551686100002	3551686100018	6,4	0,797	4,9	**429**	230	1,2169	400
	450	400	3551686100006	3551686100022	6,9	0,876	5,3	**472**	254	1,2155	500
	500	450	3551686100010	3551686100026	7,3	0,954	5,7	**515**	277	1,2142	500
	550	500	3551686100042	3551686100034	7,8	1,000	6,2	**557**	300	1,2128	500
	600	550	3551686100014	3551686100030	8,3	1,111	6,6	**600**	323	1,2115	600
	750	700	3551686100046	3551686100038	9,7	1,300	7,9	**728**	393	1,2074	700
1454	400	350	3551686100003	3551686100019	8,0	0,998	6,1	**534**	287	1,2170	500
	450	400	3551686100007	3551686100023	8,6	1,096	6,7	**586**	315	1,2151	600
	500	450	3551686100011	3551686100027	9,2	1,194	7,2	**639**	344	1,2133	600
	550	500	3551686100043	3551686100035	9,7	1,250	7,7	**692**	373	1,2115	700
	600	550	3551686100015	3551686100031	10,4	1,390	8,3	**744**	401	1,2097	700
	750	700	3551686100047	3551686100039	12,1	1,630	9,9	**902**	488	1,2043	900
1775	400	350	3551686100004	3551686100020	9,7	1,205	7,4	**660**	354	1,2170	600
	450	400	3551686100008	3551686100024	10,4	1,323	8,1	**725**	390	1,2147	700
	500	450	3551686100012	3551686100028	11,1	1,440	8,7	**789**	425	1,2124	700
	550	500	3551686100044	3551686100036	11,7	1,500	9,3	**855**	461	1,2101	900
	600	550	3551686100016	3551686100032	12,4	1,620	10,0	**919**	496	1,2078	900
	750	700	3551686100048	3551686100040	14,5	1,960	11,9	**1114**	603	1,2009	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

NAIKE SQUARE

WARRANTY **5 YEARS**


Color: RAL 9016 - R02 Traffic white

MATERIAL:
• 30x30 mm frame collector in painted mild steel.
• 15x20 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

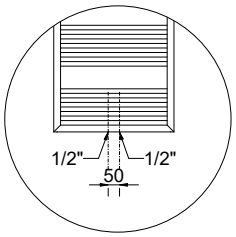
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

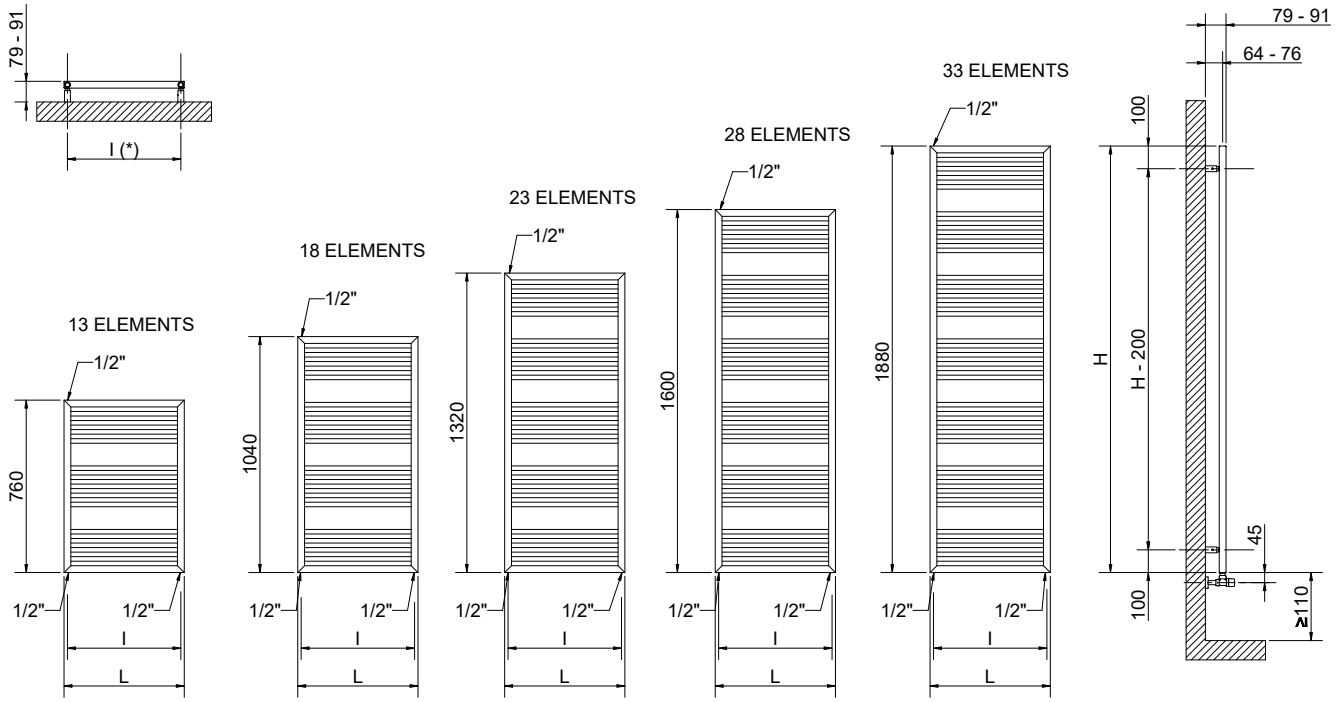

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

NAIKE SQUARE

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
760	480	450	3551826102021	3551826102029	7,00	0,60	2,90	**350**	191	1,1867	300
	530	500	3551826102025	3551826102033	7,60	0,65	3,10	**381**	208	1,1886	300
	580	550	3551826102005	3551826102015	8,20	0,70	3,40	**412**	224	1,1904	400
1040	480	450	3551826102022	3551826102030	9,20	0,80	00,00	**459**	246	1,2193	400
	530	500	3551826102026	3551826102034	10,00	0,85	4,00	**499**	268	1,2142	500
	580	550	3551826102006	3551826102016	10,80	0,92	4,30	**538**	290	1,2092	500
1320	480	450	3551826102002	3551826102012	11,40	0,97	4,60	**568**	303	1,2307	500
	530	500	3551826102004	3551826102014	12,40	1,05	4,90	**617**	330	1,2242	600
	580	550	3551826102008	3551826102018	13,30	1,14	5,20	**667**	358	1,2177	600
1600	480	450	3551826102023	3551826102031	13,70	1,16	5,50	**679**	364	1,2221	600
	530	500	3551826102027	3551826102035	14,80	1,26	5,80	**739**	397	1,2156	700
	580	550	3551826102009	3551826102019	15,90	1,36	6,20	**799**	431	1,2092	700
1880	480	450	3551826102024	3551826102032	15,90	1,35	6,30	**793**	427	1,2135	700
	530	500	3551826102028	3551826102036	17,20	1,46	6,70	**864**	467	1,2071	700
	580	550	3551826102010	3551826102020	18,50	1,57	7,10	**936**	507	1,2007	900

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

NAIKE ST

WARRANTY **5 YEARS**

NEW


Color: T24 Nabuk

MATERIAL:
• 30x30 mm collectors in painted mild steel.
• 15x20 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 114)
- ☑ Dual energy (see page 350)

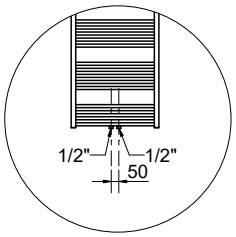
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

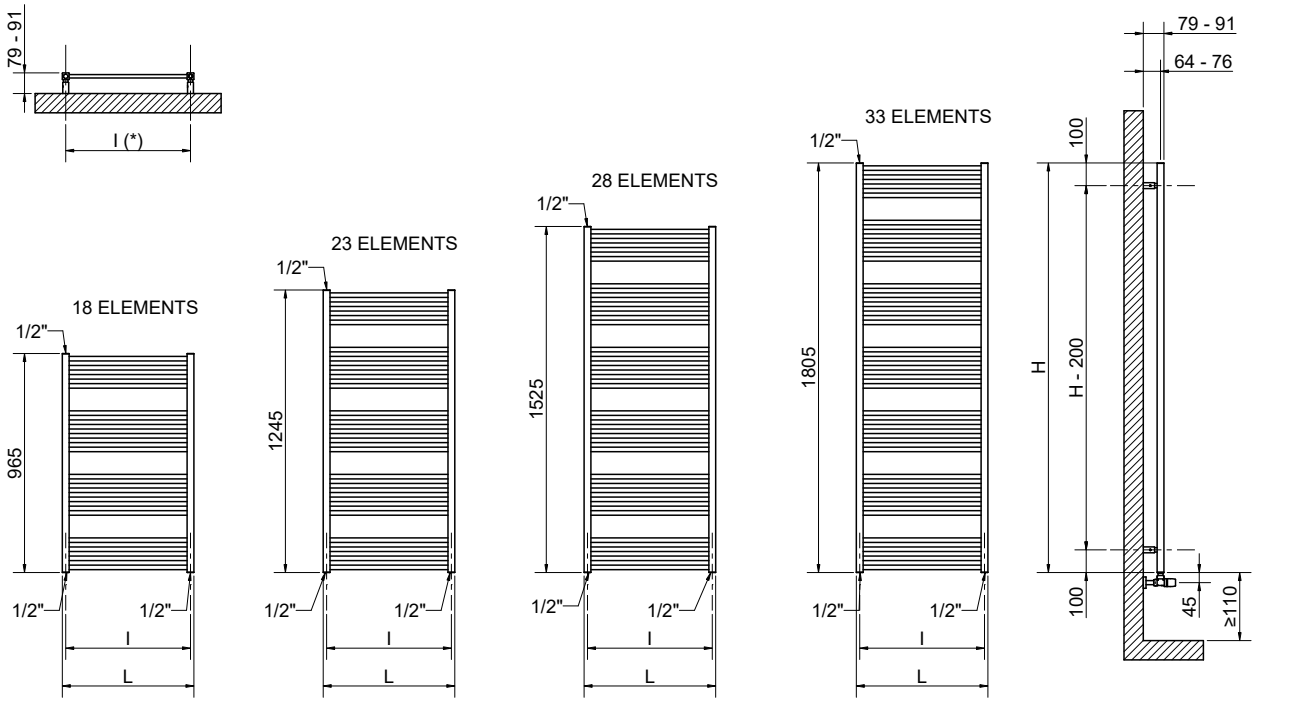

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

NAIKE ST

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
965	430	400	3551826102116	3551826102136	8,2	0,76	3,8	**376**	200	1,2372	300
	480	450	3551826102117	3551826102137	8,8	0,81	4,1	**409**	218	1,234	400
	530	500	3551826102118	3551826102138	9,4	0,87	4,4	**443**	236	1,2313	400
	580	550	3551826102119	3551826102139	10	0,92	4,7	**477**	254	1,229	400
	630	600	3551826102120	3551826102140	10,6	0,98	5	**510**	273	1,2285	500
1245	430	400	3551826102121	3551826102141	10,3	0,87	4,2	**477**	253	1,2414	400
	480	450	3551826102122	3551826102142	11,1	0,94	4,5	**520**	276	1,2392	500
	530	500	3551826102123	3551826102143	11,9	1,01	4,8	**563**	299	1,2373	500
	580	550	3551826102124	3551826102144	12,6	1,09	5,1	**606**	322	1,2357	600
	630	600	3551826102125	3551826102145	13,3	1,16	5,4	**649**	345	1,2354	600
1525	430	400	3551826102126	3551826102146	12,7	0,99	4,6	**579**	307	1,2456	500
	480	450	3551826102127	3551826102147	13,7	1,08	4,9	**632**	335	1,2444	600
	530	500	3551826102128	3551826102148	14,6	1,16	5,2	**685**	363	1,2433	600
	580	550	3551826102129	3551826102149	15,6	1,25	5,5	**738**	391	1,2424	700
	630	600	3551826102130	3551826102150	16,4	1,33	5,8	**790**	419	1,2408	700
1805	430	400	3551826102131	3551826102151	14,8	1,11	5	**684**	361	1,2498	600
	480	450	3551826102132	3551826102152	15,9	1,21	5,3	**747**	395	1,2496	700
	530	500	3551826102133	3551826102153	17	1,31	5,6	**810**	428	1,2493	700
	580	550	3551826102134	3551826102154	18,1	1,46	5,9	**874**	462	1,2492	700
	630	600	3551826102135	3551826102155	19,1	1,51	6,2	**937**	495	1,2488	900

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LUCY 18

WARRANTY **5 YEARS**


Color: RAL 7030 - R22 Grigio pietra

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 18 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 116)
- ☑ Dual energy (see page 350)

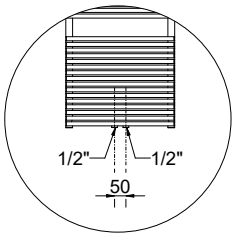
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

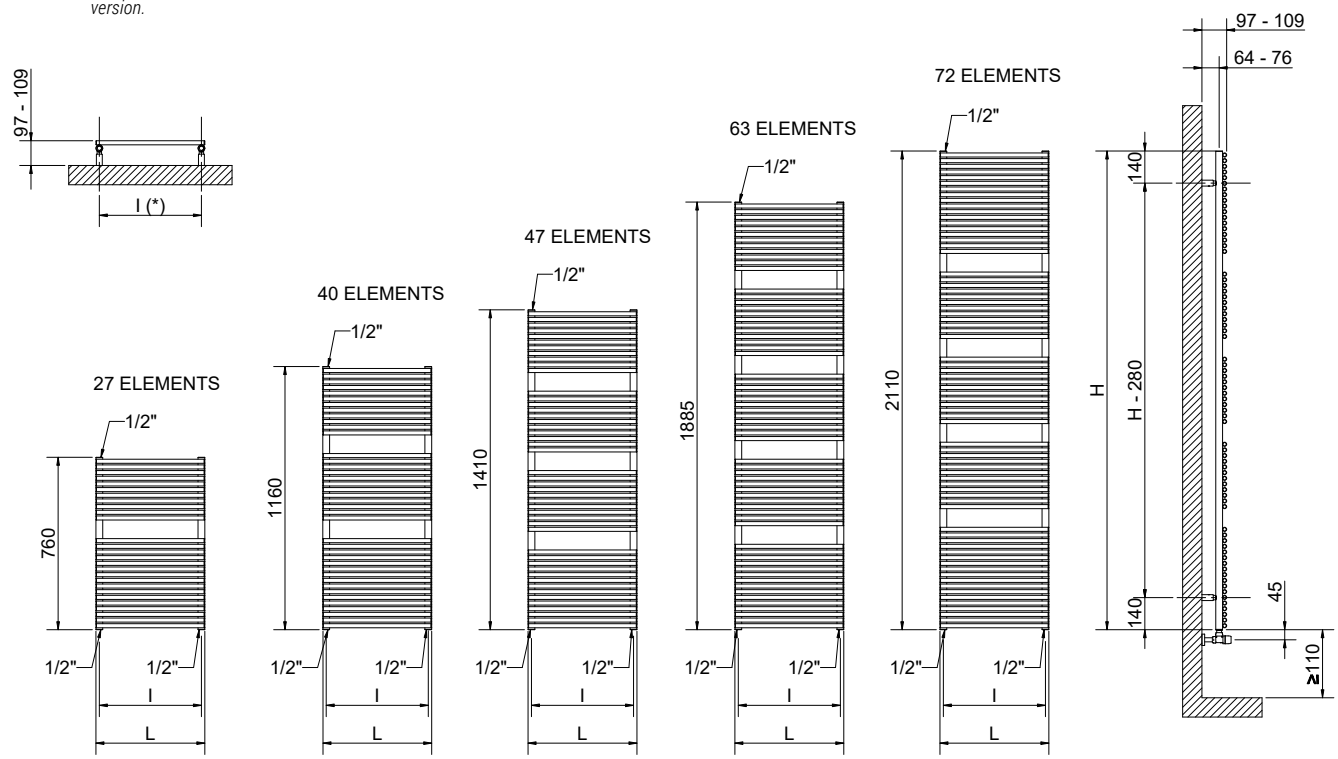

Kit 2 colored hooks


Towel bar in painted mild steel

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LUCY 18

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
760	430	400	3551406100300	3551406100320	6,7	0,75	2,9	**436**	238	1,1839	400
	480	450	3551406100304	3551406100324	8,0	0,88	3,3	**489**	268	1,1780	500
1160	430	400	3551406100301	3551406100321	11,0	1,19	4,6	**631**	341	1,2071	600
	480	450	3551406100305	3551406100325	12,0	1,30	4,9	**705**	383	1,1960	700
	530	500	3551406100308	3551406100328	13,0	1,42	5,3	**779**	425	1,1852	700
	580	550	3551406100312	3551406100332	13,9	1,53	5,7	**852**	468	1,1743	700
1410	430	400	3551406100302	3551406100322	13,0	1,40	5,4	**753**	407	1,2065	700
	480	450	3551406100306	3551406100326	14,2	1,54	5,9	**838**	455	1,1971	700
	530	500	3551406100309	3551406100329	15,3	1,67	6,4	**923**	503	1,1876	900
	580	550	3551406100313	3551406100333	16,5	1,81	6,2	**1008**	552	1,1782	1000
1885	430	400	3551406100303	3551406100323	17,5	1,87	7,3	**986**	533	1,2054	1000
	480	450	3551406100307	3551406100327	19,1	2,07	7,9	**1090**	591	1,1988	1000
	530	500	3551406100310	3551406100330	20,5	2,24	8,5	**1194**	649	1,1922	1200
	580	550	3551406100314	3551406100334	22,2	2,44	9,1	**1298**	708	1,1856	1200
2110	530	500	3551406100311	3551406100331	23,4	2,56	9,7	**1322**	722	1,1853	1200
	580	550	3551406100315	3551406100335	25,2	2,76	10,3	**1438**	788	1,1779	1200
	730	700	3551406100316	3551406100336	30,7	3,38	12,5	**1768**	980	1,1558	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LUCY 18 PLUS

WARRANTY **5 YEARS**


Color: F32 Grey sky

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 18 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

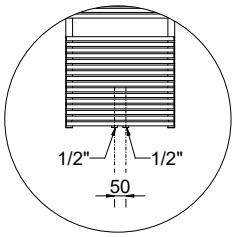
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

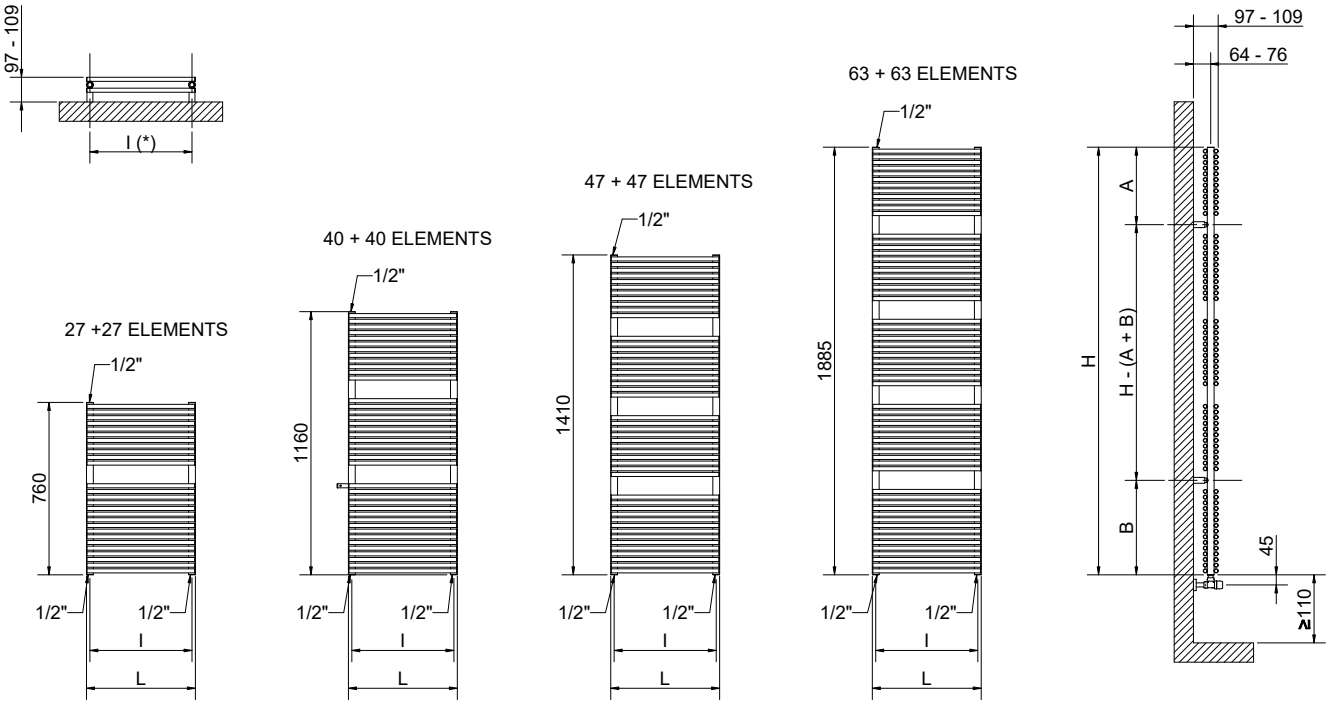

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LUCY 18 PLUS

Height	Width	Pipe Centres	A	B	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	[mm]	[mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
760	430	400	316	67	3551406101300	3551406101314	12,7	1,4	5,1	**565**	298	1,2541	500
	480	450			3551406101304	3551406101318	14,0	1,6	5,6	**711**	377	1,2431	700
1160	430	400	341	441	3551406101301	3551406101315	19,5	1,2	7,9	**821**	432	1,2564	700
	480	450			3551406101305	3551406101319	21,5	2,3	8,7	**1018**	538	1,2495	1000
	530	500			3551406101308	3551406101322	23,5	2,6	9,4	**1215**	643	1,2449	1200
	580	550			3551406101311	3551406101325	25,3	2,8	10,2	**1609**	854	1,2391	1200
1410	430	400	316	391	3551406101302	3551406101316	23,0	2,5	9,4	**957**	503	1,2576	900
	480	450			3551406101306	3551406101320	25,4	2,8	10,2	**1183**	624	1,2529	1200
	530	500			3551406101309	3551406101323	27,2	3,0	11,3	**1421**	750	1,2498	1200
	580	550			3551406101312	3551406101326	30,2	3,3	12,0	**1897**	1004	1,2459	1200
1885	430	400	341	416	3551406101303	3551406101317	31,0	3,4	12,5	**1268**	666	1,2604	1200
	480	450			3551406101307	3551406101321	34,0	3,8	13,7	**1565**	822	1,2608	1200
	530	500			3551406101310	3551406101324	37,2	4,1	14,9	**1861**	977	1,2610	1200
	580	550			3551406101313	3551406101327	40,3	4,5	16,1	**2042**	1072	1,2621	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LUCY 18 WIDE

WARRANTY **5 YEARS**


Color: S07 Grafite

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 18 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

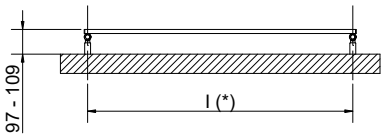
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

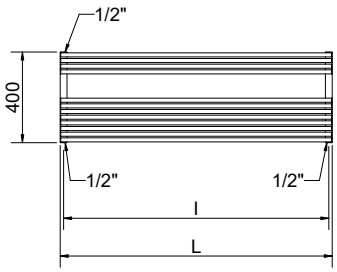

Thermostatic head Kristal TC fully colored


Kit 2 colored hooks

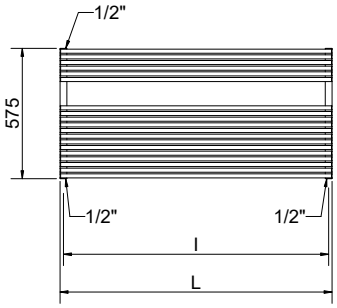
Complete list, codes and details of the ACCESSORIES from page 332.

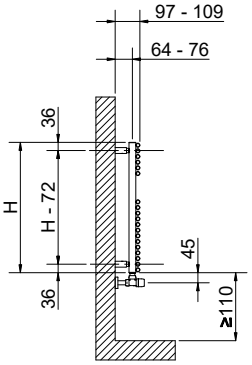


12 ELEMENTS



19 ELEMENTS





(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LUCY 18 WIDE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
400	1200	1170	**3551406100250**	8,1	0,89	3,2	**585**	319	1,18905	400
	1400	1370	**3551406100252**	9,0	1,025	3,6	**701**	383	1,18223	400
575	1200	1170	**3551406100251**	12,6	1,4	5,0	**901**	493	1,1811	700
	1400	1370	**3551406100253**	14,2	1,6	5,7	**1091**	587	1,21455	700

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LUCY 25

WARRANTY **5 YEARS**


Color: F25 Quartz dust

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

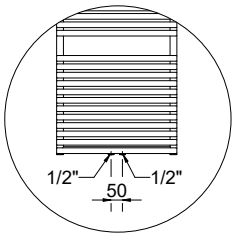
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

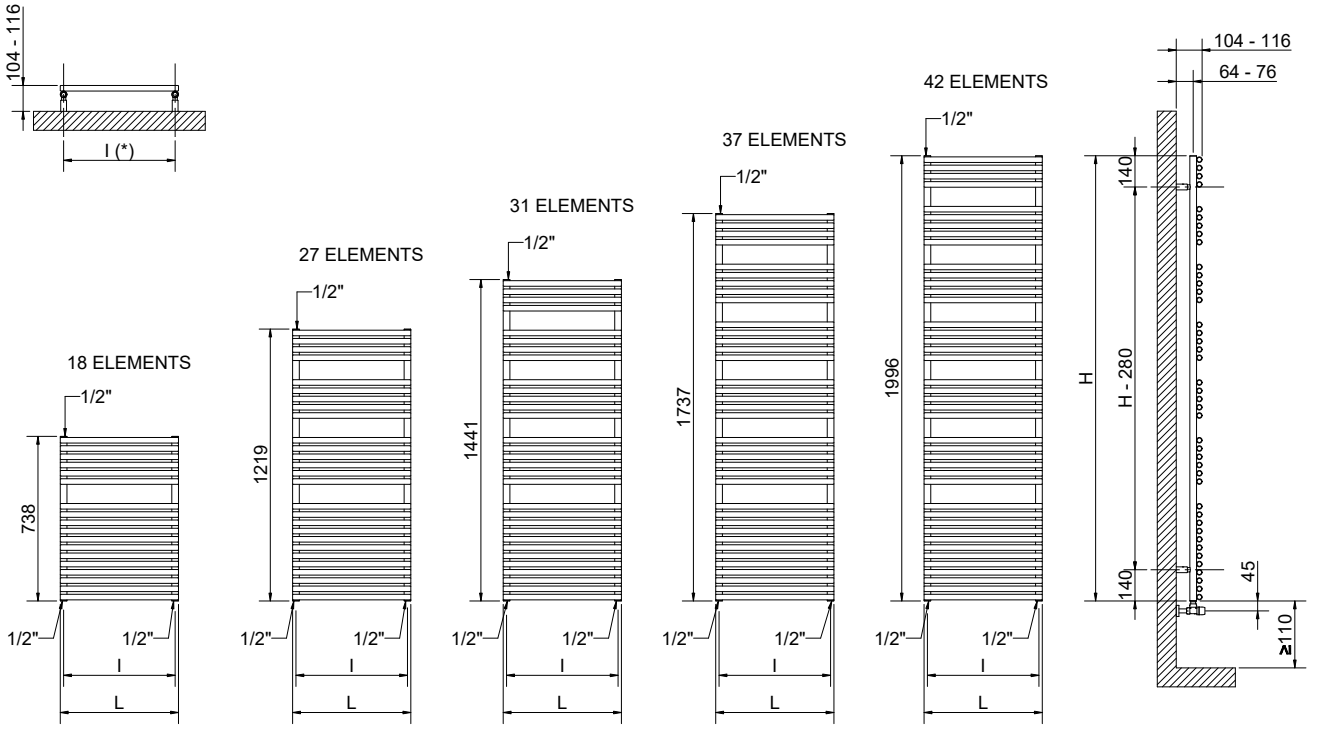

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LUCY 25

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
738	430	400	3551406100340	3551406100360	5,8	0,747	4,1	**384**	210	1,1834	400
	480	450	3551406100344	3551406100364	6,4	0,818	4,5	**430**	235	1,1806	400
1219	430	400	3551406100341	3551406100361	9,0	1,142	6,3	**589**	321	1,1879	600
	480	450	3551406100345	3551406100365	9,8	1,248	6,8	**656**	358	1,1873	600
	530	500	3551406100348	3551406100368	10,6	1,354	7,4	**724**	395	1,1867	700
	580	550	3551406100352	3551406100372	11,4	1,460	8,0	**791**	431	1,1861	700
1441	430	400	3551406100342	3551406100362	10,4	1,319	7,3	**684**	371	1,1993	700
	480	450	3551406100346	3551406100366	11,3	1,440	7,9	**761**	413	1,1942	700
	530	500	3551406100349	3551406100369	12,2	1,562	8,6	**838**	456	1,1891	700
	580	550	3551406100353	3551406100373	13,1	1,684	9,2	**915**	500	1,184	900
1737	430	400	3551406100343	3551406100363	12,4	1,577	8,7	**813**	438	1,2123	700
	480	450	3551406100347	3551406100367	13,5	1,722	9,5	**903**	488	1,206	900
	530	500	3551406100350	3551406100370	14,6	1,868	10,2	**992**	538	1,1997	900
	580	550	3551406100354	3551406100374	15,7	2,013	11,0	**1082**	588	1,1934	1000
1996	530	500	3551406100351	3551406100371	16,6	2,125	11,6	**1131**	610	1,2091	1000
	580	550	3551406100355	3551406100375	17,8	2,289	12,5	**1231**	666	1,2017	1000
	730	700	3551406100356	3551406100376	21,6	2,784	15,1	**1532**	839	1,1798	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LUCY 25 PLUS

WARRANTY **5 YEARS**


Color: F38 Sandstone

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 25 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

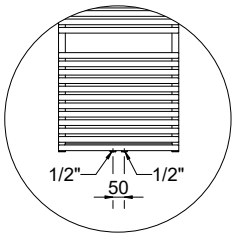
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

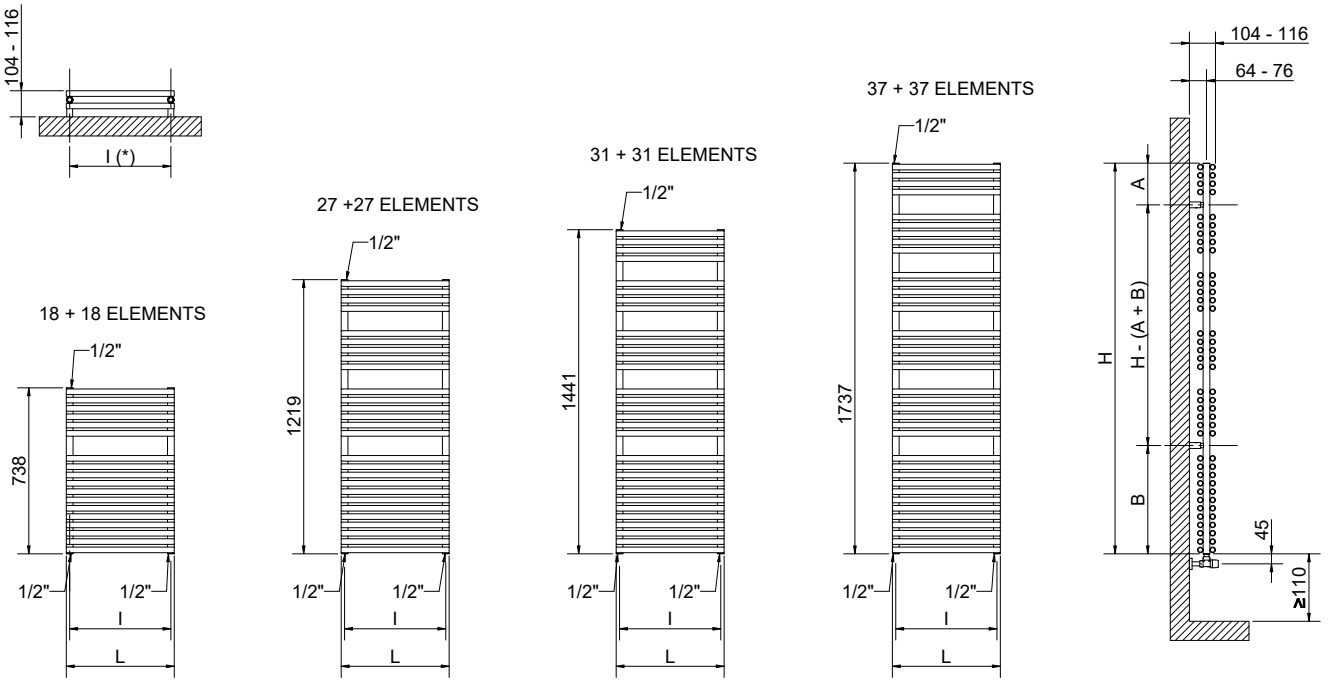

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LUCY 25 PLUS

Height	Width	Pipe Centres	A	B	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	[mm]	[mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
738	430	400	226	911	3551406101400	3551406101414	11,07	1,44	7,76	**543**	294	1,1980	500
	480	450			3551406101404	3551406101418	11,50	1,50	8,06	**611**	331	1,1982	600
1219	430	400	185	481	3551406101401	3551406101415	15,84	2,05	11,11	**816**	434	1,2379	700
	480	450			3551406101405	3551406101419	17,43	2,27	12,23	**915**	487	1,2339	900
	530	500			3551406101408	3551406101422	19,03	2,48	13,35	**1014**	541	1,2300	1000
	580	550			3551406101411	3551406101425	20,63	2,69	14,47	**1112**	595	1,2260	1200
1441	430	400	185	481	3551406101402	3551406101416	18,25	2,37	12,80	**945**	496	1,2618	900
	480	450			3551406101406	3551406101420	20,09	2,61	14,09	**1057**	557	1,2536	1000
	530	500			3551406101409	3551406101423	21,92	2,85	15,38	**1169**	619	1,2455	1200
	580	550			3551406101412	3551406101426	23,76	3,10	16,66	**1282**	681	1,2374	1200
1737	430	400	185	481	3551406101403	3551406101417	21,81	2,83	15,30	**1123**	590	1,2599	1000
	480	450			3551406101407	3551406101421	24,01	3,12	16,84	**1252**	661	1,2521	1200
	530	500			3551406101410	3551406101424	26,20	3,41	18,37	**1382**	732	1,2442	1200
	580	550			3551406101413	3551406101427	28,39	3,70	19,91	**1512**	804	1,2364	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 18

WARRANTY **5 YEARS**


Color: T15 Tela

MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- Ø 18 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

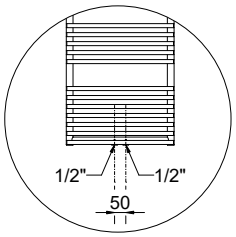


Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

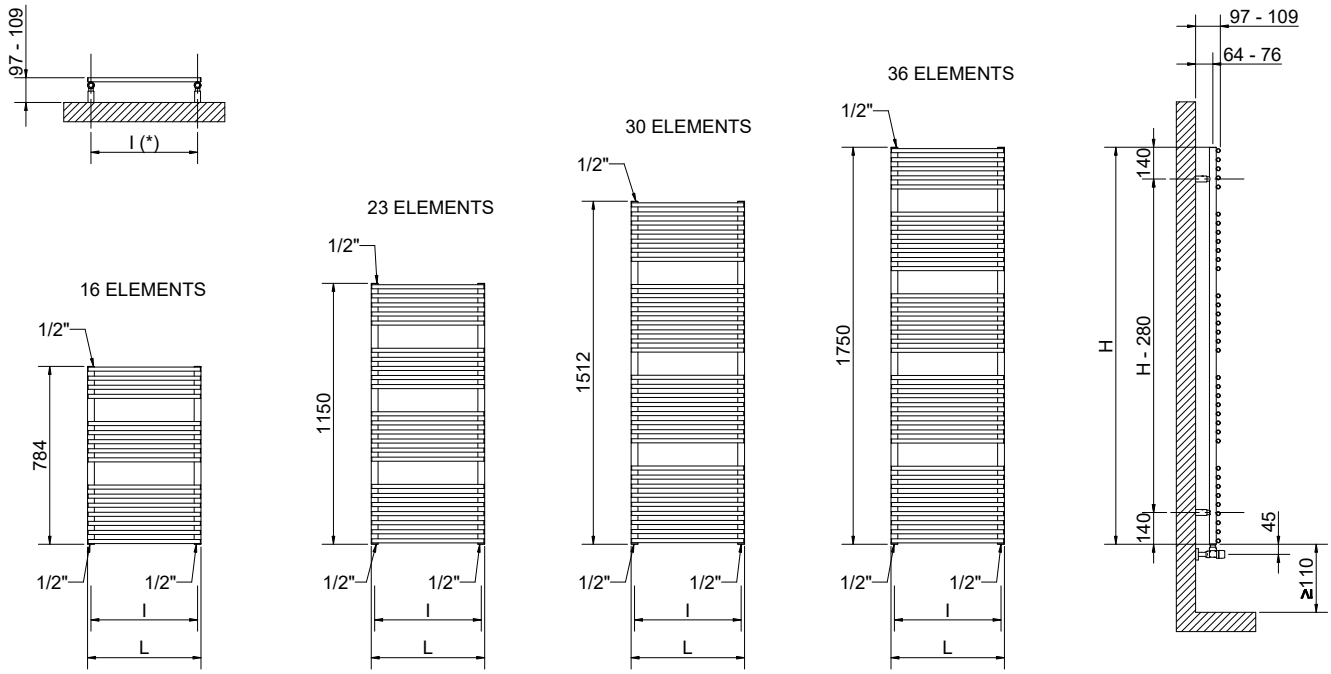


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

GLORIA 18

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
784	430	400	3551666100140	3551666100163	5,1	0,537	2,2	**352**	194	1,1666	300
	480	450	3551666100141	3551666100164	5,5	0,582	2,4	**379**	210	1,1571	300
	530	500	3551666100142	3551666100165	5,6	0,627	2,6	**406**	226	1,1476	400
	580	550	3551666100143	3551666100166	6,3	0,673	2,7	**433**	242	1,1382	400
1150	430	400	3551666100145	3551666100168	7,3	0,77	3,2	**483**	262	1,1981	500
	480	450	3551666100146	3551666100169	7,9	0,84	3,4	**524**	285	1,1927	500
	530	500	3551666100147	3551666100170	8	0,906	3,7	**566**	309	1,1873	600
	580	550	3551666100148	3551666100171	9,1	0,971	3,8	**608**	332	1,1818	600
1500	430	400	3551666100150	3551666100173	10	1,063	4,4	**628**	338	1,2138	600
	480	450	3551666100151	3551666100174	10,8	1,154	4,7	**685**	369	1,2111	700
	530	500	3551666100152	3551666100175	11	1,238	5	**743**	401	1,2084	700
	580	550	3551666100153	3551666100176	12,4	1,335	5,3	**800**	432	1,2056	700
1750	430	400	3551666100155	3551666100178	11,4	1,205	5	**734**	393	1,2242	700
	480	450	3551666100156	3551666100179	12,3	1,307	5,3	**803**	430	1,2232	700
	530	500	3551666100157	3551666100180	12,5	1,409	5,7	**871**	467	1,2223	900
	580	550	3551666100158	3551666100181	14,1	1,511	6	**940**	504	1,2213	900

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 22

WARRANTY **5 YEARS**


Color: S02 Manhattan

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 22 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 118)
- ☑ Dual energy (see page 350)
- ☑ Blower (see page 144)
- ☑ Blower dual energy (see page 146)

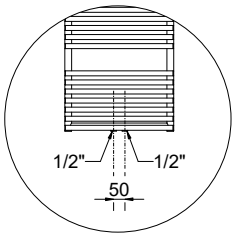
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

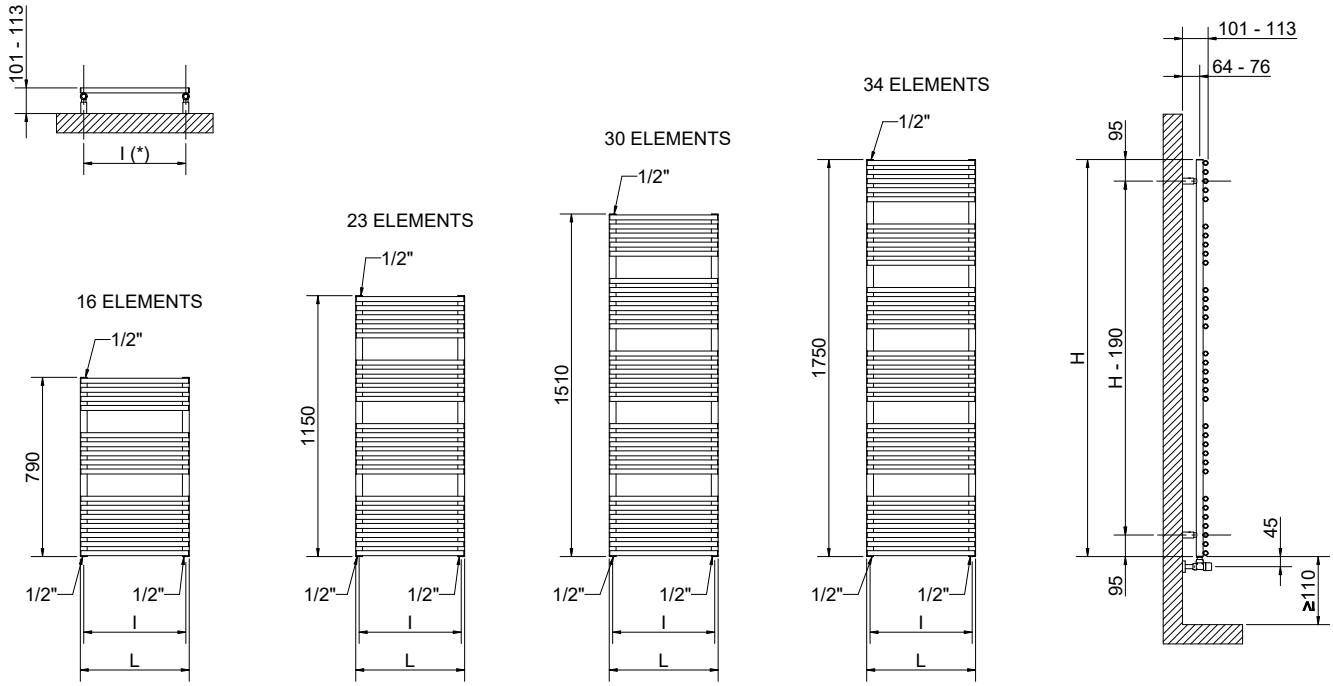

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

GLORIA 22

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
790	430	400	3551666100101	3551666100121	6,1	0,61	3,0	**364**	203	1,1424	300
	480	450	3551666100102	3551666100122	6,6	0,66	3,1	**401**	224	1,1395	400
1150	430	400	3551666100103	3551666100123	8,8	0,88	4,2	**516**	285	1,1626	500
	480	450	3551666100104	3551666100124	9,5	0,95	4,6	**567**	314	1,1571	500
	530	500	3551666100105	3551666100125	10,2	1,03	5,0	**617**	343	1,1516	600
	580	550	3551666100106	3551666100126	10,9	1,10	5,3	**668**	372	1,1460	700
	630	600	3551666100107	3551666100127	11,8	1,18	5,7	**719**	402	1,1405	700
1510	430	400	3551666100108	3551666100128	11,4	1,14	5,5	**668**	368	1,1684	700
	480	450	3551666100109	3551666100129	12,3	1,25	6,3	**732**	404	1,1645	700
	530	500	3551666100110	3551666100130	13,2	1,32	6,5	**796**	440	1,1606	700
	580	550	3551666100111	3551666100131	14,2	1,44	6,9	**860**	476	1,1568	900
	630	600	3551666100112	3551666100132	15,0	1,53	7,3	**924**	513	1,1529	900
1750	480	450	3551666100113	3551666100133	14,0	1,41	6,9	**842**	463	1,1694	700
	530	500	3551666100114	3551666100134	15,1	1,52	7,4	**915**	504	1,1666	900
	580	550	3551666100115	3551666100135	16,1	1,64	7,9	**989**	546	1,1638	1000
	630	600	3551666100116	3551666100136	17,1	1,75	8,4	**1062**	587	1,1610	1000
	730	700	3551666100117	3551666100137	19,2	1,97	9,4	**1208**	670	1,1554	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 22 PLUS

WARRANTY **5 YEARS**


Color: S07 Grafite

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 22 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

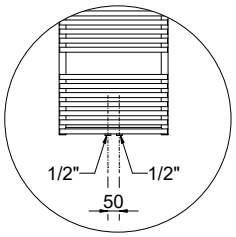
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

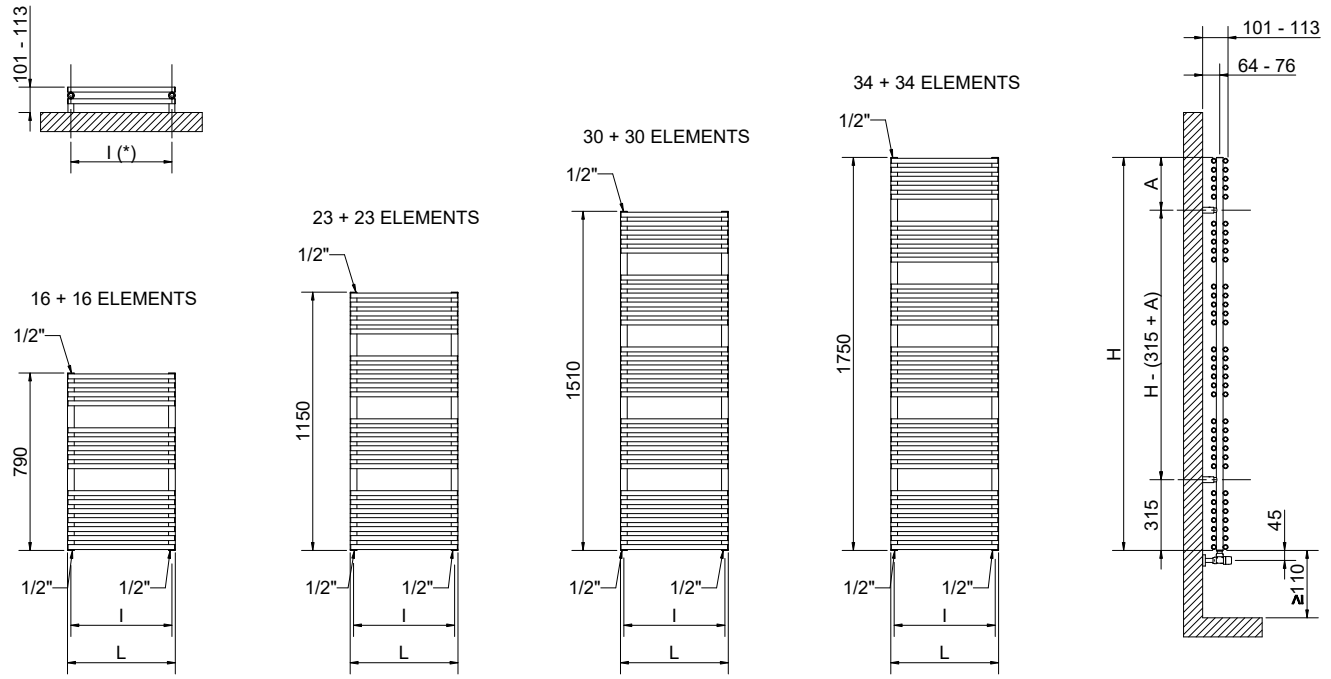

Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

GLORIA 22 PLUS

Height	Width	Pipe Centres	A	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	l [mm]	[mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
790	430	400	195	3551666100201	3551666100221	8,48	1,10	5,26	**527**	287	1,1925	600
	480	450		3551666100202	3551666100222	9,30	1,21	5,77	**591**	321	1,1925	700
1150	430	400	235	3551666100203	3551666100223	12,21	1,58	7,59	**735**	396	1,2129	900
	480	450		3551666100204	3551666100224	13,40	1,74	8,31	**824**	444	1,2121	900
	530	500		3551666100205	3551666100225	14,59	1,90	9,03	**913**	492	1,2114	900
	580	550		3551666100206	3551666100226	15,79	2,06	9,75	**1002**	540	1,2106	1200
	630	600		3551666100207	3551666100227	16,98	2,22	10,48	**1091**	588	1,2099	1200
1510	430	400	235	3551666100208	3551666100228	15,94	2,07	9,91	**955**	510	1,2272	900
	480	450		3551666100209	3551666100229	17,50	2,27	10,85	**1072**	574	1,2219	1200
	530	500		3551666100210	3551666100230	19,05	2,48	11,79	**1186**	637	1,2166	1200
	580	550		3551666100211	3551666100231	20,61	2,69	12,74	**1302**	701	1,2114	1200
	630	600		3551666100212	3551666100232	22,16	2,90	13,68	**1417**	765	1,2061	1200
1750	480	450	235	3551666100213	3551666100233	19,90	2,59	12,34	**1245**	665	1,2284	1200
	530	500		3551666100214	3551666100234	21,66	2,82	13,41	**1379**	739	1,2201	1200
	580	550		3551666100215	3551666100235	23,42	3,06	14,48	**1514**	815	1,2119	1200
	630	600		3551666100216	3551666100236	25,19	3,29	15,55	**1649**	892	1,2036	1200
	730	700		3551666100217	3551666100237	28,71	3,76	17,69	**1918**	1046	1,1870	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 22

CHROMED

EUROPEAN **WARRANTY**



MATERIAL:
• Ø 30 mm vertical collectors in chromed mild steel.
• Ø 22 mm horizontal heating elements in chromed mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

FINISHING:
Chromed (PLATED IN ITALY).

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

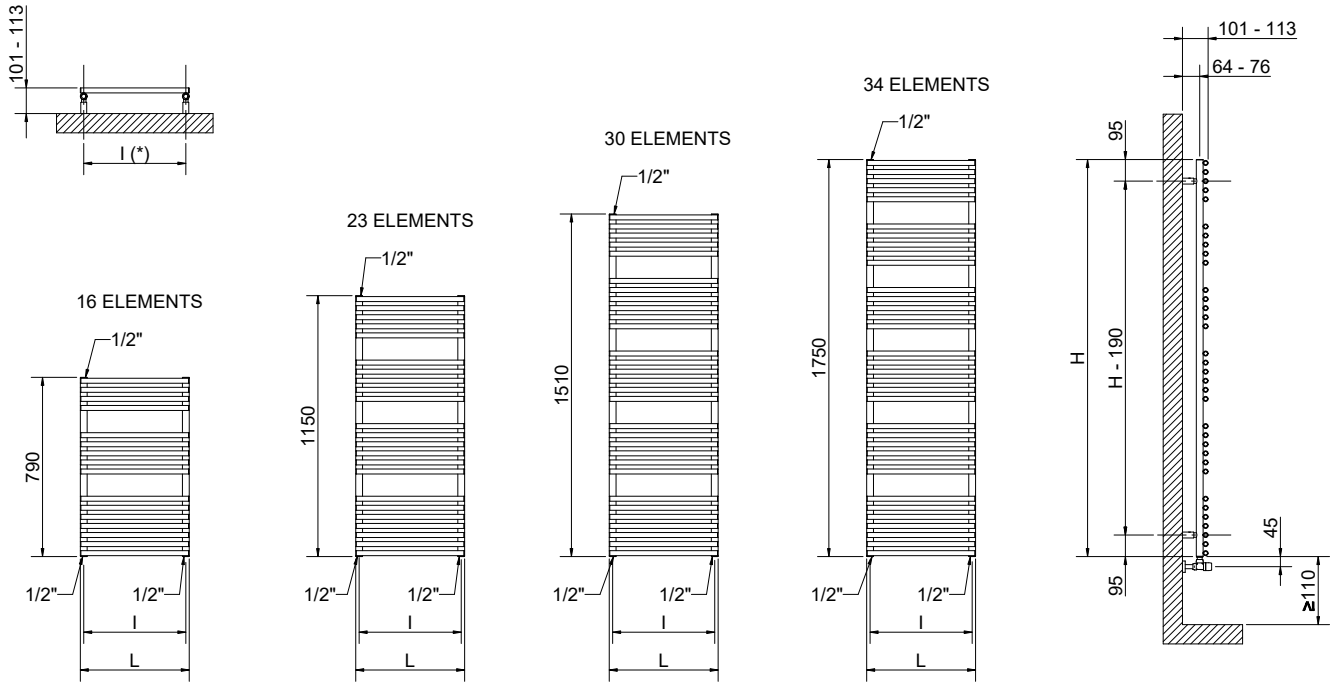


Kristal valve corner Right or Left thermostatic option chromed



Thermostatic head Kristal TC chromed

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

GLORIA 22 CHROMED

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output Δt 50°C	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
790	430	400	**3551666101101**	6,1	0,61	3,0	**279**	151	1,1983	-
	480	450	**3551666101102**	6,6	0,66	3,1	**302**	164	1,1941	300
1150	430	400	**3551666101103**	8,8	0,88	4,2	**392**	209	1,2348	400
	480	450	**3551666101104**	9,5	0,95	4,6	**426**	228	1,2250	400
	530	500	**3551666101105**	10,2	1,03	5,0	**460**	247	1,2153	400
	580	550	**3551666101106**	10,9	1,10	5,3	**494**	267	1,2055	500
	630	600	**3551666101107**	11,8	1,18	5,7	**528**	287	1,1958	500
1510	430	400	**3551666101108**	11,4	1,41	5,5	**502**	268	1,2281	500
	480	450	**3551666101109**	12,3	1,25	6,3	**546**	292	1,2219	500
	530	500	**3551666101110**	13,2	1,32	6,5	**591**	318	1,2157	600
	580	550	**3551666101111**	14,2	1,44	6,9	**636**	343	1,2095	600
	630	600	**3551666101112**	15,0	1,53	7,3	**680**	368	1,2033	700
1750	480	450	**3551666101113**	6,8	1,41	6,7	**626**	336	1,2198	600
	530	500	**3551666101114**	7,3	1,50	7,4	**678**	364	1,2160	700
	580	550	**3551666101115**	7,9	1,63	7,9	**730**	393	1,2123	700
	630	600	**3551666101116**	8,4	1,75	8,4	**782**	422	1,2085	700
	730	700	**3551666101117**	8,9	1,86	8,9	**886**	480	1,2009	900

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 22 WIDE

WARRANTY **5 YEARS**


Color: RAL 9005 - R13 Nero

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 22 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

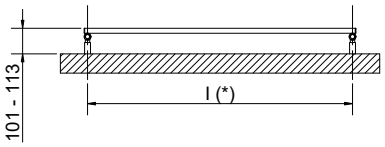
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

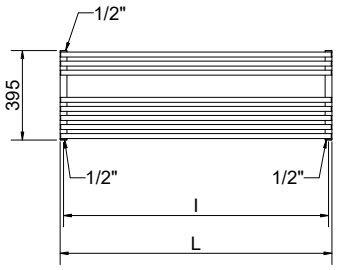

Thermostatic head Kristal TC fully colored


Thermostatic head Kristal TC chromed

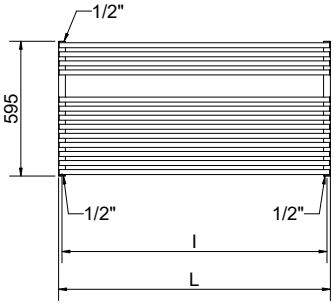
Complete list, codes and details of the ACCESSORIES from page 332.

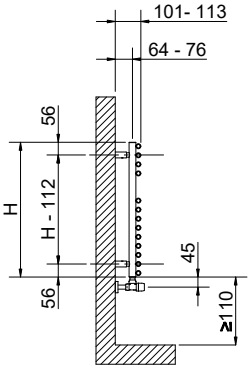


8 ELEMENTS



13 ELEMENTS





(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

GLORIA 22 WIDE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
395	1200	1170	3551666100001	6,7	0,73	3,5	**488**	268	1,1717	400
	1400	1370	3551666100003	7,7	0,85	3,8	**565**	308	1,1860	400
595	1200	1170	3551666100002	10,8	1,9	5,3	**788**	425	1,2070	700
	1400	1370	3551666100004	12,4	1,37	6,2	**911**	495	1,1954	700

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

DORY

WARRANTY **5 YEARS**


Color: RAL 1013 - R40 Pearl white

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE · EURONORM EN 442-1 RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH · NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 120)
- ☑ Dual energy (see page 350)
- ☑ Blower (see page 148)
- ☑ Blower dual energy (see page 150)

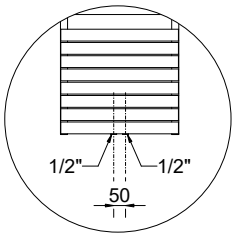
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

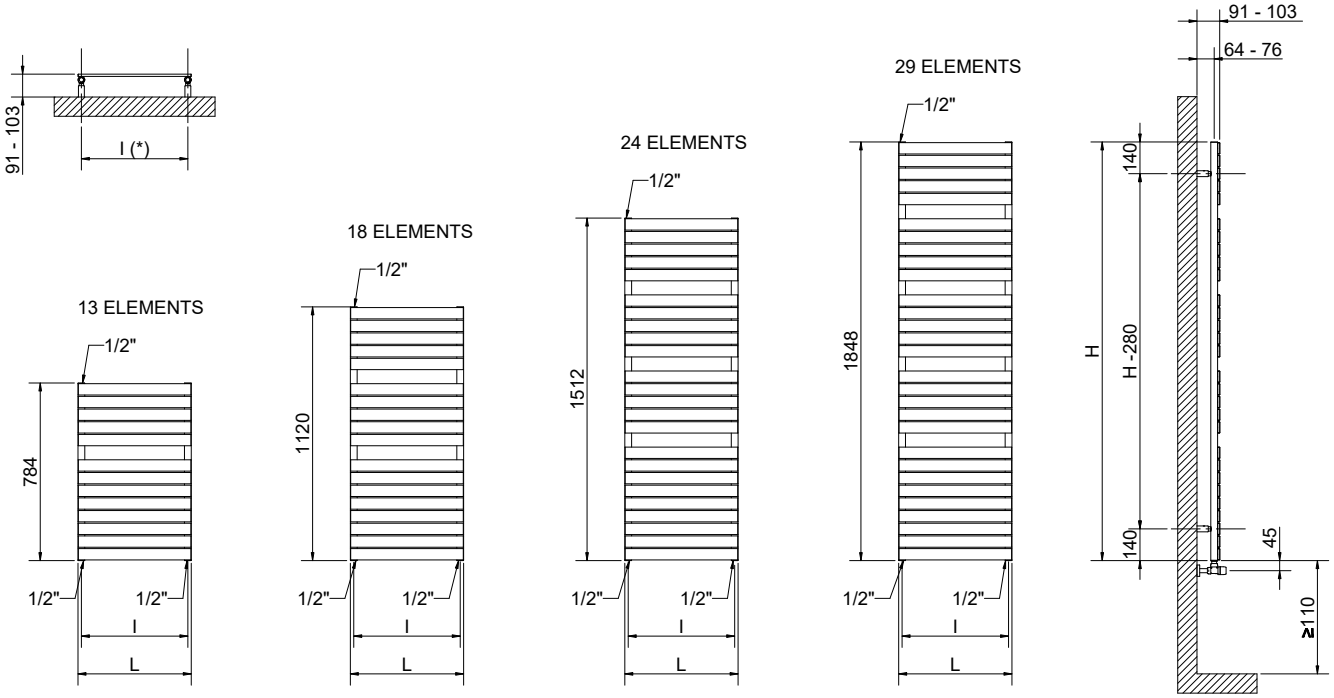

Towel bar in painted mild steel


Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

DORY

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
784	400	370	3551426100200	3551426100230	7,3	0,772	2,8	**355**	195	1,1761	300
	500	470	3551426100210	3551426100240	8,7	0,928	3,2	**442**	243	1,1679	400
1120	400	370	3551426100201	3551426100231	10,2	1,075	3,9	**482**	265	1,1741	500
	500	470	3551426100211	3551426100241	12,1	1,291	4,5	**592**	326	1,1693	600
	600	570	3551426100221	3551426100251	14,1	1,507	5,2	**702**	387	1,1660	700
1512	400	370	3551426100202	3551426100232	13,6	1,437	5,2	**631**	347	1,1716	600
	500	470	3551426100212	3551426100242	16,2	1,725	6,1	**767**	422	1,1709	700
	600	570	3551426100222	3551426100252	18,8	2,013	6,9	**904**	497	1,1704	900
1848	400	370	3551426100203	3551426100233	16,5	1,740	6,3	**751**	413	1,1696	700
	500	470	3551426100213	3551426100243	19,6	2,088	7,4	**911**	501	1,1722	900
	600	570	3551426100223	3551426100253	22,8	2,436	8,4	**1071**	588	1,1740	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

DARIA

WARRANTY **5 YEARS**

NEW



MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

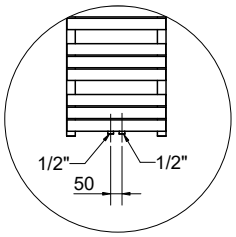


Towel bar in painted mild steel

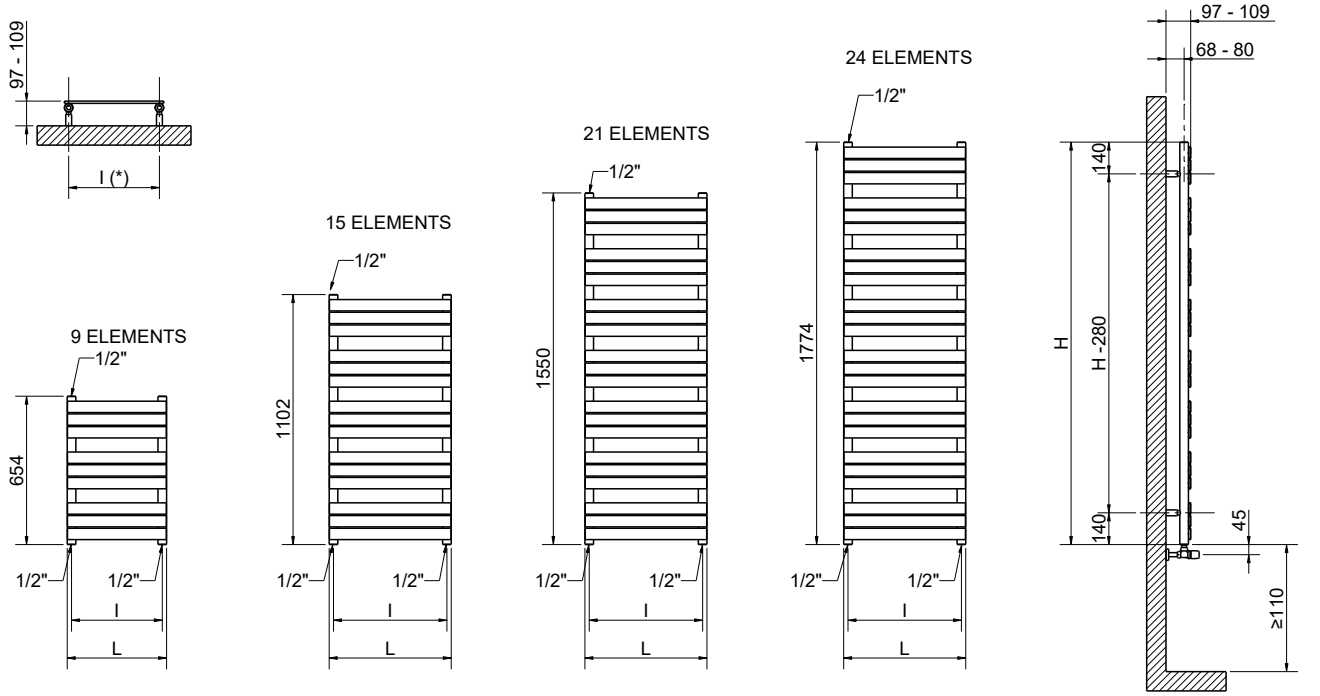


Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

DARIA

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
654	438	400	3551426100254	3551426100270	6,9	0,61	2,7	**309**	166	1,21439	300
	488	450	3551426100286	3551426100290	7,4	0,66	2,9	**337**	182	1,20809	300
1102	438	400	3551426100255	3551426100271	11	1,01	4,6	**489**	259	1,24371	500
	488	450	3551426100287	3551426100291	11,9	1,1	4,8	**533**	283	1,24099	500
	538	500	3551426100259	3551426100275	12,7	1,18	5,1	**578**	307	1,23827	600
	638	600	3551426100263	3551426100279	14,4	1,35	5,6	**667**	355	1,23282	600
	788	750	3551426100267	3551426100283	17	1,6	6,5	**800**	428	1,22466	700
1550	438	400	3551426100256	3551426100272	15,1	1,42	6,4	**663**	356	1,2173	700
	488	450	3551426100288	3551426100292	16,3	1,53	6,8	**728**	390	1,21974	700
	538	500	3551426100260	3551426100276	17,5	1,65	7,2	**793**	425	1,22218	700
	638	600	3551426100264	3551426100280	19,9	1,89	7,9	**922**	493	1,22707	900
	788	750	3551426100268	3551426100284	23,5	2,24	9	**1116**	594	1,23439	1000
1774	438	400	3551426100257	3551426100273	17,2	1,62	7,3	**768**	407	1,24052	700
	488	450	3551426100289	3551426100293	18,6	1,75	7,7	**839**	446	1,23706	700
	538	500	3551426100261	3551426100277	19,9	1,89	8,2	**910**	484	1,2336	900
	638	600	3551426100265	3551426100281	22,6	2,16	9	**1052**	562	1,22667	1000
	788	750	3551426100269	3551426100285	26,7	2,56	10,3	**1264**	679	1,21629	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KATIA VXn

WARRANTY **5 YEARS**

NEW


Color: F51 Pozzolana

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 20x15 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

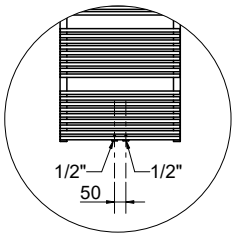
AVAILABLE ACCESSORIES


Kristal valve Total Color, angled with thermostatic option, colored

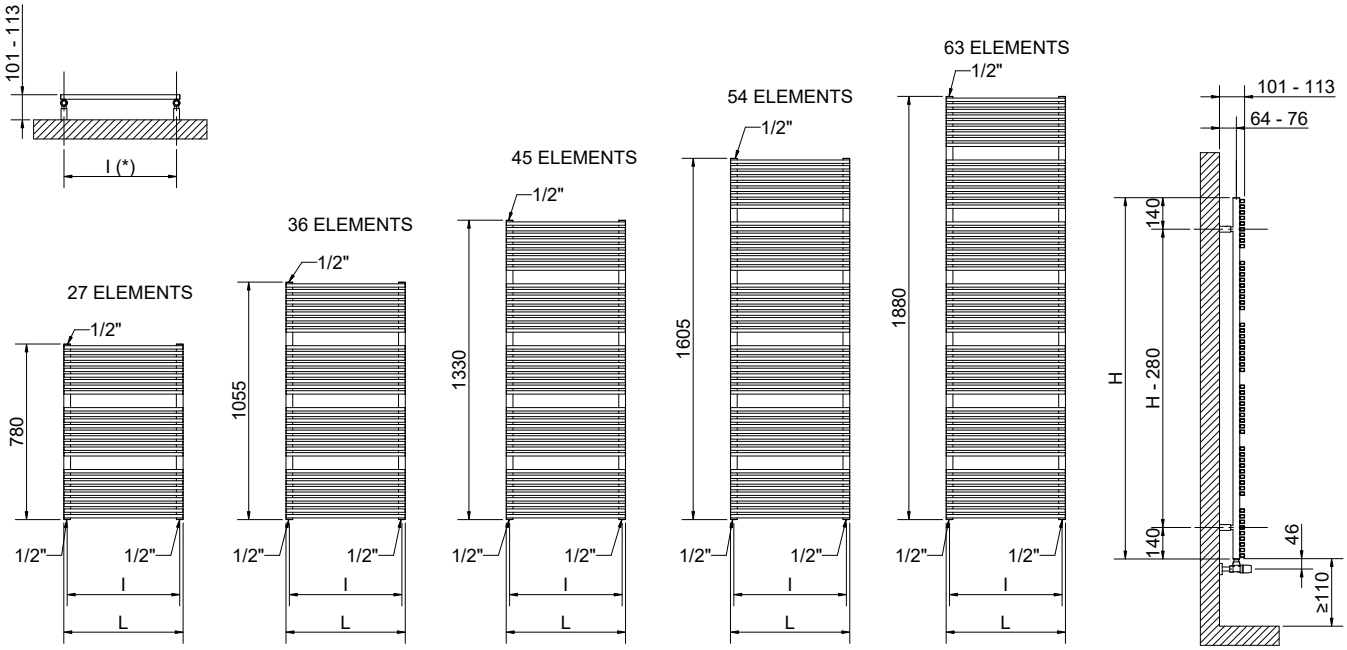

Towel bar in painted mild steel


Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

KATIA VXn

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
780	430	400	3551826101015	3551826101115	9,7	0,89	3,5	**450**	241	1,22387	400
	480	450	3551826101016	3551826101116	10,5	0,98	3,8	**504**	271	1,21655	500
	530	500	3551826101017	3551826101117	11,4	1,06	4,1	**559**	301	1,20922	500
1055	430	400	3551826101018	3551826101118	12,7	1,19	4,7	**574**	304	1,24285	500
	480	450	3551826101019	3551826101119	13,9	1,31	5,1	**647**	345	1,23109	600
	530	500	3551826101020	3551826101120	15,1	1,42	5,5	**719**	386	1,21932	700
	630	600	3551826101021	3551826101121	17,4	1,65	6,3	**863**	469	1,1958	700
	780	750	3551826101022	3551826101122	20,8	1,99	7,5	**1080**	597	1,16051	1000
1330	430	400	3551826101023	3551826101123	15,9	1,49	5,9	**705**	373	1,24485	700
	480	450	3551826101024	3551826101124	17,3	1,63	6,4	**792**	422	1,23263	700
	530	500	3551826101025	3551826101125	18,8	1,78	6,9	**879**	471	1,22042	700
	630	600	3551826101026	3551826101126	21,7	2,06	7,9	**1054**	572	1,19599	1000
	780	750	3551826101027	3551826101127	25,9	2,49	9,3	**1315**	728	1,15934	1200
1605	430	400	3551826101028	3551826101128	19	1,79	7	**843**	446	1,24684	700
	480	450	3551826101029	3551826101129	20,7	1,96	7,6	**943**	502	1,23417	900
	530	500	3551826101030	3551826101130	22,4	2,13	8,2	**1042**	558	1,22151	1000
	630	600	3551826101031	3551826101131	25,9	2,48	9,4	**1241**	674	1,19618	1200
	780	750	3551826101032	3551826101132	31	2,99	11,2	**1540**	852	1,15818	1200
1880	430	400	3551826101033	3551826101133	22	2,09	8,2	**992**	523	1,25256	900
	480	450	3551826101034	3551826101134	23,9	2,29	8,9	**1101**	585	1,23871	1000
	530	500	3551826101035	3551826101135	26	2,49	9,6	**1209**	647	1,22485	1200
	630	600	3551826101036	3551826101136	30	2,89	11	**1427**	774	1,19714	1200
	780	750	3551826101037	3551826101137	36	3,49	13,1	**1753**	972	1,15558	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KATIA VXn PLUS

WARRANTY **5 YEARS**

NEW


Color: F52 Marrakech light

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 20x15 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

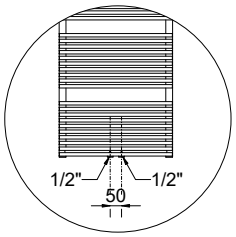


Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

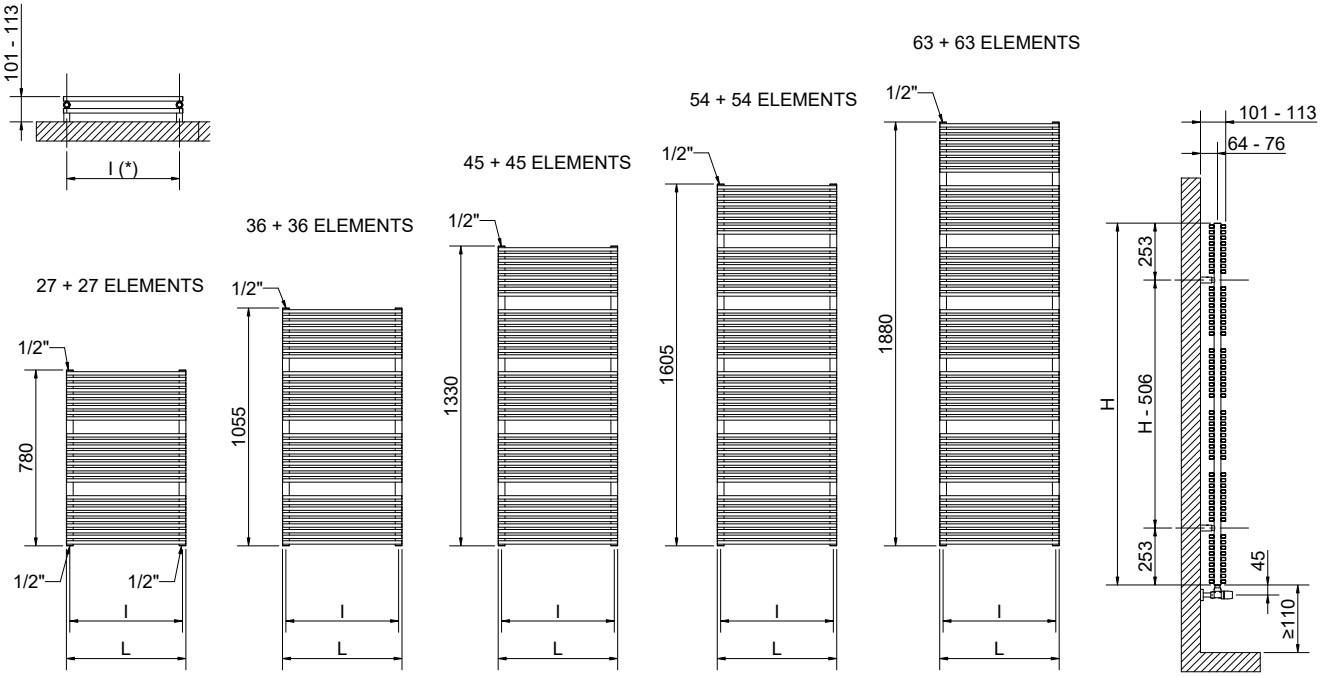


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

KATIA VXn PLUS

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
780	430	400	3551826100001	3551826100129	17,1	1,64	6,1	**617**	327	1,2388	600
	480	450	3551826100002	3551826100130	18,8	1,81	6,7	**691**	368	1,23471	600
	530	500	3551826100003	3551826100131	20,5	1,98	7,3	**766**	408	1,23061	700
1055	430	400	3551826100004	3551826100132	22,6	2,19	8,1	**780**	408	1,27001	700
	480	450	3551826100005	3551826100133	24,8	2,42	8,9	**876**	460	1,26087	700
	530	500	3551826100006	3551826100134	27,2	2,65	9,7	**972**	513	1,25174	900
	630	600	3551826100007	3551826100135	31,7	3,1	11,3	**1164**	620	1,23346	1000
	780	750	3551826100008	3551826100136	38,4	3,79	13,7	**1452**	784	1,20605	1200
1330	430	400	3551826100009	3551826100137	28,3	2,74	10,1	**947**	493	1,27683	900
	480	450	3551826100010	3551826100138	31	3,02	11,1	**1060**	556	1,26522	1000
	530	500	3551826100011	3551826100139	33,9	3,31	12,1	**1174**	619	1,2536	1000
	630	600	3551826100012	3551826100140	39,6	3,88	14,1	**1400**	747	1,23037	1200
	780	750	3551826100013	3551826100141	48	4,73	17,1	**1739**	944	1,19553	1200
1605	430	400	3551826100014	3551826100142	33,8	3,29	13,8	**1122**	582	1,28365	1000
	480	450	3551826100015	3551826100143	37,1	3,63	15	**1248**	652	1,26956	1200
	530	500	3551826100016	3551826100144	40,6	3,97	16,2	**1374**	723	1,25546	1200
	630	600	3551826100017	3551826100145	47,4	4,66	18,6	**1626**	869	1,22728	1200
	780	750	3551826100018	3551826100146	57,5	5,68	22,2	**2004**	1094	1,185	1200
1880	430	400	3551826100019	3551826100147	39,3	3,84	14,2	**1305**	679	1,27839	1200
	480	450	3551826100020	3551826100148	43,1	4,24	15,6	**1440**	755	1,26429	1200
	530	500	3551826100021	3551826100149	47,1	4,63	17	**1575**	832	1,2502	1200
	630	600	3551826100022	3551826100150	55,1	5,43	19,8	**1844**	988	1,222	1200
	780	750	3551826100023	3551826100151	66,8	6,63	24	**2249**	1231	1,17971	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KATIA VX WIDE

WARRANTY **5 YEARS**


Color: H27 Rosso vivo

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 15x20 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

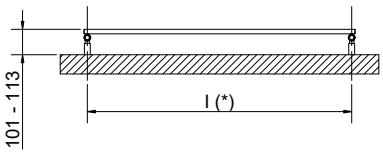
AVAILABLE ACCESSORIES

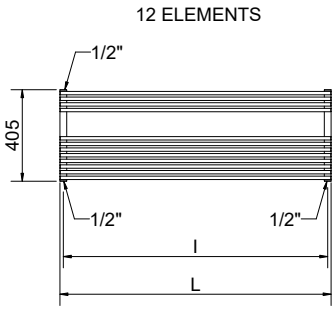

Kristal valve Total Color, angled with thermostatic option, colored

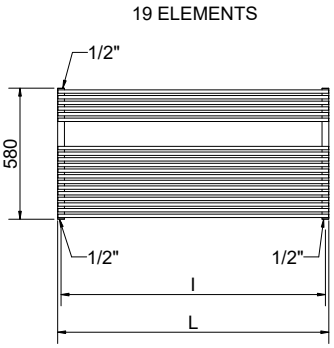

Kit 2 colored hooks

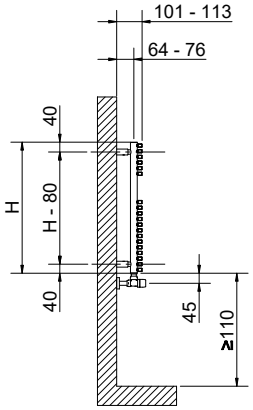

Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.









(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

KATIA VX WIDE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
405	1200	1170	**3551826101201**	10,9	1,06	3,3	**621**	336	1,2029	400
	1400	1370	**3551826101203**	12,0	1,25	3,8	**740**	404	1,1852	400
580	1200	1170	**3551826101202**	11,3	1,21	3,6	**960**	532	1,1572	700
	1400	1370	**3551826101204**	13,0	1,29	4,1	**1122**	603	1,2170	700

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KELLY 5010

WARRANTY **5 YEARS**



Color: F25 Quartz dust

MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

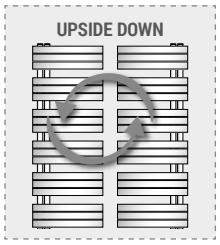
CE · EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH · NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 2 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 122)
- ☑ Dual energy (see page 350)
- ☑ Blower (see page 152)
- ☑ Blower dual energy (see page 156)



TIPS



The option with central connection and collectors on the right is ideal for dual energy (see page 97).

AVAILABLE ACCESSORIES



Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

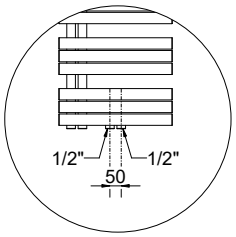


Thermostatic head Kristal TC fully colored

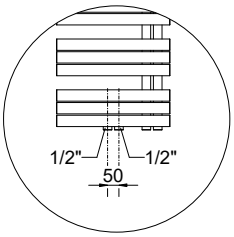


Thermostatic head Kristal TC chromed

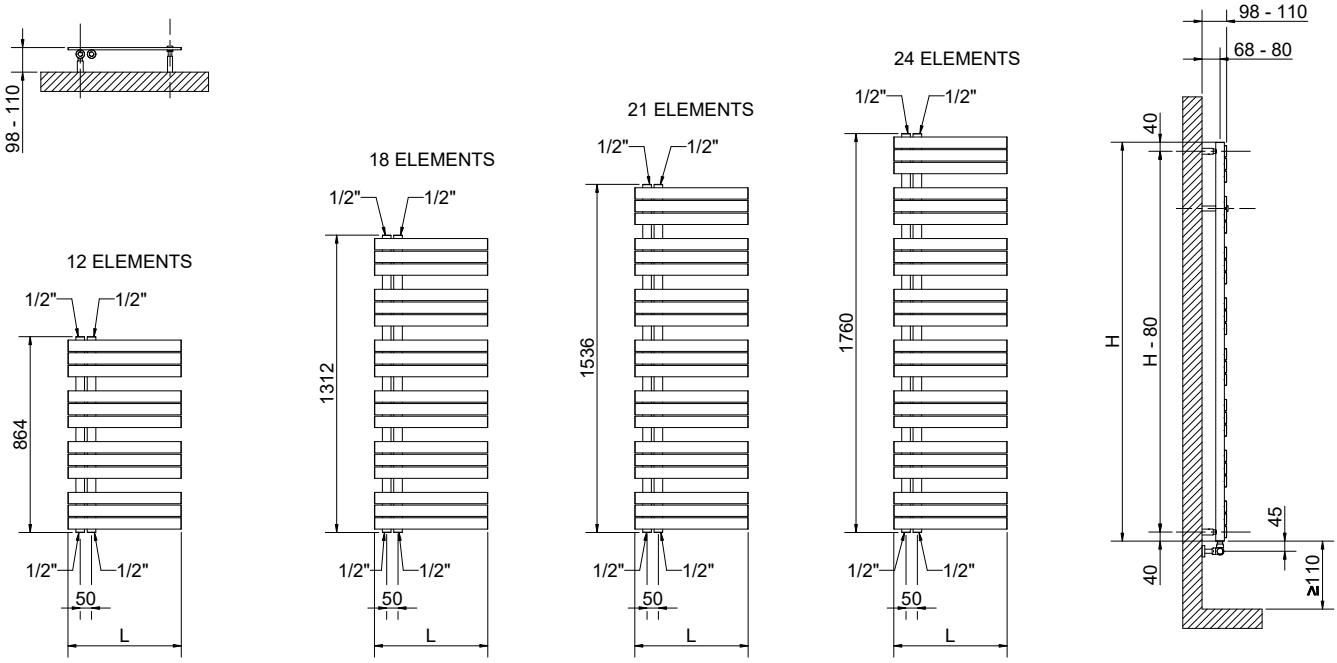
Complete list, codes and details of the ACCESSORIES from page 332.



Detail of central connection (COLLECTORS ON THE LEFT)



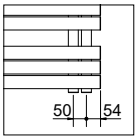
Detail of central connection (COLLECTORS ON THE RIGHT)

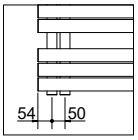


Quotes for Kristal valves

KELLY 5010

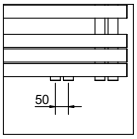
Height	Width	Art. nr.	Surface	Water content	Thermal output Δt 50°C	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	R01 White	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
864	500	3551726100025	0,87	3,9	**381**	204	1,2243	400
	600	3551726100029	1,01	4,3	**443**	234	1,2536	400
1312	500	3551726100026	1,31	5,8	**563**	300	1,2351	500
	600	3551726100030	1,51	6,5	**637**	336	1,2533	600
1536	500	3551726100027	1,53	6,8	**652**	341	1,2695	600
	600	3551726100031	1,77	7,6	**742**	388	1,2696	700
1760	500	3551726100028	1,75	7,8	**728**	378	1,2837	700
	600	3551726100032	2,02	8,7	**875**	455	1,2781	900





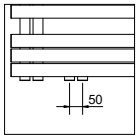
KELLY 5010 CENTRAL CONNECTION (COLLECTORS ON THE RIGHT)

Height	Width	Art. nr.
[mm]	L [mm]	R01 White
864	500	3551726100041
	600	3551726100045
1312	500	3551726100042
	600	3551726100046
1536	500	3551726100043
	600	3551726100047
1760	500	3551726100044
	600	3551726100048



KELLY 5010 CENTRAL CONNECTION (COLLECTORS ON THE LEFT)

Height	Width	Art. nr.
[mm]	L [mm]	R01 White
864	500	3551726100033
	600	3551726100037
1312	500	3551726100034
	600	3551726100038
1536	500	3551726100035
	600	3551726100039
1760	500	3551726100036
	600	3551726100040



The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KELLY 5010 ELITE

WARRANTY **5 YEARS**

NEW


Color: T23 Powder

MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

ACCESSORIES INCLUDED:
Kelly 5010 Elite is supplied with:
- 2 hooks
- Kristal valve kit with ø12/14mm copper and ø 16mm multilayer fittings
- Kristal TC thermostatic head and pipe cover kit
All matching the radiator color.

CERTIFICATES

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 2 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

ACCESSORIES INCLUDED



Colored valve kit, complete with fittings for copper ø 12-14 and multilayer ø 16 connection, TC thermostatic head and pipe cover kit

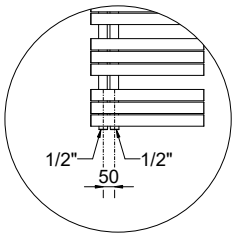


Kit 2 colored hooks

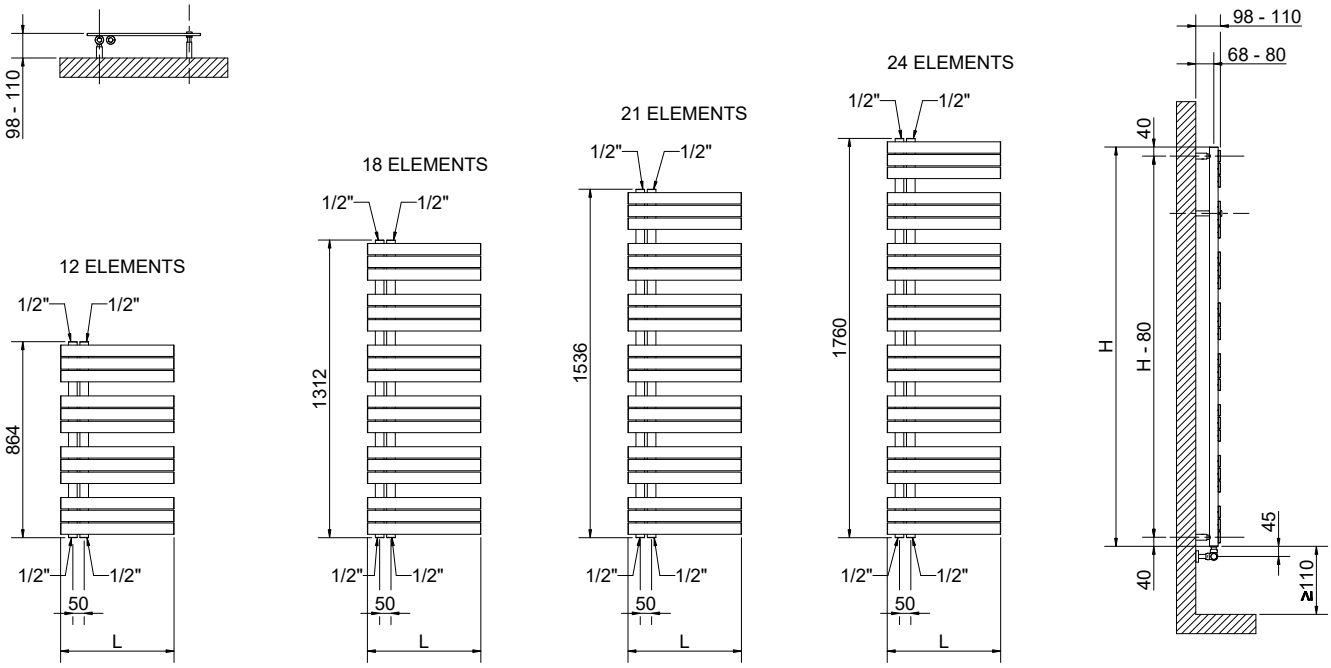


Colored fixing kit

Complete list, codes and details of the ACCESSORIES from page 332.

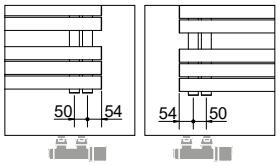


Detail of the 50 mm pipe-centres version.



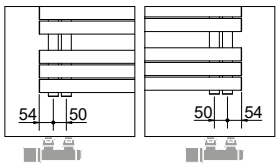
KELLY 5010 ELITE DX

Height	Width	Art. nr.	Surface	Water content	Thermal output Δt 50°C	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	R01 White	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
864	500	3551726100066	0,87	3,9	**381**	204	1,2243	400
	600	3551726100070	1,01	4,3	**443**	234	1,2536	400
1312	500	3551726100067	1,31	5,8	**563**	300	1,2351	500
	600	3551726100071	1,51	6,5	**637**	336	1,2533	600
1536	500	3551726100068	1,53	6,8	**652**	341	1,2695	600
	600	3551726100072	1,77	7,6	**742**	388	1,2696	700
1760	500	3551726100069	1,75	7,8	**728**	378	1,2837	700
	600	3551726100073	2,02	8,7	**875**	455	1,2781	900



KELLY 5010 ELITE SX

Height	Width	Art. nr.	Surface	Water content	Thermal output Δt 50°C	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	R01 White	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
864	500	3551726100074	0,87	3,9	**381**	204	1,2243	400
	600	3551726100078	1,01	4,3	**443**	234	1,2536	400
1312	500	3551726100075	1,31	5,8	**563**	300	1,2351	500
	600	3551726100079	1,51	6,5	**637**	336	1,2533	600
1536	500	3551726100076	1,53	6,8	**652**	341	1,2695	600
	600	3551726100080	1,77	7,6	**742**	388	1,2696	700
1760	500	3551726100077	1,75	7,8	**728**	378	1,2837	700
	600	3551726100081	2,02	8,7	**875**	455	1,2781	900



To order **Kelly 5010 Elite** you just need to choose size and color

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

SAMIRA

WARRANTY **5 YEARS**



Color: RAL 9010 - R01 White

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x25 mm horizontal heating elements, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

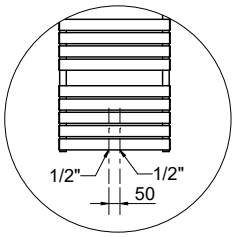


Kristal valve Total Color corner Right or Left with thermostatic option, colored

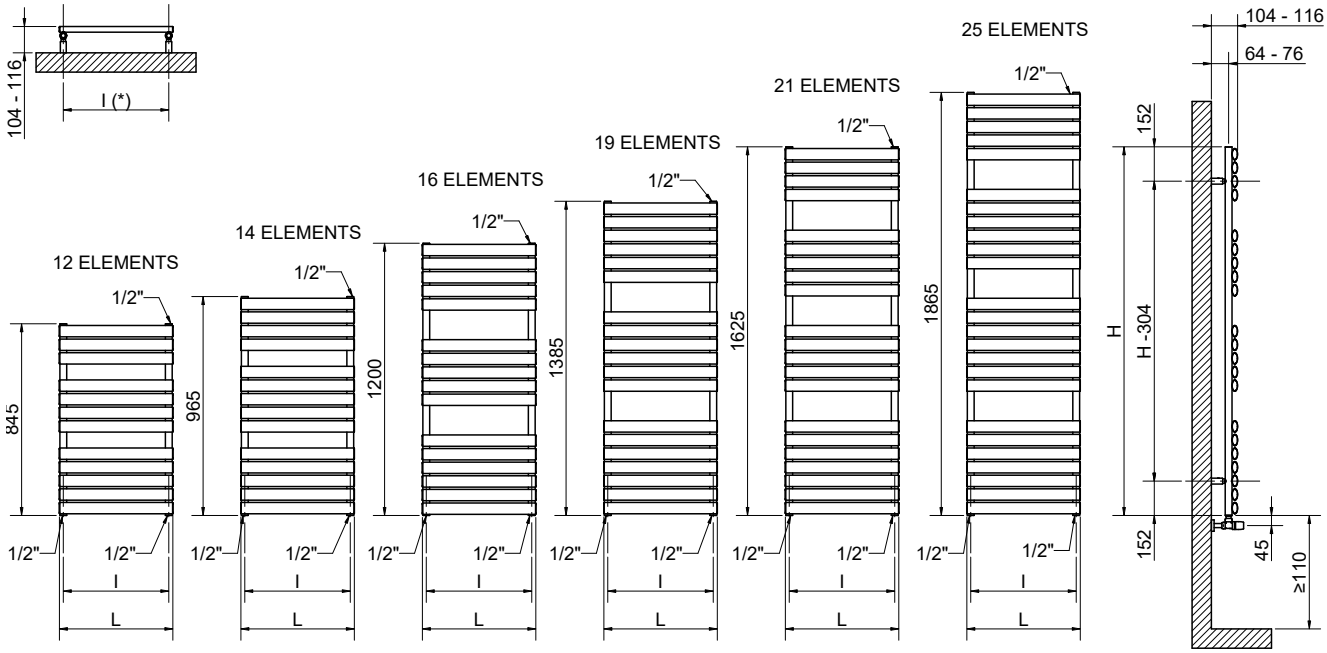


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

SAMIRA

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
845	400	365	3551626102031	3551626102049	7,62	0,74	5,64	**371**	200	1,2079	300
	500	465	3551626102032	3551626102050	8,95	0,88	6,82	**456**	248	1,1938	400
	600	565	3551626102033	3551626102051	10,28	1,03	8,00	**541**	296	1,1798	500
965	400	365	3551626102034	3551626102052	8,83	0,86	6,56	**414**	223	1,2070	400
	500	465	3551626102035	3551626102053	10,38	1,03	7,93	**507**	275	1,1944	500
	600	565	3551626102036	3551626102054	11,93	1,19	9,31	**600**	328	1,1818	600
1200	400	365	3551626102037	3551626102055	10,29	1,00	7,61	**501**	271	1,2051	500
	500	465	3551626102038	3551626102056	12,06	1,19	9,18	**609**	331	1,1954	600
	600	565	3551626102039	3551626102057	13,83	1,38	10,75	**718**	392	1,1856	700
1385	400	365	3551626102040	3551626102058	11,95	1,17	8,99	**571**	308	1,2081	600
	500	465	3551626102041	3551626102059	14,22	1,41	10,85	**693**	378	1,1889	700
	600	565	3551626102042	3551626102060	16,09	1,61	12,72	**815**	444	1,1897	700
1625	400	365	3551626102043	3551626102061	13,40	1,31	10,04	**667**	359	1,2119	700
	500	465	3551626102044	3551626102062	15,69	1,55	12,10	**808**	437	1,2034	700
	600	565	3551626102045	3551626102063	17,98	1,79	14,17	**949**	536	1,1195	900
NEW **1865**	400	365	3551626102046	3551626102064	17,1	1,56	12	**769**	409	1,2368	700
	500	465	3551626102047	3551626102065	20,1	1,86	14,4	**925**	498	1,2115	900
	600	565	3551626102048	3551626102066	23	2,15	16,9	**1081**	590	1,1862	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

SAMIRA WIDE

WARRANTY **5 YEARS**



Color: F37 Denim blue

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x25 mm horizontal heating elements, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **5 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

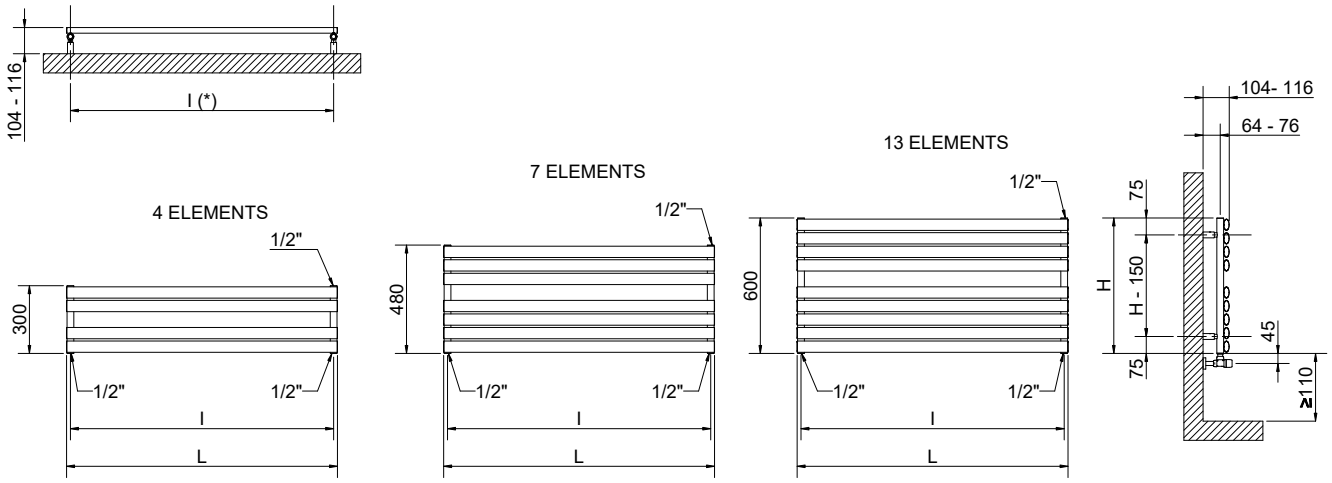


Kristal valve Total Color corner Right or Left with thermostatic option, colored



Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

SAMIRA WIDE

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
300	1000	970	**3601626100100**	5,30	0,54	4,26	**299**	164	1,1718	-
	1200	1170	**3601626100101**	6,20	0,63	5,00	**358**	197	1,1718	-
	1400	1370	**3601626100102**	7,10	0,72	5,80	**418**	230	1,1718	-
480	1000	970	**3601626100103**	9,10	0,93	7,40	**507**	276	1,1899	500
	1200	1170	**3601626100104**	10,70	1,10	8,80	**608**	331	1,1899	500
	1400	1370	**3601626100105**	12,20	1,26	10,20	**710**	387	1,1899	500
600	1000	970	**3601626100106**	11,70	1,20	9,50	**637**	345	1,2006	600
	1200	1170	**3601626100107**	13,70	1,40	11,27	**764**	414	1,2006	700
	1400	1370	**3601626100108**	15,70	1,60	13,00	**892**	483	1,2006	700

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

FEDERICA

WARRANTY **5 YEARS**



MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• Ø 38 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH

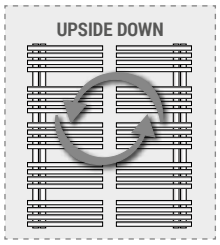
NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 126)
- ☑ Dual energy (see page 350)



AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

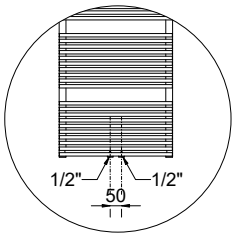


Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

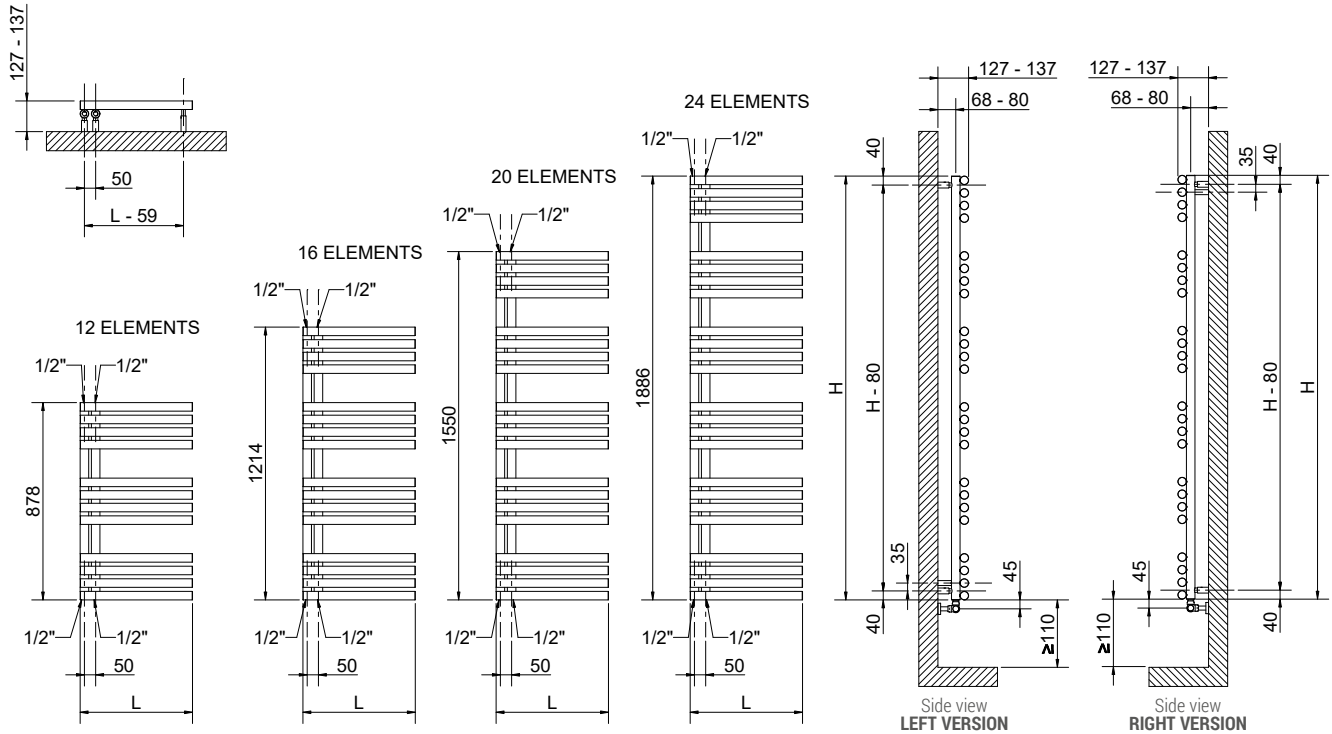


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



Quotes for Kristal valves

FEDERICA

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
878	500	50	**3551726100050**	9,9	0,926	7,3	**444**	238	1,2198	400
	600	50	**3551726100051**	11,4	1,069	8,5	**523**	280	1,2204	500
1214	500	50	**3551726100052**	13,2	1,245	10,2	**599**	325	1,1963	600
	600	50	**3551726100053**	15	1,436	11,4	**680**	366	1,2137	700
1550	500	50	**3551726100054**	16,4	1,564	12,6	**732**	390	1,2344	700
	600	50	**3551726100055**	18,7	1,803	15	**851**	460	1,2040	700
1886	500	50	**3551726100056**	19,7	1,883	15,1	**900**	474	1,2551	900
	600	50	**3551726100057**	22,2	2,169	17,5	**1041**	557	1,2249	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

FABIANA

WARRANTY **5 YEARS**

NEW



MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• Ø 38 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EURONORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

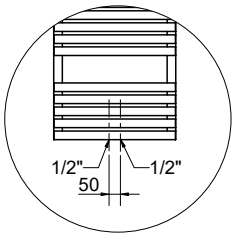


Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

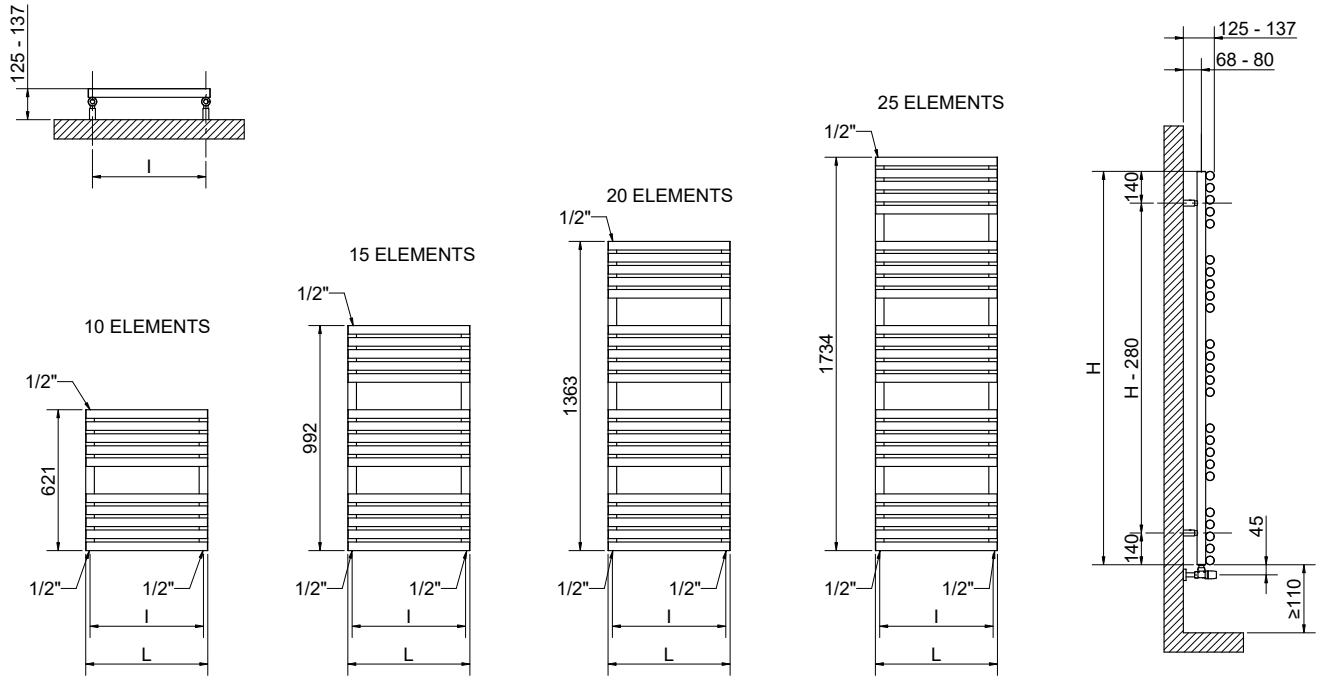


Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



Quotes for Kristal valves

FABIANA

Height	Width	Pipe Centres	Art. nr.	PIPE CENTRES 50 mm Art. nr.	Thermal output Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	R01 White	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
621	438	400	3551850150001	3551850151001	7,5	0,68	5,6	**353**	188	1,2302	300
	488	450	3551850150002	3551850151002	8,0	0,74	6,1	**386**	206	1,2280	300
	538	500	3551850150003	3551850151003	8,6	0,8	6,6	**420**	224	1,2257	400
	638	600	3551850150004	3551850151004	9,7	0,91	7,6	**487**	261	1,2212	400
	788	750	3551850150005	3551850151005	11,4	1,08	9,1	**588**	316	1,2144	500
992	438	400	3551850150006	3551850151006	11,1	1,03	8,5	**524**	285	1,1890	500
	488	450	3551850150007	3551850151007	11,9	1,12	9,3	**572**	311	1,1909	500
	538	500	3551850150008	3551850151008	12,8	1,2	10	**621**	338	1,1929	600
	638	600	3551850150009	3551850151009	14,4	1,38	11,5	**718**	390	1,1968	700
	788	750	3551850150010	3551850151010	16,9	1,64	13,7	**864**	468	1,2026	700
1363	438	400	3551850150011	3551850151011	14,7	1,38	11,4	**697**	377	1,2020	700
	488	450	3551850150012	3551850151012	15,8	1,5	12,4	**761**	412	1,1984	700
	538	500	3551850150013	3551850151013	17,0	1,61	13,4	**825**	448	1,1948	700
	638	600	3551850150014	3551850151014	19,2	1,84	15,4	**953**	519	1,1875	900
	788	750	3551850150015	3551850151015	22,5	2,19	18,4	**1145**	627	1,1767	1000
1734	438	400	3551850150016	3551850151016	18,2	1,73	14,3	**889**	475	1,2263	700
	488	450	3551850150017	3551850151017	19,6	1,88	15,6	**962**	516	1,2181	900
	538	500	3551850150018	3551850151018	21,0	2,02	16,8	**1035**	558	1,2098	1000
	638	600	3551850150019	3551850151019	23,8	2,31	19,3	**1180**	642	1,1934	1000
	788	750	3551850150020	3551850151020	28,0	2,74	23,1	**1399**	770	1,1688	1200

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**





ELECTRIC & BLOWER
Radiators

ARDESIA®

ELECTRIC

EUROPEAN WARRANTY



MATERIAL:
- Pressed heads made of carbon steel sheet.
- Electric-welded carbon steel tubes, Ø 25 mm.
- Heat transfer fluid.

FIXING KIT:
Universal rapid safety kit and user notice included.
The fixing kit is compliant with VDI 6036 norm, class 3.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
Available only in standard white color RAL 9010 - R01.

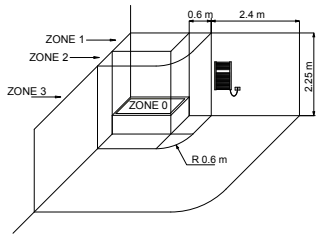
FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 22
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz
Seasonal energy efficiency ηs: 51,6%

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

INCLUDED



Universal rapid safety kit

Pair of wall ties fixing kit color white

AVAILABLE ACCESSORIES



Kit 2 hooks

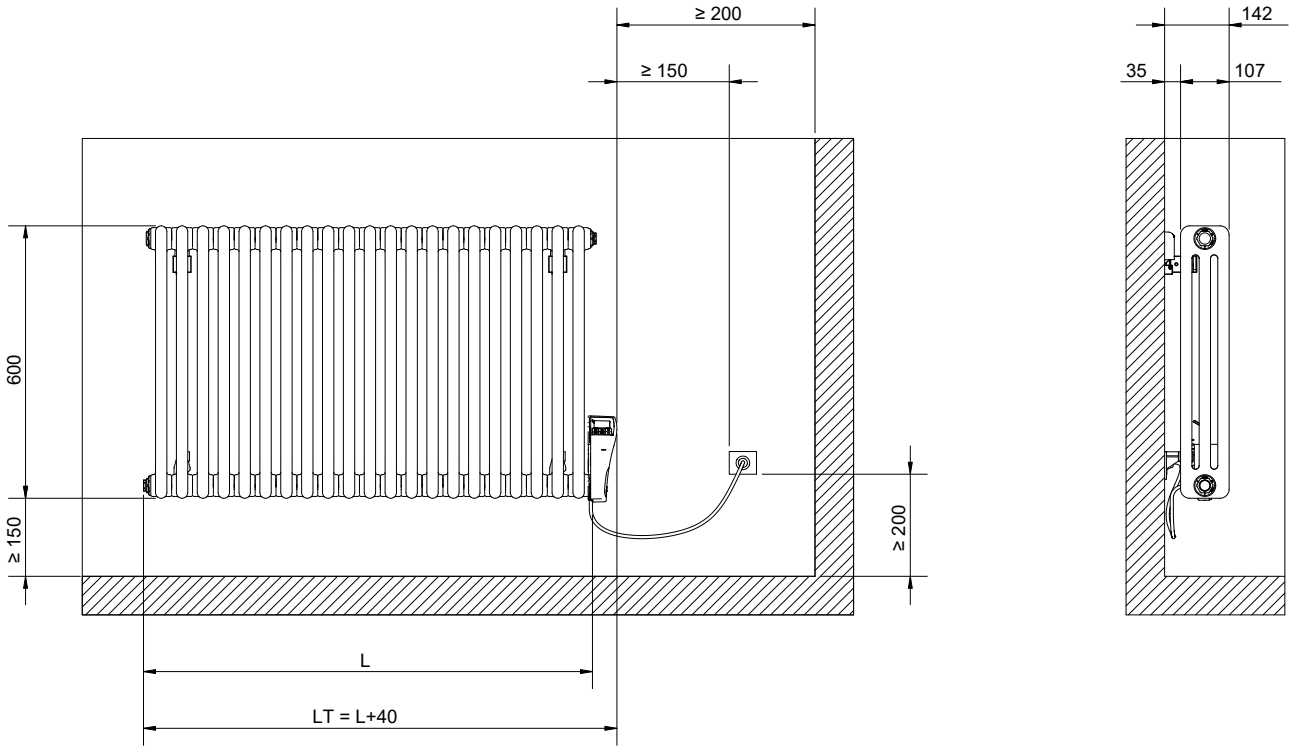
- WHITE
- CHROMED



Infrared remote control

Remote control of digital chrono-thermostat functioning.

Complete list, codes and details of the ACCESSORIES from page 332.



ARDESIA® ELECTRIC

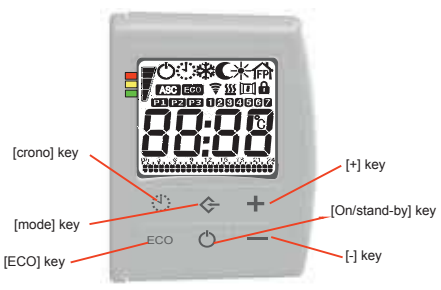
Height	Width	Elements	Columns	Art. nr.	Output	Weight
[mm]	L [mm]	N°	N°	R01 White	[Watt]	[Kg]
600	338	7	3	3586706100001	400	16
	384	8	3	3586706100002	500	18
	568	12	3	3586706100003	750	27
	614	13	3	3586706100004	900	30
	706	15	3	3586706100005	1000	34
	798	17	3	3586706100006	1200	39
	982	21	3	3586706100007	1500	48
	1120	24	3	3586706100008	2000	55

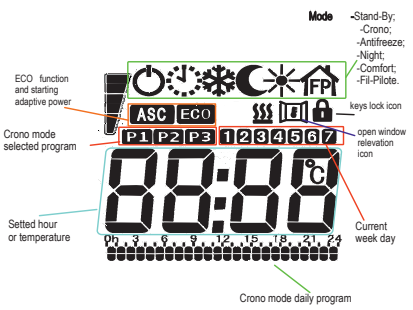
Art. nr. and price are referred to color R01 White

PROGRAMMABLE DIGITAL THERMOSTAT WITH DAILY AND WEEKLY FUNCTION

COMFORT MODE:
Main function used to maintain the comfort temperature
NIGHT MODE:
Function to maintain an appropriate temperature at night
ANTIFREEZE MODE:
Function that ensures the antifreeze protection of the radiator when the ambient temperature falls below 7 ° C
CHRONO MODE:
Functioning according to an operating program set by the user
ECO MODE:
Energy saving function that lowers the temperature of all the settings of the radiator by 3 ° C
VACATION MODE:
Function that excludes all the programming and user settings, except the anti-freeze safety, for a period of time set by the user
CHILD SAFETY AND KEY LOCK:
Function that protects the appliance from improper or involuntary actions and settings
ASC ADAPTIVE SELF-LEARNING SYSTEM:
According to an adaptive self-learning algorithm, this function provides for reaching the desired room temperature at the times set by the user.
OPEN WINDOW DETECTION SYSTEM:
Function that provides for the deactivation of the radiator, for a maximum of 30 minutes, if the opening of a window in the room is detected
CONSUMPTION INDICATOR
The consumption indicator indicates the electric absorption level and therefore the consumption of the appliance, helping the user to define the ideal operating mode of the radiator in an energy saving perspective.

Class	**Class II**
Class protection IP	**IP22**
Thermostat color	**White**
Wire color	**White**
Functions	**Comfort; Night; Antifreeze; Stand-by; Chrono; Eco; Holiday; ASC adaptive self-learning system; open window detection; Child safety.**
Range of settable temperatures	**7 ÷ 32 °C**
Power supply	**230 Vac – 50Hz**
Wire lenght	**900 mm with Schuko plug**





CLAUDIA®

ELECTRIC

EUROPEAN WARRANTY



Color: F45 Sage green

MATERIAL:
• 30x40 mm vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.
• Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

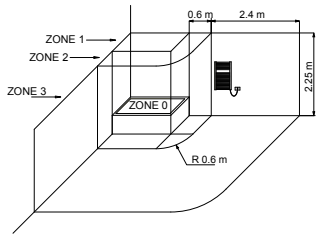
FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat functioning

AVAILABLE ACCESSORIES

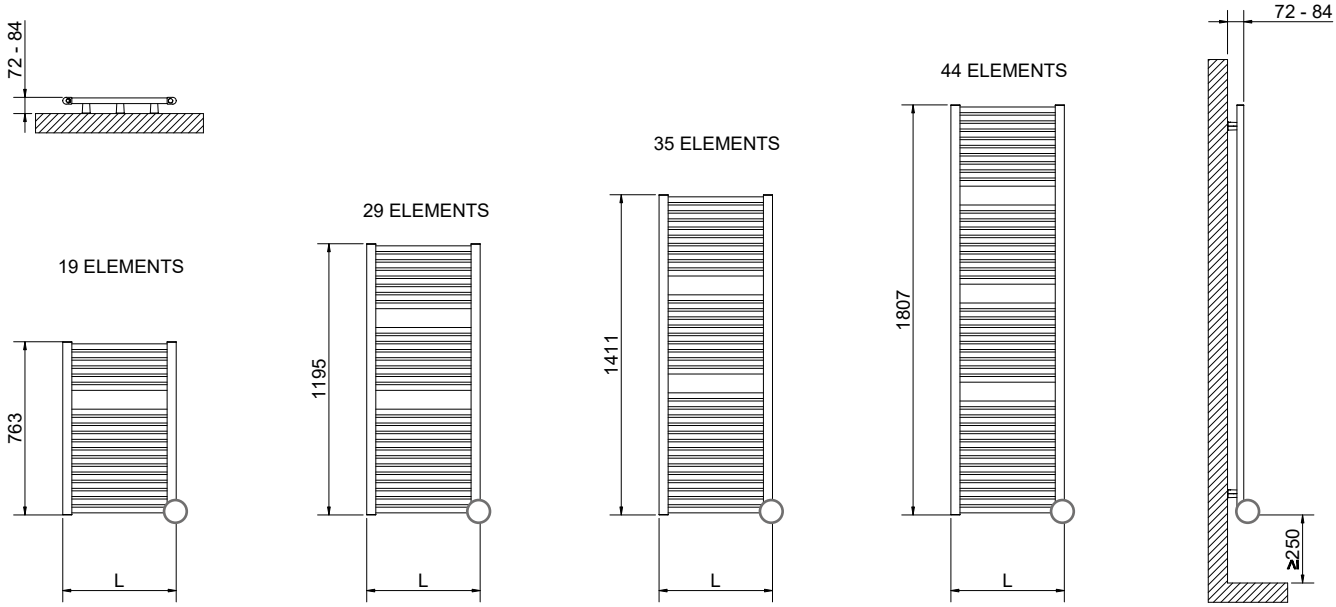


Towel bar in painted mild steel



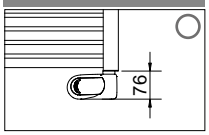
Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



○ *The total height has to be calculated considering the thermostat height*

DIGITAL THERMOSTAT WIFI



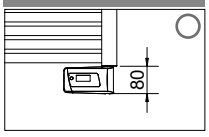
Technical specification of the WiFi thermostat, see our range of digital thermostats

CLAUDIA® ELECTRIC WIFI

NEW MEASURES

Height [mm]	Width L [mm]	Art. nr. R01 White	Output [Watt]	Weight [Kg]
763	400	3581356100176	400	11
	500	3581356100203	500	13
	600	3581356100193	600	15
1195	400	3581356100177	600	16
	450	3581356100179	600	17
	500	3581356100181	700	19
	600	3581356100194	900	21
1411	400	3581356100178	700	19
	500	3581356100182	900	22
	600	3581356100195	900	25
1807	400	3581356100196	900	23
	500	3581356100183	900	27
	600	3581356100184	1200	31

DIGITAL THERMOSTAT PLUS



REMOTE CONTROL INCLUDED

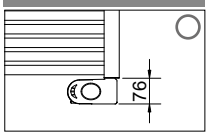
Technical specification of the PLUS thermostat, see our range of digital thermostats

CLAUDIA® ELECTRIC PLUS

NEW MEASURES

Height [mm]	Width L [mm]	Art. nr. R01 White	Output [Watt]	Weight [Kg]
763	400	3581356100166	400	11
	500	3581356100202	500	13
	600	3581356100197	600	15
1195	400	3581356100167	600	16
	450	3581356100161	600	17
	500	3581356100162	700	19
	600	3581356100198	900	21
1411	400	3581356100168	700	19
	500	3581356100163	900	22
	600	3581356100199	900	25
1807	400	3581356100200	900	23
	500	3581356100164	900	27
	600	3581356100165	1200	31

DIGITAL THERMOSTAT ECO DESIGN



Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

CLAUDIA® ELECTRIC ECO DESIGN

NEW MEASURES

Height [mm]	Width L [mm]	Art. nr. R01 White	Output [Watt]	Weight [Kg]
763	400	3581356100097	400	11
	500	3581356100201	500	13
	600	3581356100189	600	15
1195	400	3581356100098	600	16
	450	3581356100092	600	17
	500	3581356100093	700	19
	600	3581356100190	900	21
1411	400	3581356100099	700	19
	500	3581356100094	900	22
	600	3581356100191	900	25
1807	400	3581356100192	900	23
	500	3581356100095	900	27
	600	3581356100096	1200	31

The codes shown in the table refer to the R01 White color models

NAIKE ST

ELECTRIC

EUROPEAN WARRANTY

NEW



Color: F34 Red sand

MATERIAL:
- 30x30 mm collectors in painted mild steel.
- 15x20 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with PLUS digital thermostat)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

CERTIFICATES

CE

VDI 6036 COMPLIANT WITH

AVAILABLE FUNCTIONS

☑ With PLUS digital thermostat

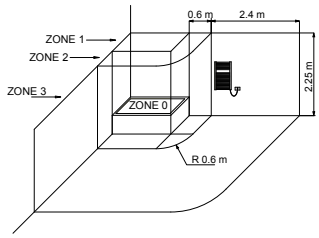
☑ With ECO DESIGN digital thermostat

THERMOSTAT FINISH

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

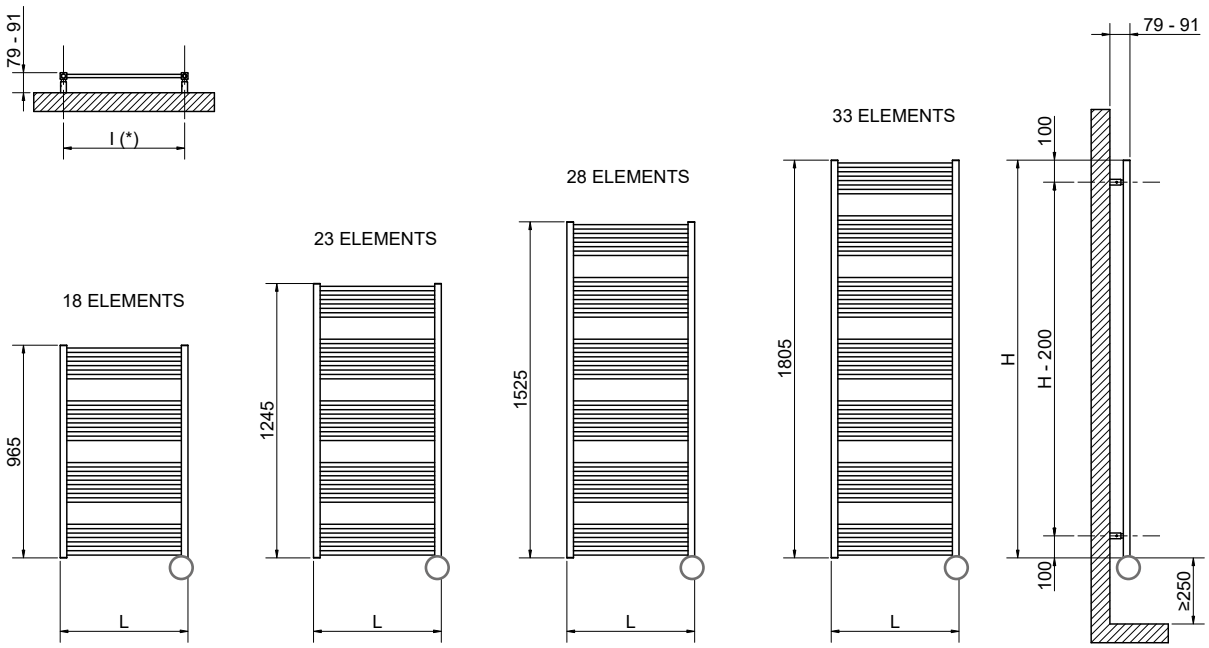
INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat functioning

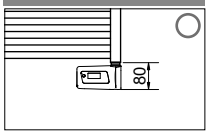
Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (l) measure of the fixing kit

The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
PLUS



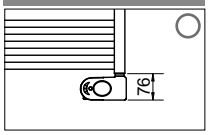
REMOTE CONTROL
INCLUDED

NAIKE ST ELECTRIC PLUS

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	l [mm] (*)	R01 White	[Watt]	[Kg]
965	580	550	3581826100018	500	10,5
1245	580	550	3581826100019	600	13,1
1525	580	550	3581826100020	700	16,2
1805	580	550	3581826100021	900	18,7

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



NAIKE ST ELECTRIC ECO DESIGN

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	l [mm] (*)	R01 White	[Watt]	[Kg]
965	580	550	3581826100014	500	10,5
1245	580	550	3581826100015	600	13,1
1525	580	550	3581826100016	700	16,2
1805	580	550	3581826100017	900	18,7

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

LUCY 18

ELECTRIC

EUROPEAN WARRANTY



MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- Ø 18 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

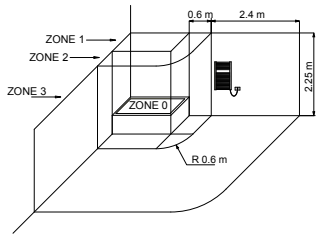
FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat functioning

AVAILABLE ACCESSORIES

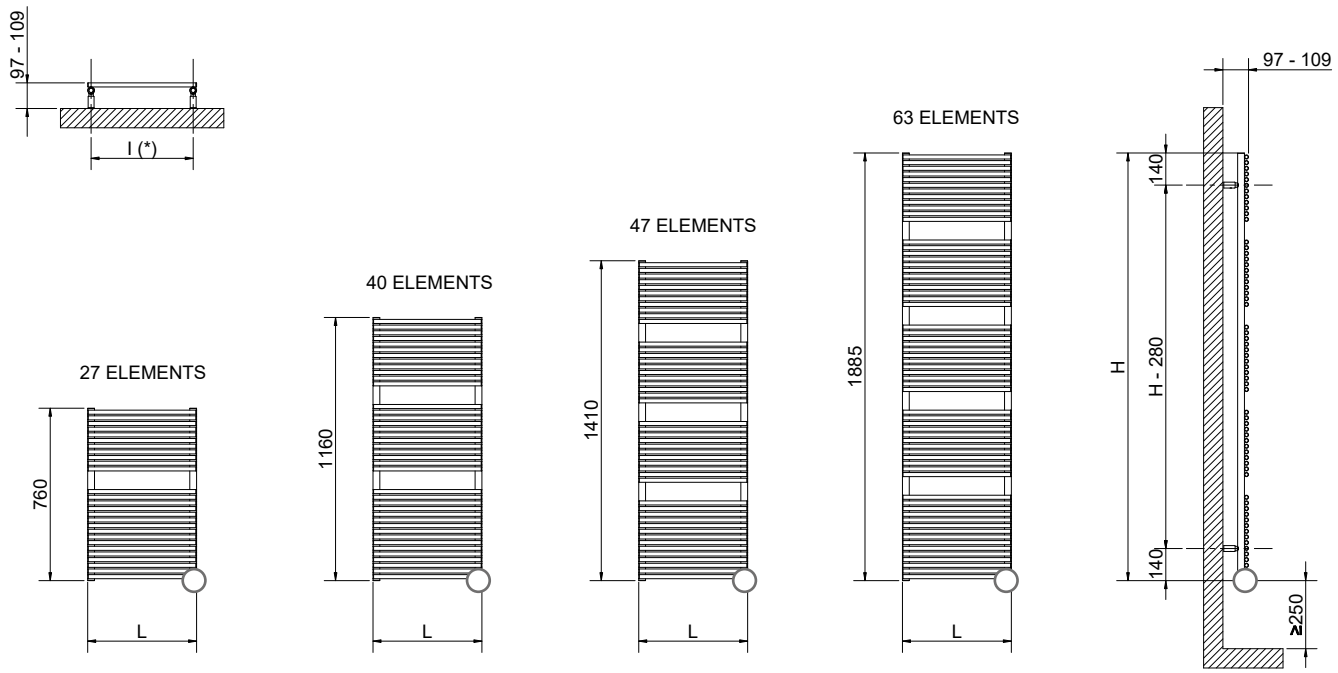


Kit 2 colored hooks



Towel bar in painted mild steel

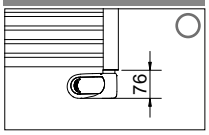
Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

○ The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
WIFI

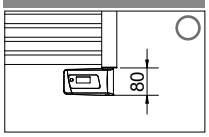


LUCY 18 ELECTRIC WIFI

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
760	480	450	3581406100248	500	14
1160	480	450	3581406100249	700	22
1410	480	450	3581406100250	900	26
1885	480	450	3581406100251	1200	30

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



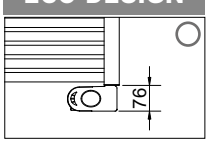
REMOTE CONTROL
INCLUDED

LUCY 18 ELECTRIC PLUS

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
760	480	450	3581406100240	500	14
1160	480	450	3581406100241	700	22
1410	480	450	3581406100242	900	26
1885	480	450	3581406100243	1200	30

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



LUCY 18 ELECTRIC ECO DESIGN

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
760	480	450	3581406100230	500	14
1160	480	450	3581406100231	700	22
1410	480	450	3581406100232	900	26
1885	480	450	3581406100233	1200	30

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

GLORIA 22

ELECTRIC

EUROPEAN WARRANTY



MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- Ø 22 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

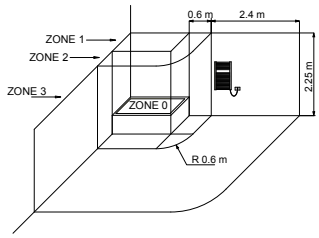
THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

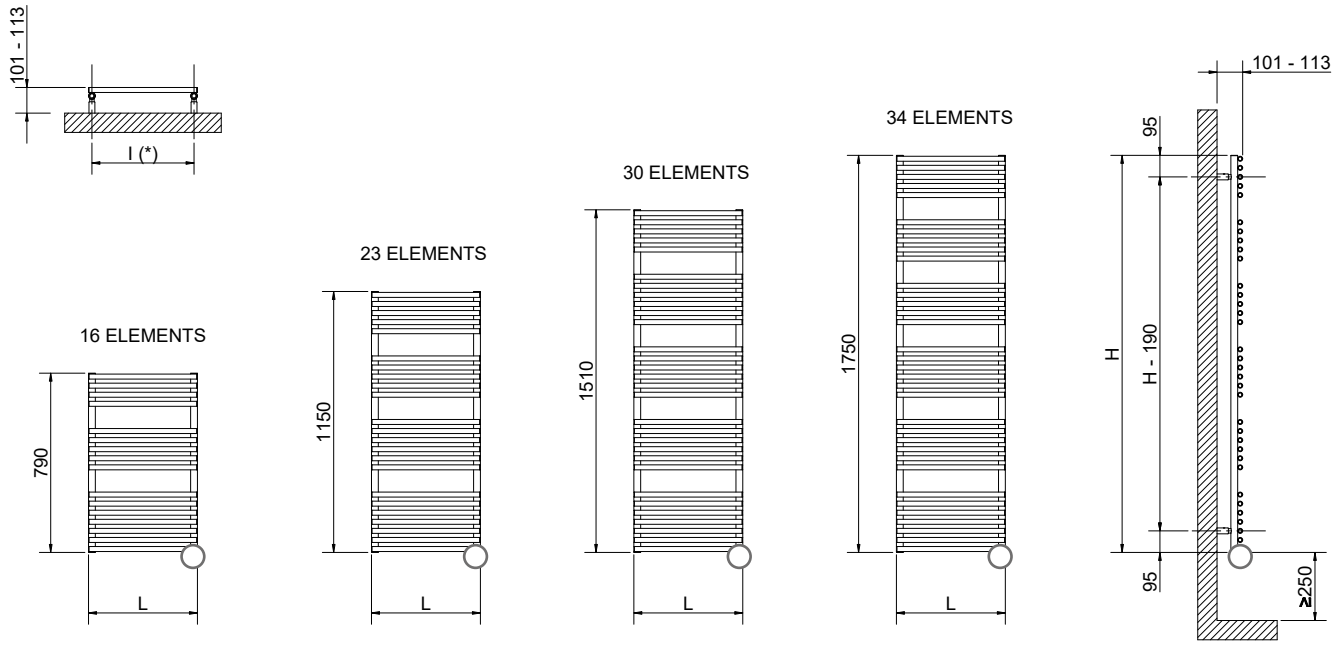
INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat functioning

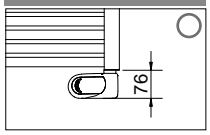
Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

○ The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
WIFI

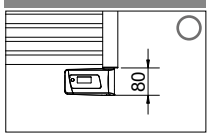


GLORIA 22 ELECTRIC WIFI

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
790	430	400	3581666100036	400	10
1150	580	550	3581666100037	700	17
1500	580	550	3581666100038	900	22
1750	580	550	3581666100039	1200	25

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



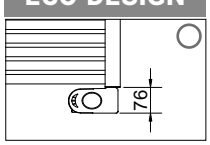
REMOTE CONTROL
INCLUDED

GLORIA 22 ELECTRIC PLUS

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
790	430	400	3581666100040	400	10
1150	580	550	3581666100041	700	17
1500	580	550	3581666100042	900	22
1750	580	550	3581666100043	1200	25

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



GLORIA 22 ELECTRIC ECO DESIGN

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
790	430	400	3581666100011	400	10
1150	580	550	3581666100012	700	17
1500	580	550	3581666100013	900	22
1750	580	550	3581666100014	1200	25

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

DORY

ELECTRIC

EUROPEAN WARRANTY



Color: F23 Sparkling grey

MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- 50x10 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

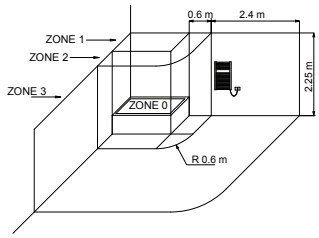
FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat functioning

AVAILABLE ACCESSORIES

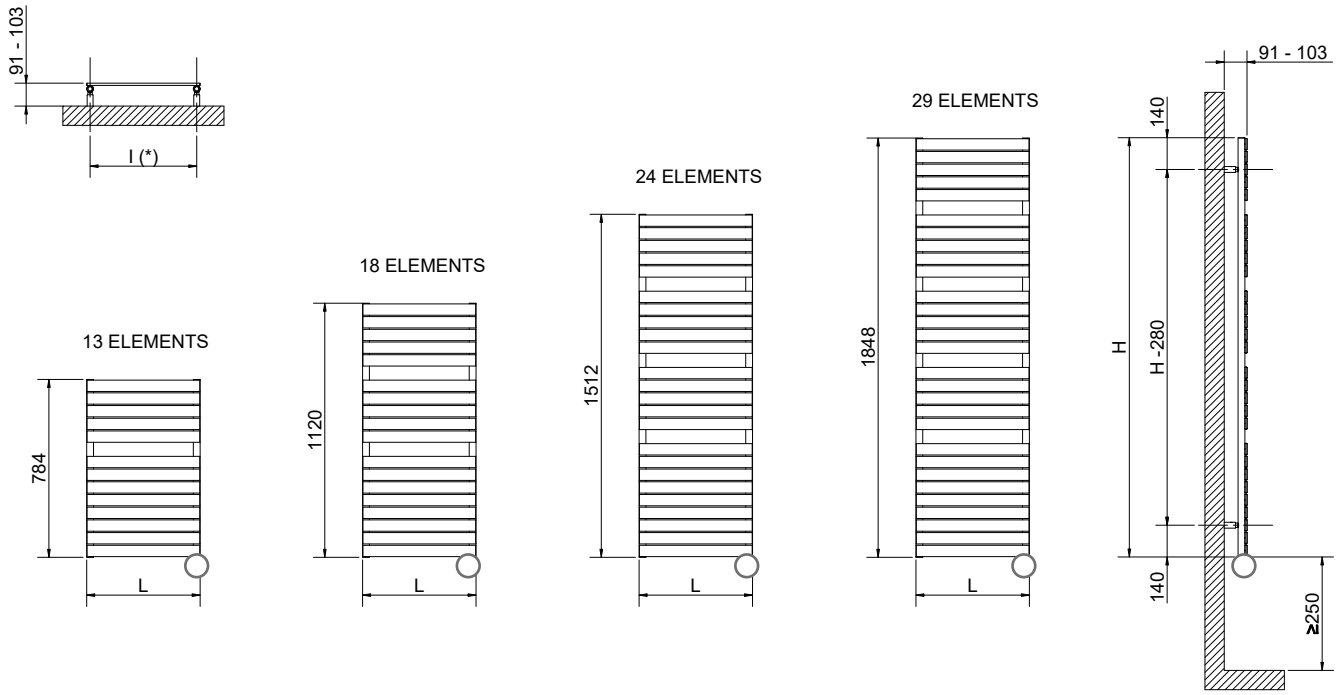


Kit 2 colored hooks



Towel bar in painted mild steel

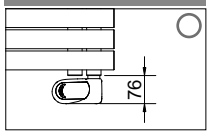
Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

○ The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
WIFI

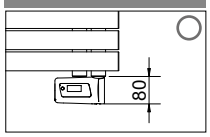


DORY ELECTRIC WIFI

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
784	500	470	3581426100329	500	15
1120	500	470	3581426100330	700	21
1512	500	470	3581426100331	900	28
1848	600	570	3581426100332	1200	38

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



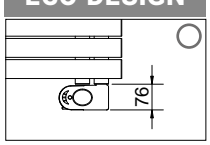
REMOTE CONTROL
INCLUDED

DORY ELECTRIC PLUS

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
784	500	470	3581426100640	500	15
1120	500	470	3581426100641	700	21
1512	500	470	3581426100642	900	28
1848	600	570	3581426100643	1200	38

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



DORY ELECTRIC ECO DESIGN

Height	Width	Fixing kit center distance	Art. nr.	Output	Weight
[mm]	L [mm]	I [mm] (*)	R01 White	[Watt]	[Kg]
784	500	470	3581426100301	500	15
1120	500	470	3581426100302	700	21
1512	500	470	3581426100303	900	28
1848	600	570	3581426100304	1200	38

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

KELLY 5010 DX

ELECTRIC

EUROPEAN WARRANTY



MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- 50x10 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

CERTIFICATES

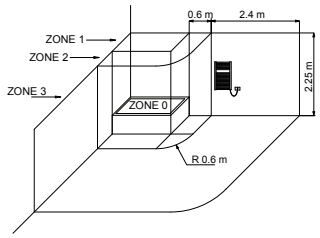
CE

VDI 6036 COMPLIANT WITH

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

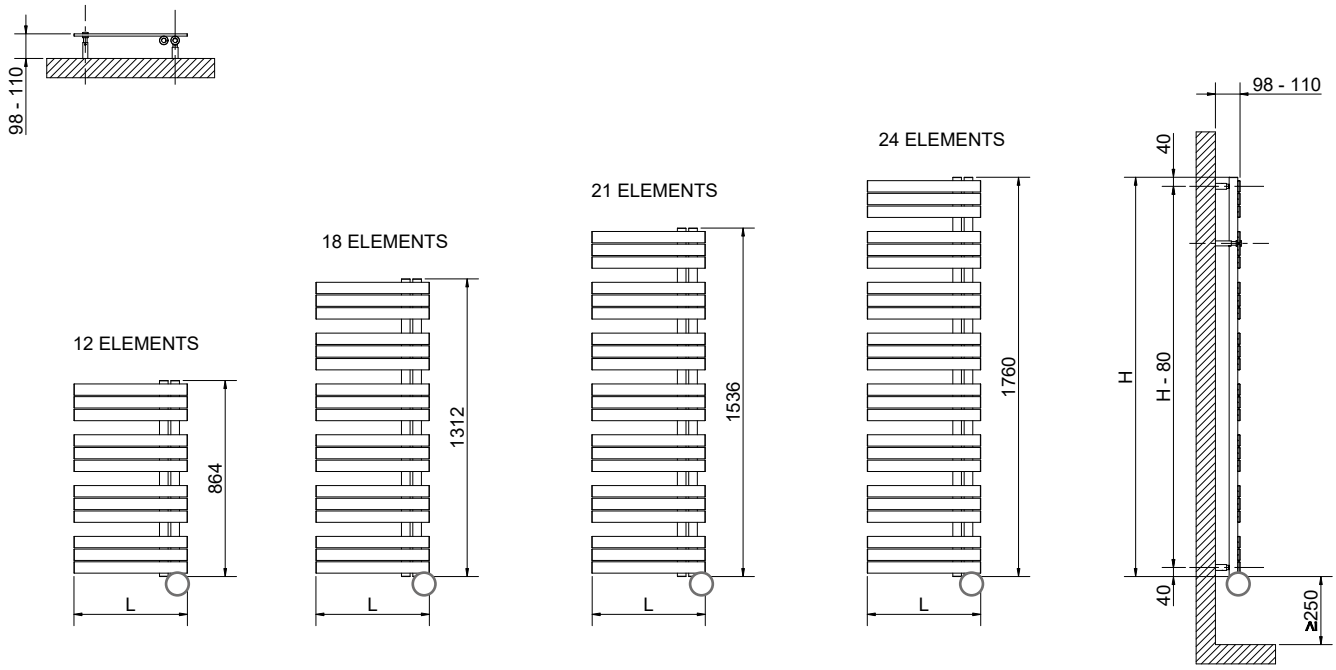
INCLUDED



Remote control of PLUS digital chrono-thermostat

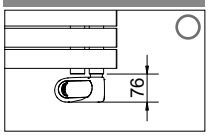
Remote control of PLUS digital chrono-thermostat functioning

Complete list, codes and details of the ACCESSORIES from page 332.



The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
WIFI

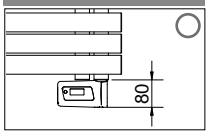


KELLY 5010 DX ELECTRIC WIFI

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100222	500	13
	600	3581726100223	600	15
1312	500	3581726100224	700	19
1536	500	3581726100226	900	23
1760	600	3581726100229	1200	26

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



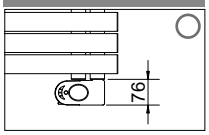
REMOTE CONTROL
INCLUDED

KELLY 5010 DX ELECTRIC PLUS

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100190	500	13
	600	3581726100191	600	15
1312	500	3581726100192	700	19
1536	500	3581726100194	900	23
1760	600	3581726100197	1200	26

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



KELLY 5010 DX ELECTRIC ECO DESIGN

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100171	500	13
	600	3581726100172	600	15
1312	500	3581726100173	700	19
1536	500	3581726100175	900	23
1760	600	3581726100178	1200	26

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

KELLY 5010 SX

ELECTRIC

EUROPEAN WARRANTY



MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- 50x10 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

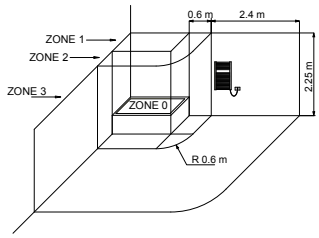
THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

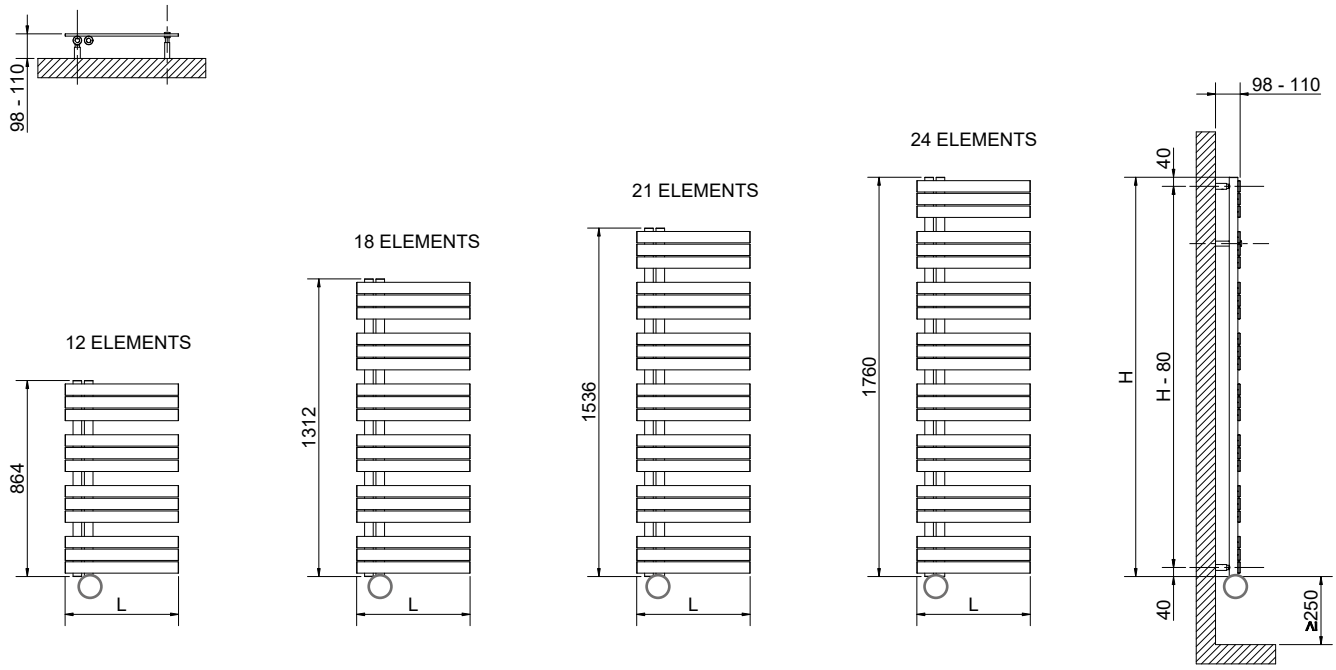
INCLUDED



Remote control of PLUS digital chrono-thermostat

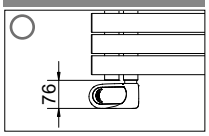
Remote control of PLUS digital chrono-thermostat functioning

Complete list, codes and details of the ACCESSORIES from page 332.



○ *The total height has to be calculated considering the thermostat height*

DIGITAL THERMOSTAT
WIFI

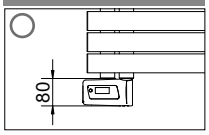


KELLY 5010 SX ELECTRIC WIFI

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100230	500	13
	600	3581726100231	600	15
1312	500	3581726100232	700	19
1536	500	3581726100234	900	23
1760	600	3581726100237	1200	26

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



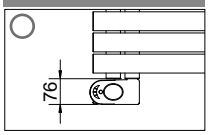
REMOTE CONTROL
INCLUDED

KELLY 5010 SX ELECTRIC PLUS

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100198	500	13
	600	3581726100199	600	15
1312	500	3581726100200	700	19
1536	500	3581726100202	900	23
1760	600	3581726100205	1200	26

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



KELLY 5010 SX ELECTRIC ECO DESIGN

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
864	500	3581726100181	500	13
	600	3581726100182	600	15
1312	500	3581726100183	700	19
1536	500	3581726100185	900	23
1760	600	3581726100188	1200	26

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

FEDERICA DX

ELECTRIC

NEW

EUROPEAN WARRANTY



Color: RAL 9016 - R02 Traffic white

MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• Ø 38 mm horizontal heating elements in painted mild steel.
• Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

CERTIFICATES

CE

VDI 6036 COMPLIANT WITH

ELECTRICAL ONLY

☑ With WiFi digital thermostat
☑ With PLUS digital thermostat
☑ With ECO DESIGN digital thermostat

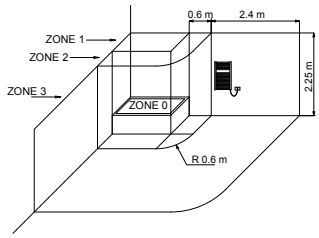
THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

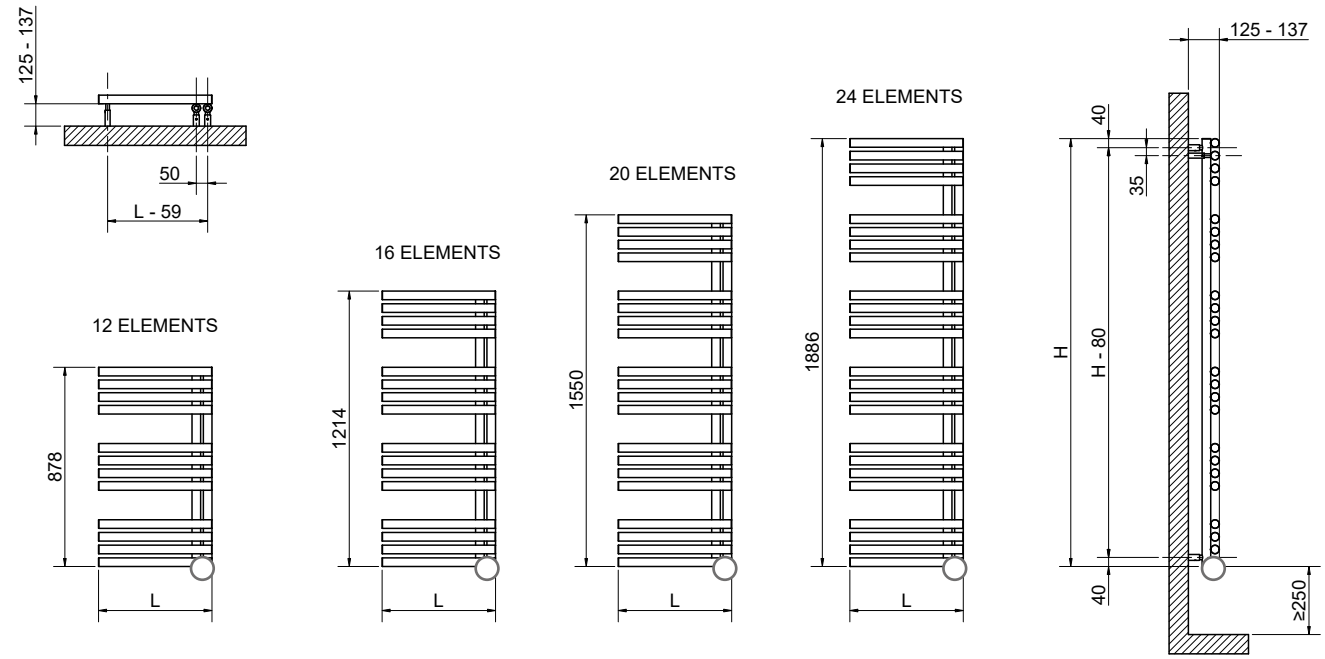
INCLUDED



Remote control of PLUS digital chrono-thermostat

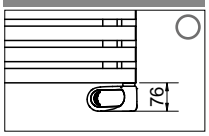
Remote control of PLUS digital chrono-thermostat functioning

Complete list, codes and details of the ACCESSORIES from page 332.



The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT
WIFI

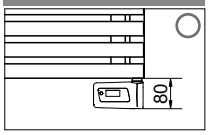


FEDERICA DX ELECTRIC WIFI

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100086	400	10,4
	600	3581726100087	500	11,9
1214	500	3581726100088	600	13,7
	600	3581726100089	700	15,5
1550	500	3581726100090	700	16,9
	600	3581726100091	700	19,2
1886	500	3581726100092	900	20,3
	600	3581726100093	1000	22,8

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
PLUS



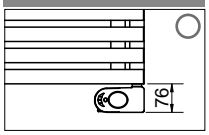
REMOTE CONTROL
INCLUDED

FEDERICA DX ELECTRIC PLUS

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100078	400	10,4
	600	3581726100079	500	11,9
1214	500	3581726100080	600	13,7
	600	3581726100081	700	15,5
1550	500	3581726100082	700	16,9
	600	3581726100083	700	19,2
1886	500	3581726100084	900	20,3
	600	3581726100085	1000	22,8

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT
ECO DESIGN



FEDERICA DX ELECTRIC ECO DESIGN

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100070	400	10,4
	600	3581726100071	500	11,9
1214	500	3581726100072	600	13,7
	600	3581726100073	700	15,5
1550	500	3581726100074	700	16,9
	600	3581726100075	700	19,2
1886	500	3581726100076	900	20,3
	600	3581726100077	1000	22,8

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

FEDERICA SX

ELECTRIC

EUROPEAN WARRANTY

NEW



Color: T01 Matt black

MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- Ø 38 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat or PLUS)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 49,5% (with PLUS digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

ELECTRICAL ONLY

- ☑ With WiFi digital thermostat
- ☑ With PLUS digital thermostat
- ☑ With ECO DESIGN digital thermostat

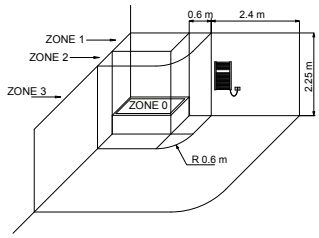
THERMOSTAT FINISH

WiFi version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- CHROMED on all other colors.

PLUS version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- DARK GREY on all other colors.

ECO DESIGN version:
- WHITE on color radiators: R01 White, R02 Traffic White, T11 Matt White and F20 Milky;
- BLACK on color radiators: R13 Jet Black e T01 Matt Black;
- CHROMED on all other colors.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

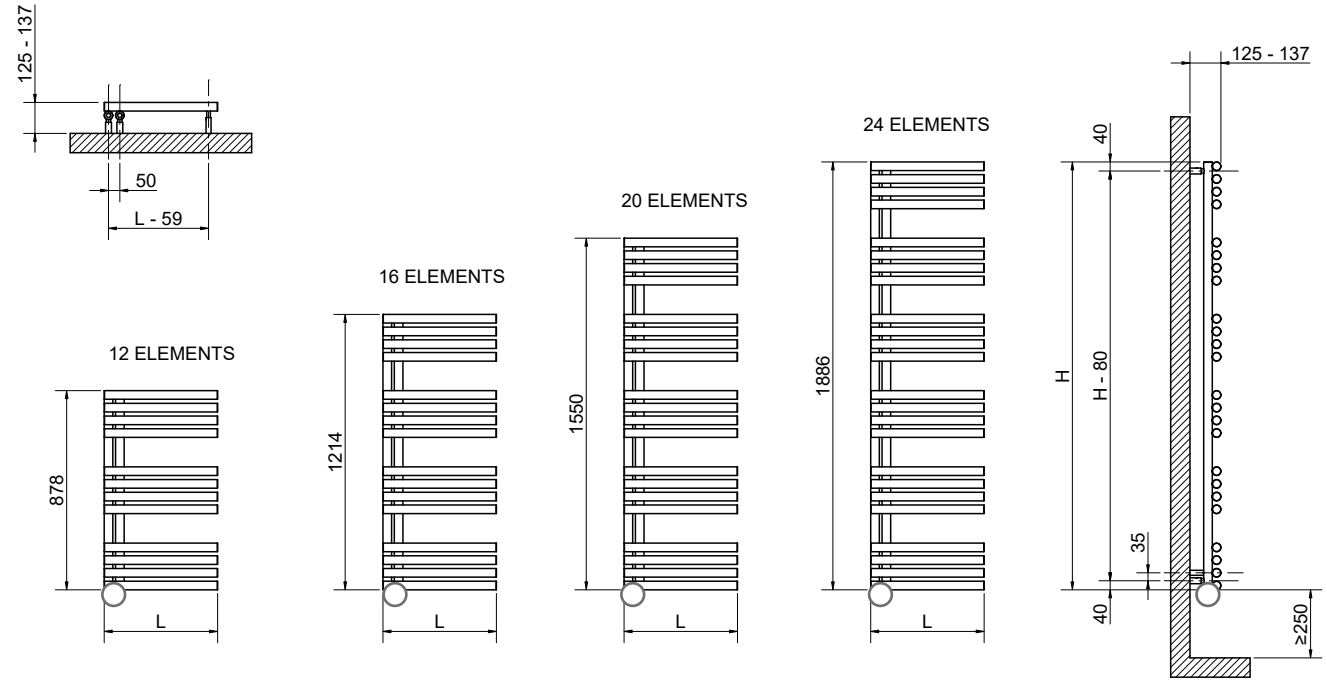
INCLUDED



Remote control of PLUS digital chrono-thermostat

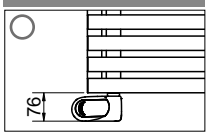
Remote control of PLUS digital chrono-thermostat functioning

Complete list, codes and details of the ACCESSORIES from page 332.



The total height has to be calculated considering the thermostat height

DIGITAL THERMOSTAT **WIFI**

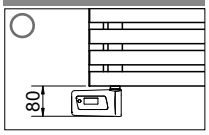


FEDERICA SX ELECTRIC WIFI

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100110	400	10,4
	600	3581726100111	500	11,9
1214	500	3581726100112	600	13,7
	600	3581726100113	700	15,5
1550	500	3581726100114	700	16,9
	600	3581726100115	700	19,2
1886	500	3581726100116	900	20,3
	600	3581726100117	1000	22,8

Technical specification of the WiFi thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT **PLUS**



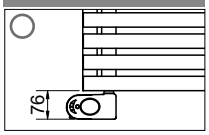
REMOTE CONTROL **INCLUDED**

FEDERICA SX ELECTRIC PLUS

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100102	400	10,4
	600	3581726100103	500	11,9
1214	500	3581726100104	600	13,7
	600	3581726100105	700	15,5
1550	500	3581726100106	700	16,9
	600	3581726100107	700	19,2
1886	500	3581726100108	900	20,3
	600	3581726100109	1000	22,8

Technical specification of the PLUS thermostat, see our range of digital thermostats

DIGITAL THERMOSTAT **ECO DESIGN**



FEDERICA SX ELECTRIC ECO DESIGN

Height	Width	Art. nr.	Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Kg]
878	500	3581726100094	400	10,4
	600	3581726100095	500	11,9
1214	500	3581726100096	600	13,7
	600	3581726100097	700	15,5
1550	500	3581726100098	700	16,9
	600	3581726100099	700	19,2
1886	500	3581726100100	900	20,3
	600	3581726100101	1000	22,8

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

The codes shown in the table refer to the R01 White color models

ELEN 18

ELECTRIC - POLISHED STAINLESS STEEL

EUROPEAN WARRANTY



Polished stainless steel

MATERIAL:
- Ø 30 mm vertical collectors in polished stainless steel.
- Ø 18 mm horizontal elements in polished stainless steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

AVAILABLE FUNCTIONS

☑ With WiFi digital thermostat

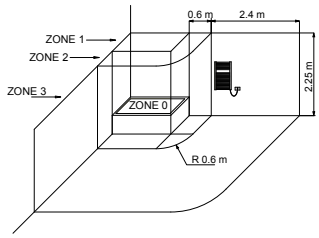
☑ With ECO DESIGN digital thermostat

THERMOSTAT FINISH

WiFi version:
- CHROMED.

ECO DESIGN version:
- CHROMED.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

AVAILABLE ACCESSORIES

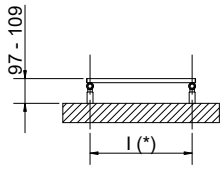


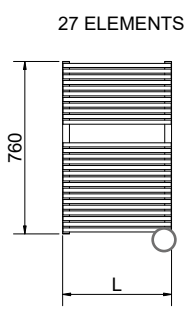
Kit 2 hooks polished stainless steel

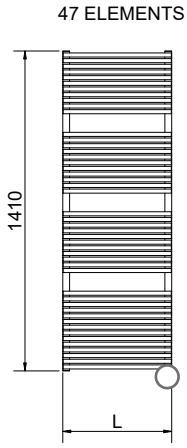


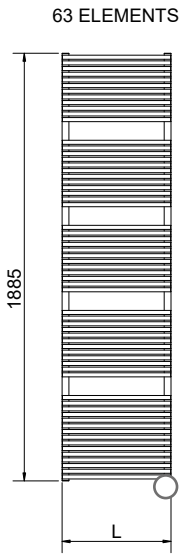
Towel bar polished stainless steel

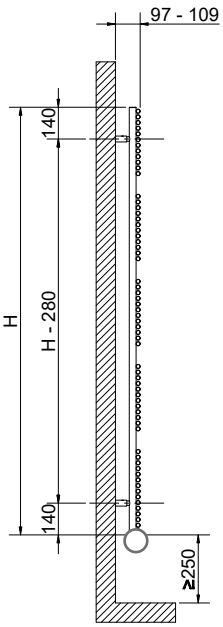
Complete list, codes and details of the ACCESSORIES from page 332.





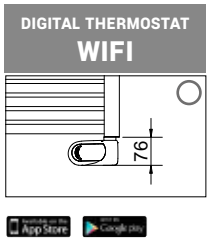






(*) The fixing kit has the same pipe centre (l) as the radiator

○ The total height has to be calculated considering the thermostat height

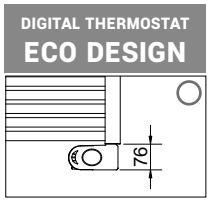


ELEN 18 ELECTRIC WIFI - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
760	480	450	3581440400053	300	14
1410	480	450	3581440400054	500	24
1885	530	500	3581440400055	700	32

Technical specification of the WiFi thermostat, see our range of digital thermostats

NEW



ELEN 18 ELECTRIC ECO DESIGN - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
760	480	450	3581440400056	300	14
1410	480	450	3581440400057	500	24
1885	530	500	3581440400058	700	32

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

SANDY

EUROPEAN WARRANTY

ELECTRIC - POLISHED STAINLESS STEEL



MATERIAL:
- Ø 38 mm vertical collectors in polished stainless steel.
- Ø 25 mm horizontal elements in polished stainless steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

AVAILABLE FUNCTIONS

☑ With WiFi digital thermostat

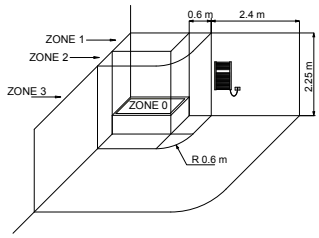
☑ With ECO DESIGN digital thermostat

THERMOSTAT FINISH

WiFi version:
- CHROMED.

ECO DESIGN version:
- CHROMED.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

AVAILABLE ACCESSORIES

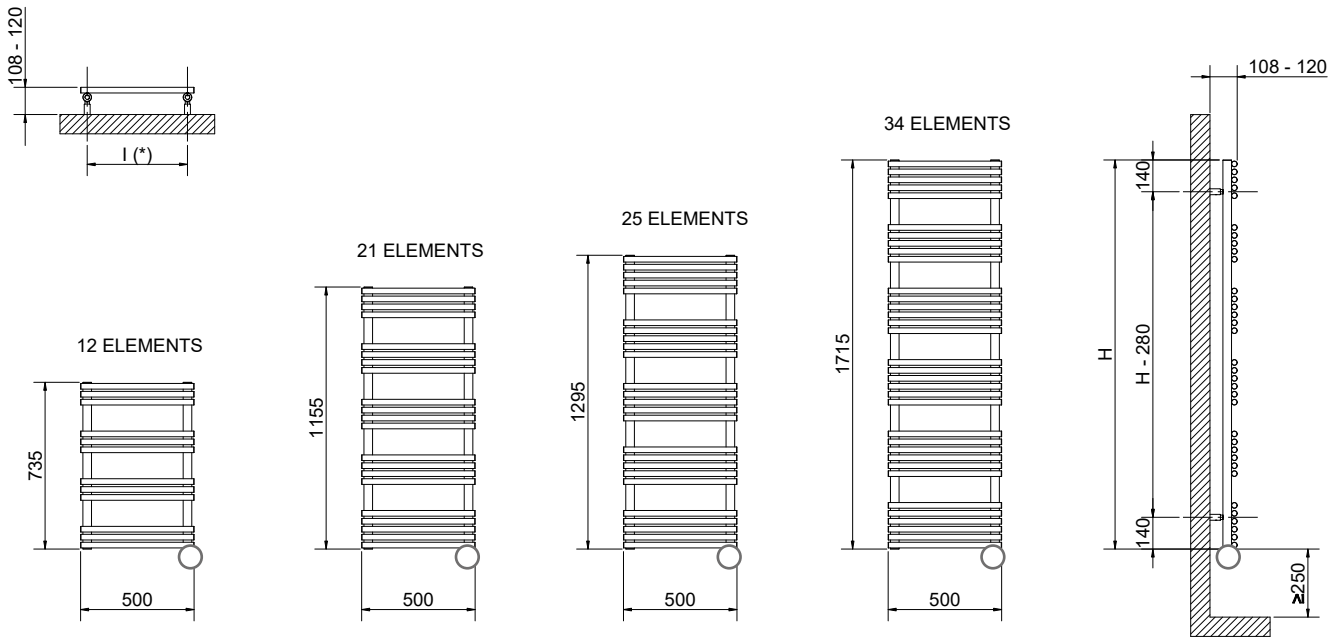


Kit 2 hooks polished stainless steel



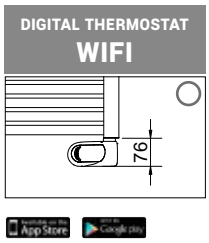
Towel bar polished stainless steel

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (I) as the radiator

○ The total height has to be calculated considering the thermostat height

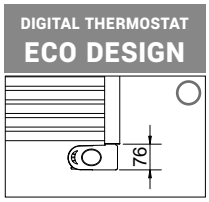


SANDY ELECTRIC WIFI - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
735	500	462	3581440402026	300	11,0
1155	500	462	3581440402027	400	18,0
1295	500	462	3581440402028	600	21,0
1715	500	462	3581440402029	700	28,0

Technical specification of the WiFi thermostat, see our range of digital thermostats

NEW



SANDY ELECTRIC ECO DESIGN - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
735	500	462	3581440402030	300	11,0
1155	500	462	3581440402031	400	18,0
1295	500	462	3581440402032	600	21,0
1715	500	462	3581440402033	700	28,0

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

LEILA

ELECTRIC - POLISHED STAINLESS STEEL

EUROPEAN WARRANTY



Polished stainless steel

MATERIAL:
- Ø 30 mm vertical collectors in polished stainless steel.
- Ø 18 mm horizontal elements in polished stainless steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

FEATURES

Class protection: CLASS 1
Minimum ingress protection: IP 44
Wire lenght: 1200 mm with Schuko plug
Power supply: 230Vac 50Hz (with WiFi digital thermostat)
Power supply: 230Vac 50/60Hz (with ECO DESIGN digital thermostat)
Seasonal energy efficiency η_s: 51,6% (with WiFi digital thermostat)
Seasonal energy efficiency η_s: 50,5% (with ECO DESIGN digital thermostat)

AVAILABLE FUNCTIONS

☑ With WiFi digital thermostat

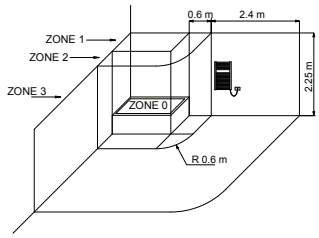
☑ With ECO DESIGN digital thermostat

THERMOSTAT FINISH

WiFi version:
- CHROMED.

ECO DESIGN version:
- CHROMED.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

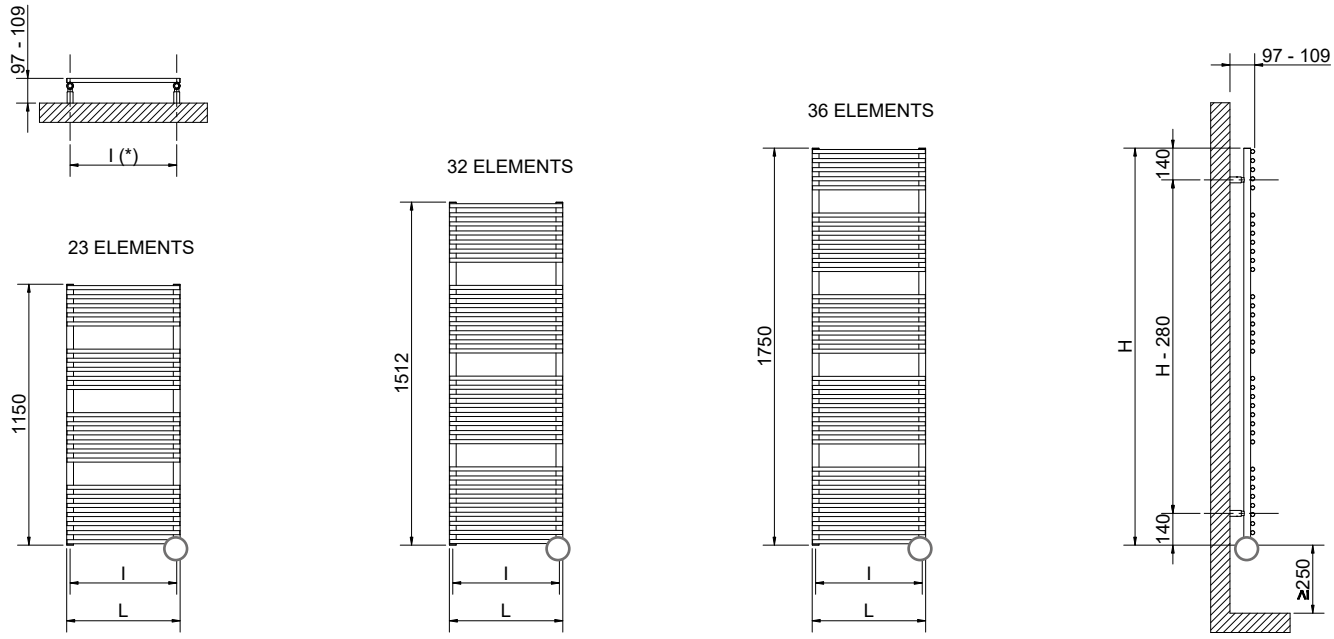
Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

AVAILABLE ACCESSORIES



Space-saving clothesline in plexiglass and steel

Complete list, codes and details of the ACCESSORIES from page 332.

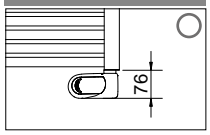


(*) The fixing kit has the same pipe centre (I) as the radiator

○ The total height has to be calculated considering the thermostat height

NEW

DIGITAL THERMOSTAT
WIFI



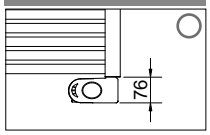
LEILA ELECTRIC WIFI - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
1150	500	470	3581560400024	300	13
1512	500	470	3581560400025	500	18
1750	500	470	3581560400026	600	21

Technical specification of the WiFi thermostat, see our range of digital thermostats

NEW

DIGITAL THERMOSTAT
ECO DESIGN



LEILA ELECTRIC ECO DESIGN - POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	I [mm] (*)	Art. nr.	[Watt]	[Kg]
1150	500	470	3581560400021	300	13
1512	500	470	3581560400022	500	18
1750	500	470	3581560400023	600	21

Technical specification of the ECO DESIGN thermostat, see our range of digital thermostats

ALESSANDRA

ELECTRIC - POLISHED STAINLESS STEEL

EUROPEAN WARRANTY


Polished stainless steel

MATERIAL:
- Ø 30 mm vertical collectors in polished stainless steel.
- 30x10 mm horizontal elements in polished stainless steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years. The electric resistance and the cable are hidden by a polished stainless steel cable cover.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

VERSION FOR DOMOTIC CONTROL WITH CABLE COVER

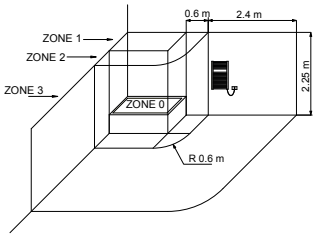
Class protection: CLASS 1
Minimum ingress protection: IP 55
Wire lenght: 1200 mm without plug
Power supply: 230Vac 50Hz

For the version with CABLE COVER it is necessary to connect the radiator to a home automation management system or with an external thermostat equipped with electronic temperature control, daily programming and stand-by electrical output consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable) in order to meet the requirements of EU Regulation 2024/1103 for electrical radiators with an output between 60 and 250W. The cable is without plug and must be connected to an ON-OFF switch (not included). a power supply disconnect (not included) and a protection device (not included) must be provided. For correct installation, consult an electrician and refer to local regulations for electrical networks.

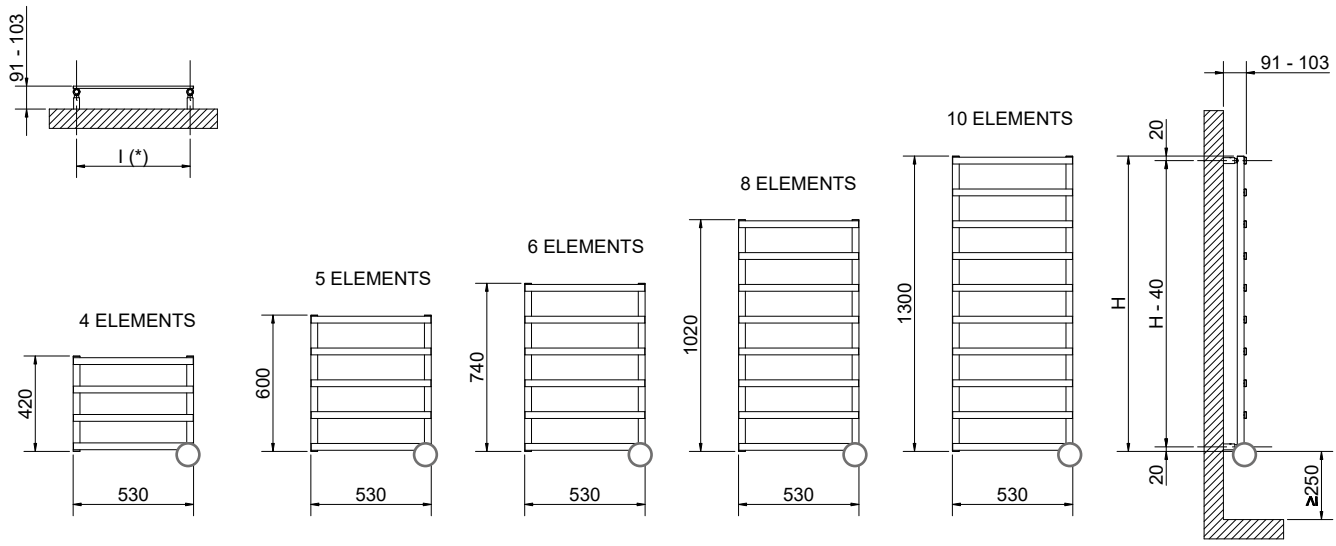
ELECTRICAL ONLY

☑ Electric resistance for DOMOTIC control

HOW TO PLACE ELECTRIC RADIATORS



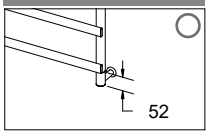
The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



(*) The fixing kit has the same pipe centre (l) as the radiator

○ The total height has to be calculated considering the height of the cable cover

CABLE COVER



ALESSANDRA ELECTRIC FOR DOMOTIC CONTROL WITH CABLE COVER
POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	l [mm] (*)	Art. nr.	[Watt]	[Kg]
420	530	500	3581680400011	150	3,3
600	530	500	3581680400012	150	4,4
740	530	500	3581680400013	150	5,0
1020	530	500	3581680400014	150	5,9
1300	530	500	3581680400015	150	6,7

LAURA

ELECTRIC - POLISHED STAINLESS STEEL

EUROPEAN WARRANTY


Polished stainless steel

MATERIAL:
- Ø 30 mm vertical collectors in polished stainless steel.
- Ø 25 mm horizontal elements in polished stainless steel.
- Heat transfer fluid.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years. The electric resistance and the cable are hidden by a polished stainless steel cable cover.

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

VERSION FOR DOMOTIC CONTROL WITH CABLE COVER

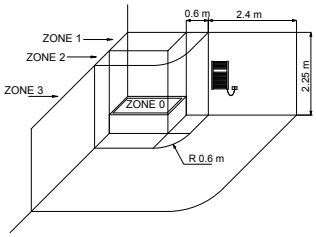
Class protection: CLASS 1
Minimum ingress protection: IP 55
Wire lenght: 1200 mm without plug
Power supply: 230Vac 50Hz

For the version with CABLE COVER it is necessary to connect the radiator to a home automation management system or with an external thermostat equipped with electronic temperature control, daily programming and stand-by electrical output consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable) in order to meet the requirements of EU Regulation 2024/1103 for electrical radiators with an output between 60 and 250W. The cable is without plug and must be connected to an ON-OFF switch (not included). a power supply disconnect (not included) and a protection device (not included) must be provided. For correct installation, consult an electrician and refer to local regulations for electrical networks.

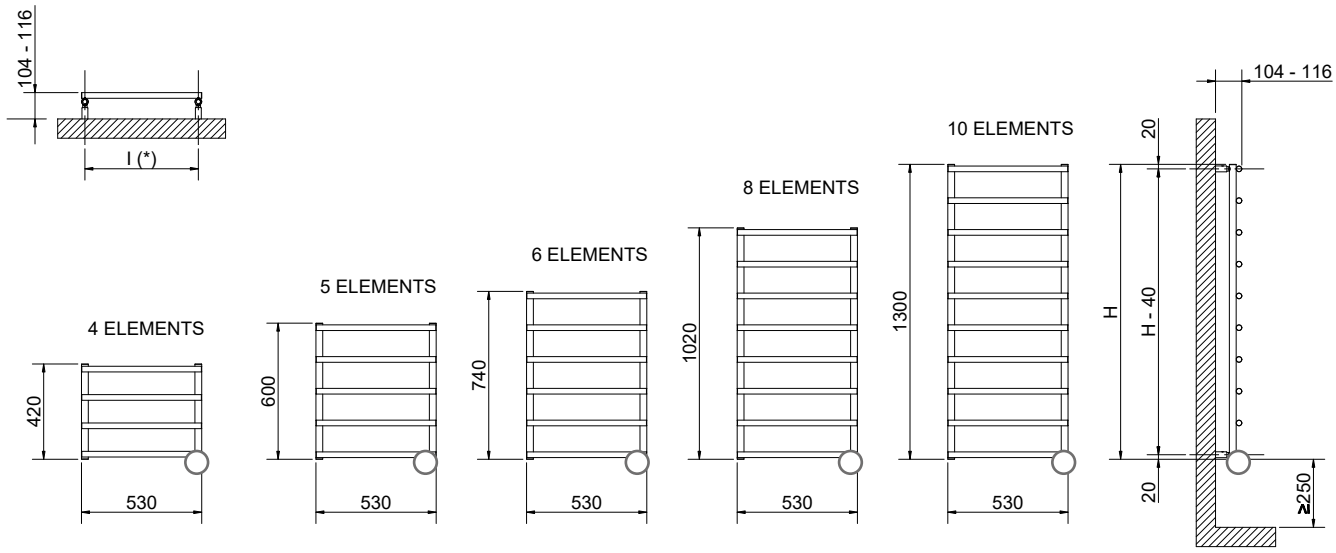
ELECTRICAL ONLY

☑ Electric resistance for DOMOTIC control

HOW TO PLACE ELECTRIC RADIATORS



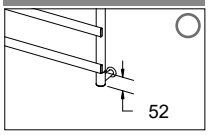
The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



(*) The fixing kit has the same pipe centre (l) as the radiator

○ The total height has to be calculated considering the height of the cable cover

CABLE COVER



LAURA ELECTRIC FOR DOMOTIC CONTROL WITH CABLE COVER
POLISHED STAINLESS STEEL

Height	Width	Fixing kit center distance		Output	Weight
[mm]	L [mm]	l [mm] (*)	Art. nr.	[Watt]	[Kg]
420	530	500	3581570400011	150	3,3
600	530	500	3581570400012	150	4,4
740	530	500	3581570400013	150	5,0
1020	530	500	3581570400014	150	5,9
1300	530	500	3581570400015	150	6,7

CLAUDIA®

BLOWER

EUROPEAN WARRANTY



Color: H09 Lago

MATERIAL:
• 30x40 mm vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.
• Heat transfer fluid.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 7°C to + 30°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug
Seasonal energy efficiency ηs: 51,6%

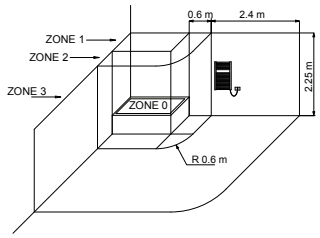
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES

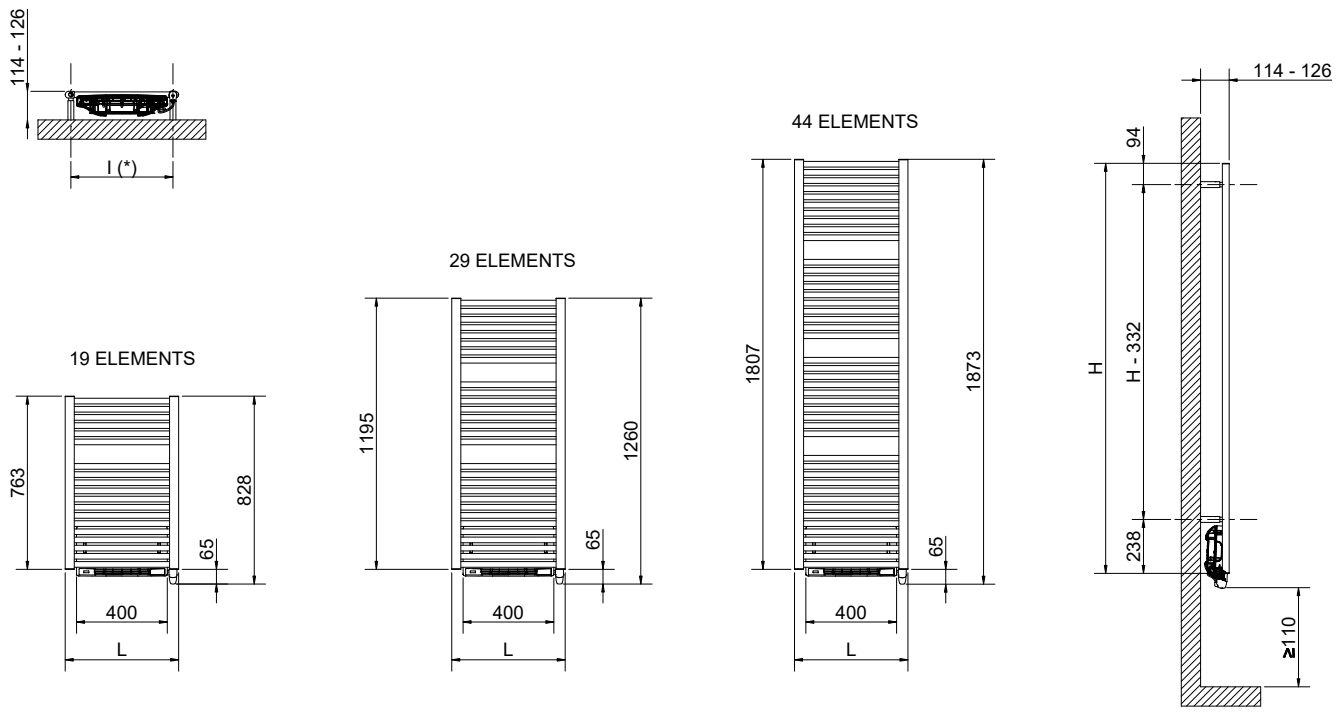


Towel bar in painted mild steel



Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (l) measure of the fixing kit

CLAUDIA® BLOWER

Height	Width	Art. nr.	Output	Blower Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Watt]	[Kg]
763	500	3581356100083	500	1000	17
1195	500	3581356100084	750	1000	24
1807	500	3581356100085	1000	1000	33

The codes shown in the table refer to the R01 White color models

ELECTRIC MODULE FOR VENTILATED FUNCTION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life

DESIGN, ERGONOMICS AND PRACTICALITY
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization



COMFORT & SMART LIVING
- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round
- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

For the radiators manufactured in colors different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

CLAUDIA®

BLOWER DUAL ENERGY

EUROPEAN WARRANTY



MATERIAL:
• 30x40 mm vertical collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 16°C to + 19°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

P. max: 8 bar
T. max: 110°C
Connections: n° 2 x 1/2" G - 1 x 1/2" G
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug

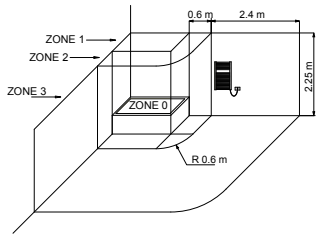
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES

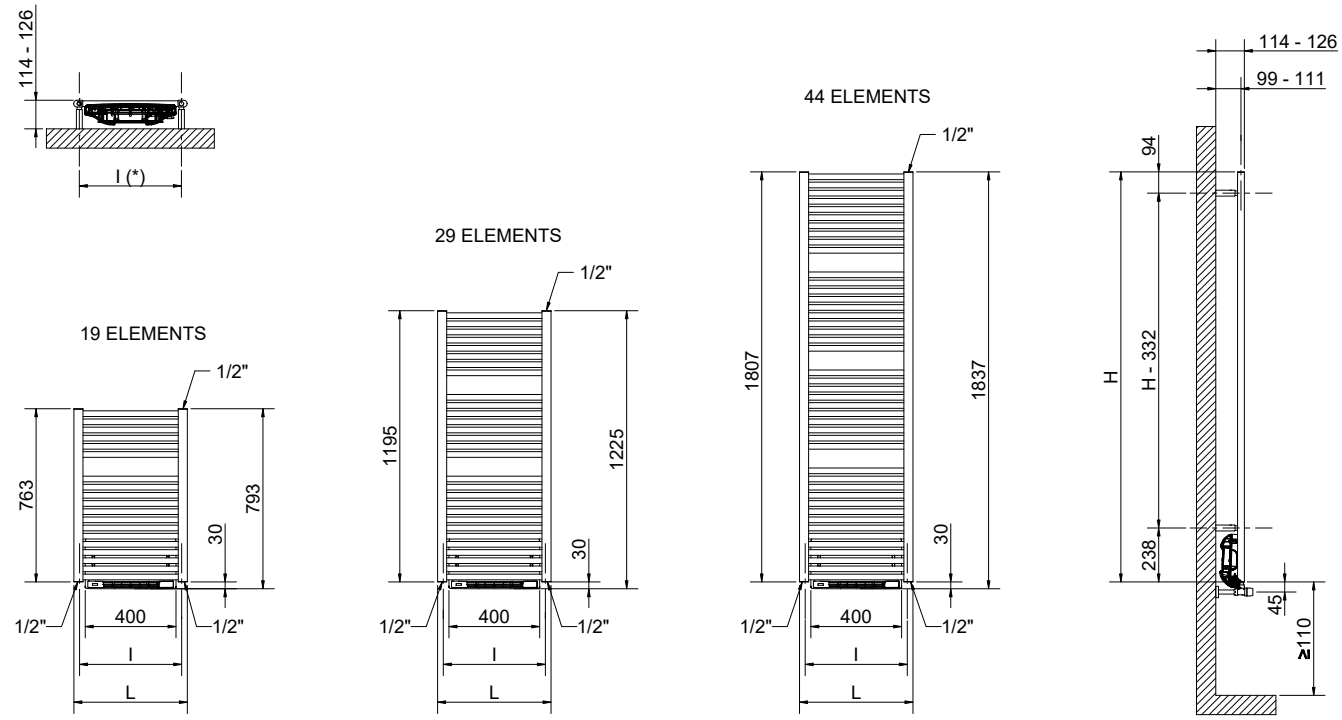


Towel bar in painted mild steel



Kit 2 colored hooks

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

CLAUDIA® BLOWER DUAL ENERGY

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exp.	Blower Output
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
763	500	450	3581356100170	10,1	0,821	4,8	**389**	206	1,2472	1000
1195	500	450	3581356100171	13,4	1,26	7,4	**595**	314	1,2488	1000
1807	500	450	3581356100172	18,1	1,91	11,3	**907**	479	1,2513	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GLORIA 22

BLOWER

EUROPEAN WARRANTY



MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- Ø 22 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 7°C to + 30°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug
Seasonal energy efficiency ηs: 51,6%

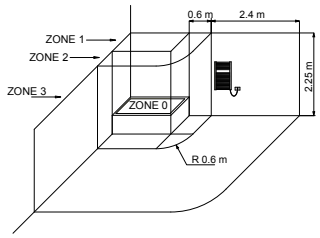
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

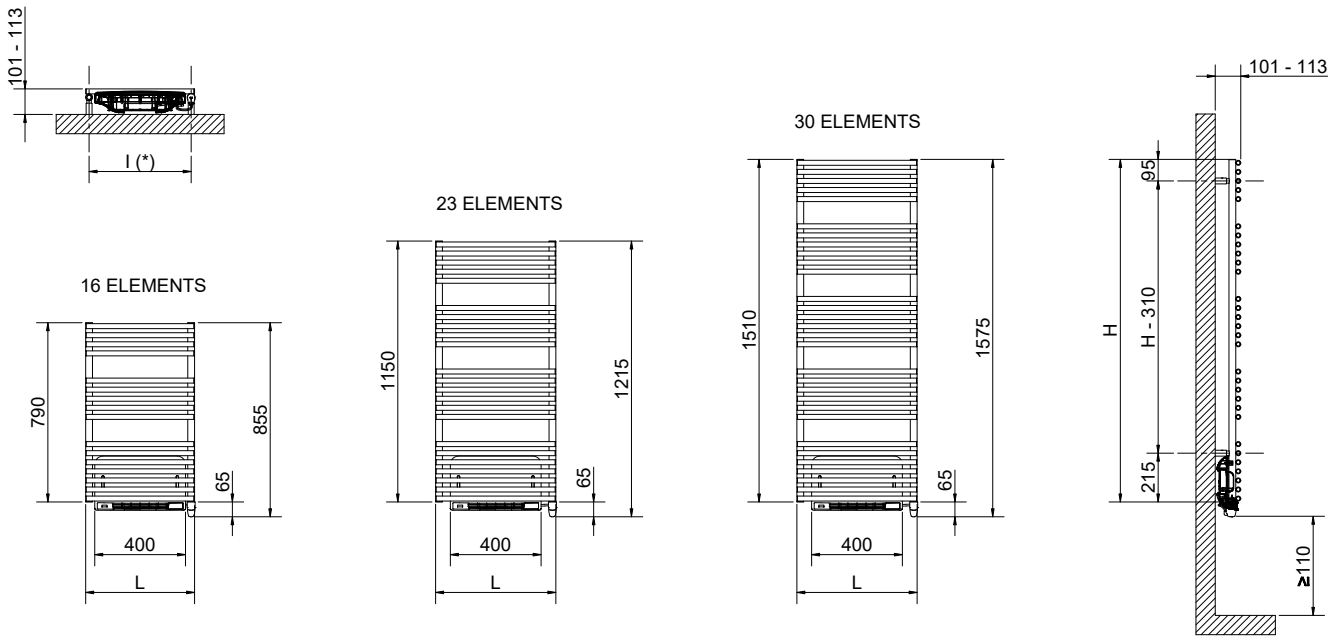
OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

GLORIA 22 BLOWER

Height	Width	Art. nr.	Output	Blower Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Watt]	[Kg]
790	480	3581666100020	500	1000	15
1150	530	3581666100021	750	1000	19
1500	530	3581666100022	1000	1000	24

The codes shown in the table refer to the R01 White color models

ELECTRIC MODULE FOR VENTILATED FUNCTION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life

DESIGN, ERGONOMICS AND PRACTICALITY
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization



COMFORT & SMART LIVING
- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round
- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

For the radiators manufactured in colors different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

GLORIA 22

BLOWER DUAL ENERGY

EUROPEAN WARRANTY



Color: RAL 7001 - R21 Silver grey

MATERIAL:
• Ø 30 mm vertical collectors in painted mild steel.
• Ø 22 mm horizontal heating elements in painted mild steel.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 16°C to + 19°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

P. max: 8 bar

T. max: 110°C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Minimum ingress protection: IP 24

Wire lenght: 1100 mm with Schuko plug

FUNCTIONING

☑ Electric

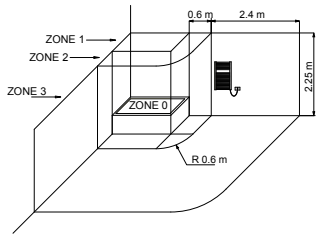
☑ With Blower electric module

☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES

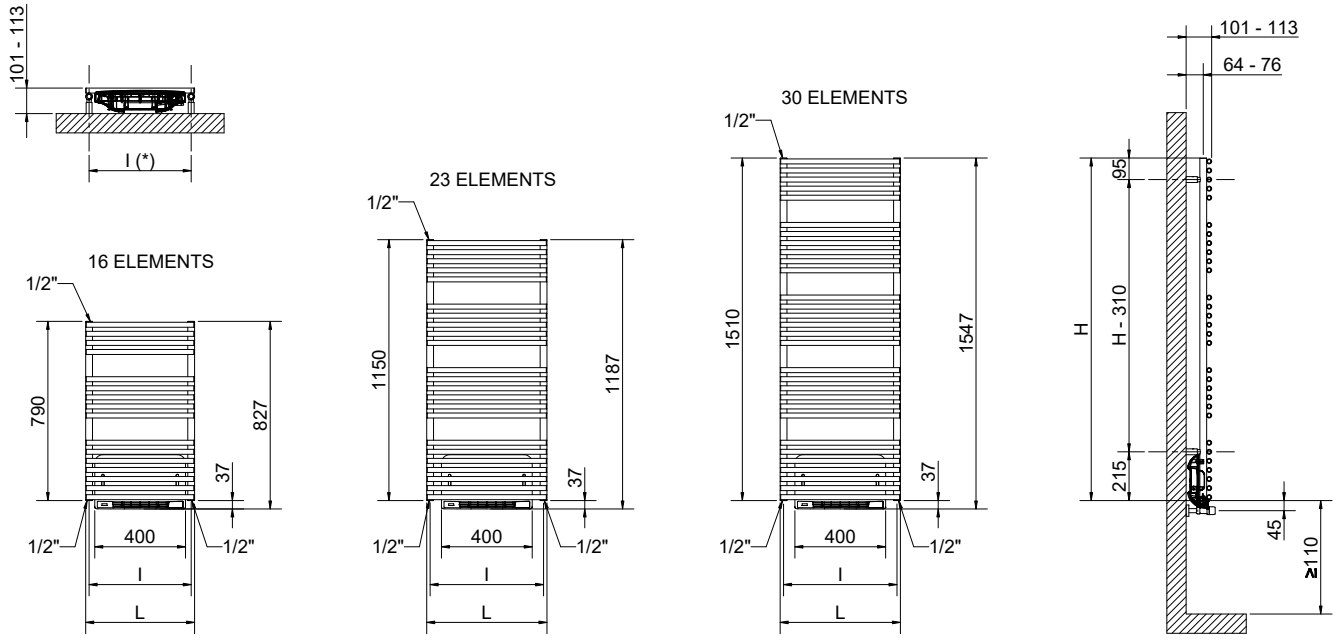


Kristal valve Total Color, angled with thermostatic option, colored



Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

GLORIA 22 BLOWER DUAL ENERGY

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Blower Output
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
790	480	450	3581666100030	10,7	0,66	3,1	**302**	164	1,1941	1000
1150	530	500	3581666100031	14,3	1,03	5	**460**	247	1,2153	1000
1510	530	500	3581666100032	17,3	1,32	6,5	**591**	318	1,2157	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

DORY

BLOWER

EUROPEAN WARRANTY



Color: RAL 1013 - R40 Pearl white

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.
• Heat transfer fluid.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 7°C to + 30°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug
Seasonal energy efficiency ηs: 51,6%

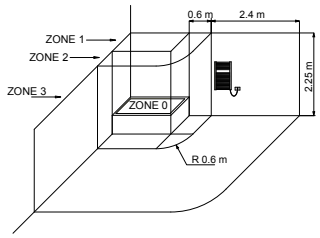
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES



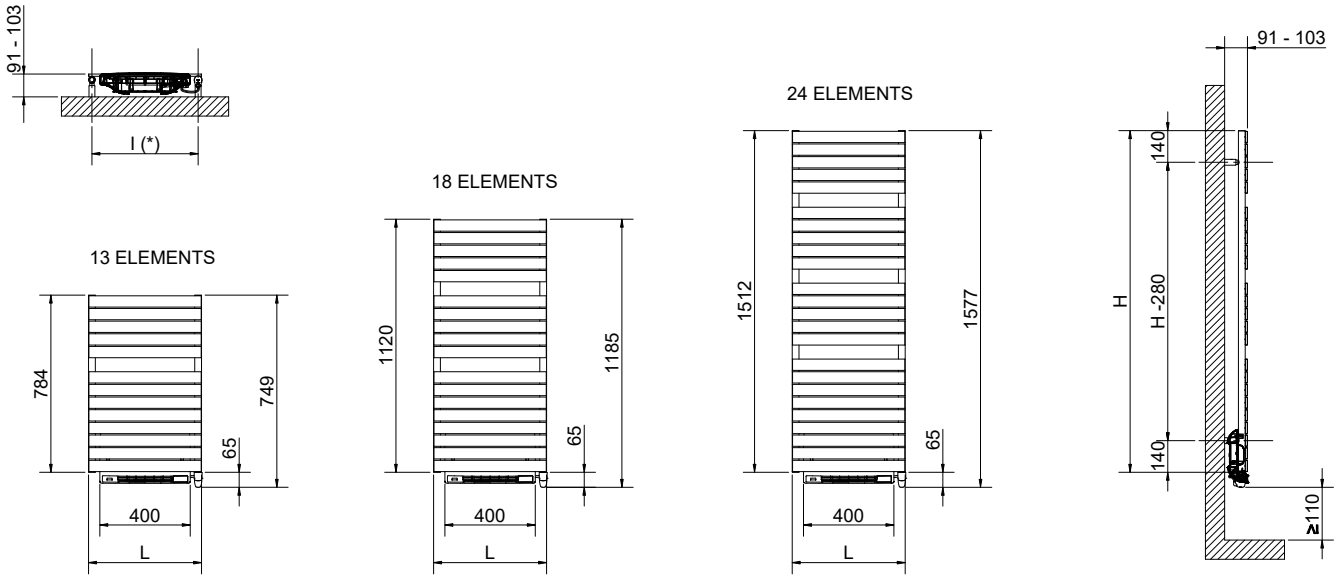
Kit 2 colored hooks



Towel bar in painted mild steel

Width 350 mm

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

DORY BLOWER

Height	Width	Art. nr.	Output	Blower Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Watt]	[Kg]
784	500	3581426100060	500	1000	19
1120	500	3581426100061	750	1000	25
1512	500	3581426100062	1000	1000	32

The codes shown in the table refer to the R01 White color models

ELECTRIC MODULE FOR VENTILATED FUNCTION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life

DESIGN, ERGONOMICS AND PRACTICALITY
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization



COMFORT & SMART LIVING
- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round
- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

For the radiators manufactured in colors different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

DORY

BLOWER DUAL ENERGY

EUROPEAN WARRANTY



Color: RAL 7001 - R21 Silver grey

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 16°C to + 19°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

P. max: 5 bar
T. max: 110°C
Connections: n° 2 x 1/2" G - 1 x 1/2" G
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug

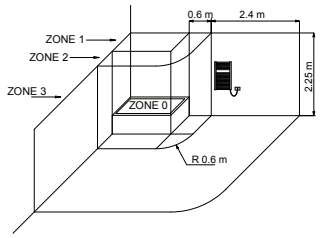
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES

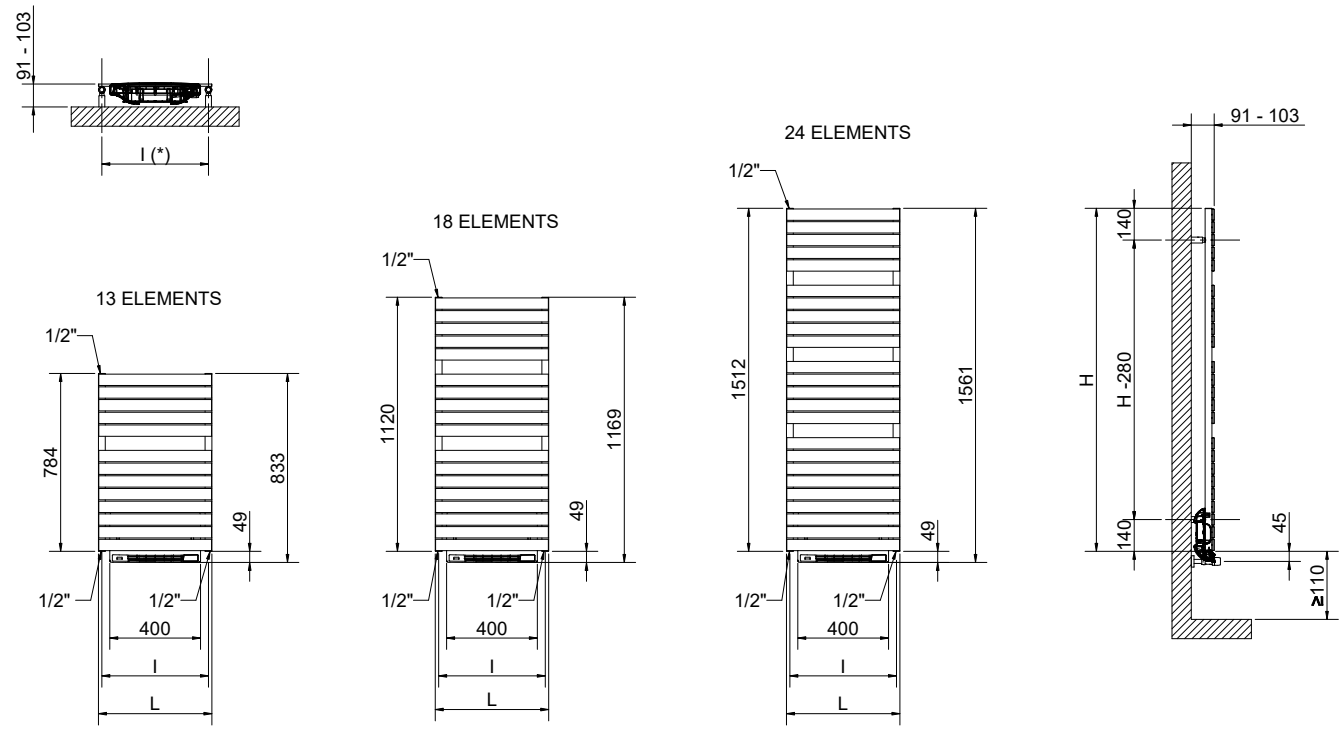


Kristal valve Total Color, angled with thermostatic option, colored



Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.



(*) Pipe center (I) measure of the fixing kit

DORY BLOWER DUAL ENERGY

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exp.	Blower Output
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
784	500	470	3581426100070	12,8	0,928	3,2	**442**	243	1,1679	1000
1120	500	470	3581426100071	16,2	1,291	4,5	**592**	326	1,1693	1000
1512	500	470	3581426100072	20,3	1,725	6,1	**767**	422	1,1709	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KELLY 5010 DX

BLOWER

EUROPEAN WARRANTY



Color: RAL 9010 - R01 White

MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• 50x10 mm horizontal heating elements in painted mild steel.
• Heat transfer fluid.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 7°C to + 30°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug
Seasonal energy efficiency ηs: 51,6%

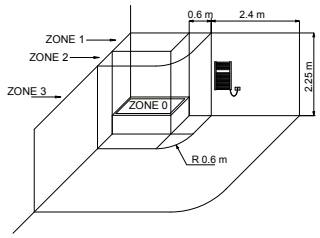
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

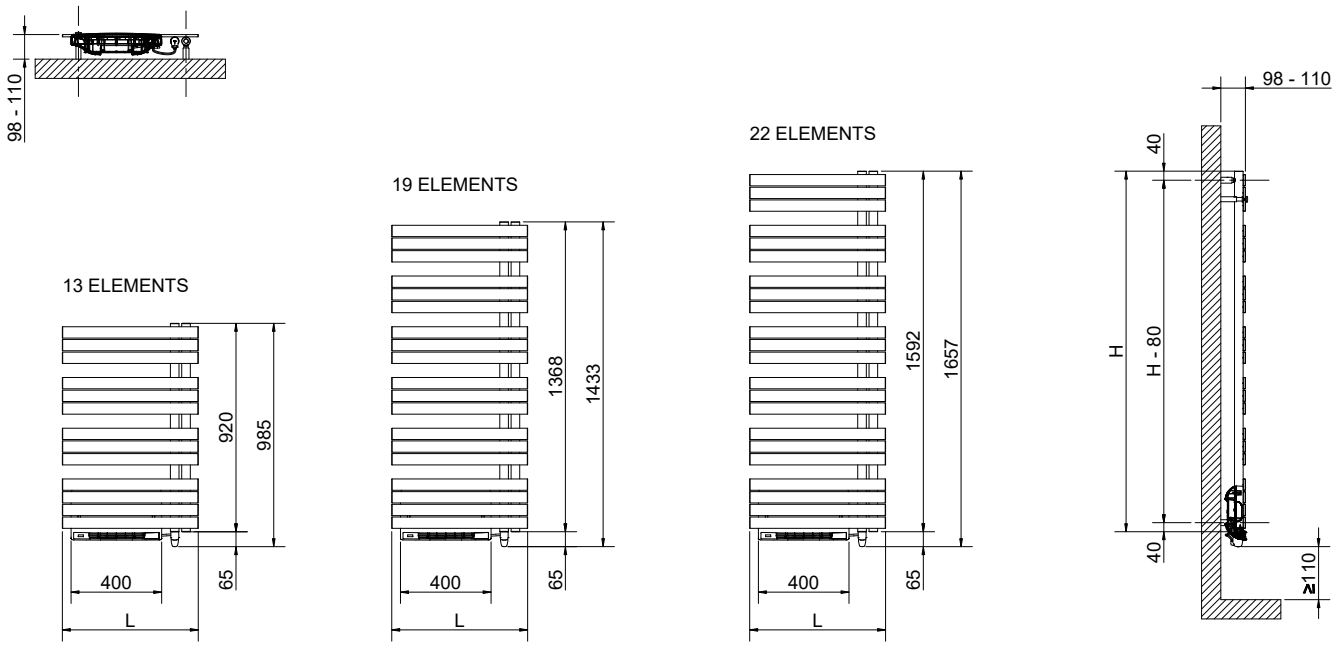
OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

Complete list, codes and details of the ACCESSORIES from page 332.



KELLY 5010 DX BLOWER

Height	Width	Art. nr.	Output	Blower Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Watt]	[Kg]
920	600	3581726100156	500	1000	20
1368	600	3581726100157	750	1000	27
1592	600	3581726100158	1000	1000	31

The codes shown in the table refer to the R01 White color models

ELECTRIC MODULE FOR VENTILATED FUNCTION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life

DESIGN, ERGONOMICS AND PRACTICALITY
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization



COMFORT & SMART LIVING
- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round
- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

For the radiators manufactured in colors different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

KELLY 5010 SX

BLOWER

EUROPEAN WARRANTY



MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- 50x10 mm horizontal heating elements in painted mild steel.
- Heat transfer fluid.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 7°C to + 30°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

Class protection: CLASS 2
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug
Seasonal energy efficiency ηs: 51,6%

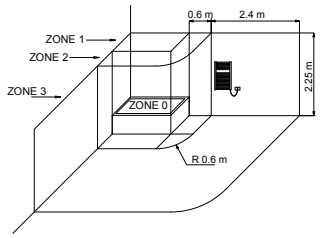
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

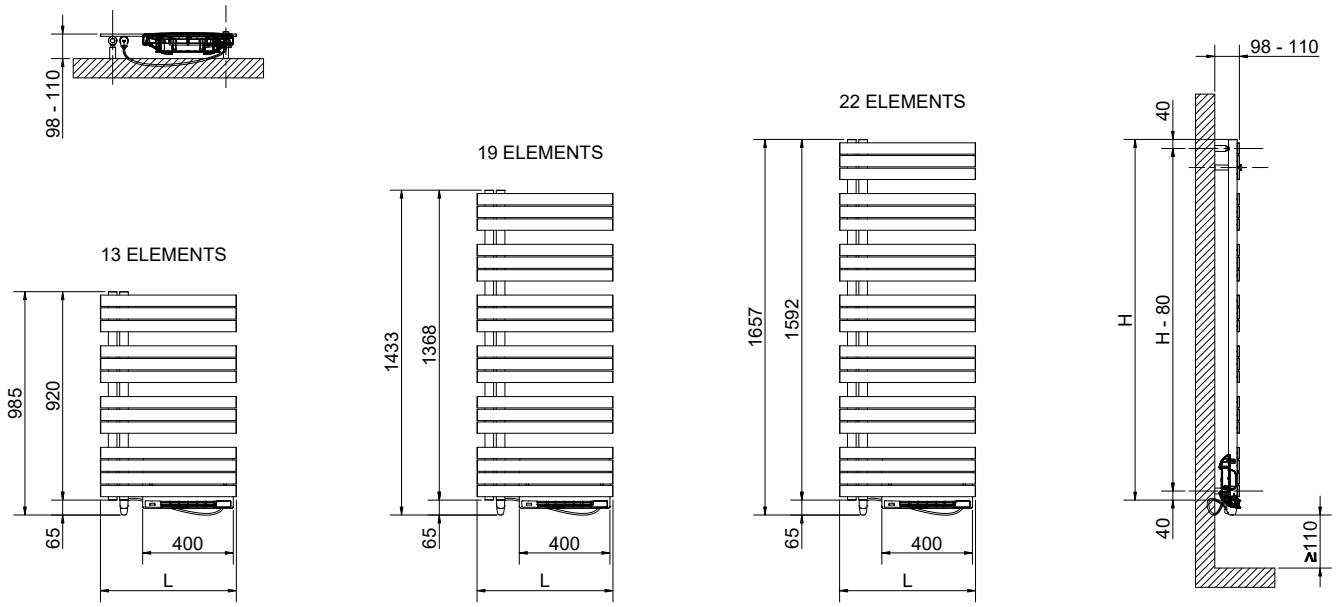
OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

Complete list, codes and details of the ACCESSORIES from page 332.



KELLY 5010 SX BLOWER

Height	Width	Art. nr.	Output	Blower Output	Weight
[mm]	L [mm]	R01 White	[Watt]	[Watt]	[Kg]
920	600	3581726100159	500	1000	20
1368	600	3581726100160	750	1000	27
1592	600	3581726100161	1000	1000	31

The codes shown in the table refer to the R01 White color models

ELECTRIC MODULE FOR VENTILATED FUNCTION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life

DESIGN, ERGONOMICS AND PRACTICALITY
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization



COMFORT & SMART LIVING
- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round
- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

For the radiators manufactured in colors different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

KELLY 5010 (RIGHT OR LEFT)

BLOWER DUAL ENERGY

EUROPEAN WARRANTY



MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- 50x10 mm horizontal heating elements in painted mild steel.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving.
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: + 16°C to + 19°C.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
The radiator is protected by recyclable cardboard box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

FEATURES

P. max: 5 bar
T. max: 110°C
Connections: n° 2 x 1/2" G - 1 x 1/2" G
Minimum ingress protection: IP 24
Wire lenght: 1100 mm with Schuko plug

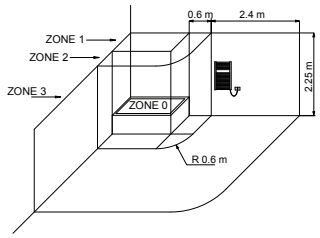
FUNCTIONING

- ☑ Electric
- ☑ With Blower electric module
- ☑ Blower dual energy

CERTIFICATES

CE VDI 6036 COMPLIANT WITH

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP

Cordivari ErP electric radiators are characterised by high efficiency. These models comply with EU Regulation 2024/1103. The seasonal energy efficiency of these fixed electric space heating appliances, with nominal Thermal output >250 W, is over 46% in all models. Each of the ErP electric radiators is equipped with at least electronic temperature control, window opening detection, weekly programming and stand-by power consumption <0.5 W (or 2.0 W in Wi-Fi mode, where applicable).

OPTIONAL



RF WIRELESS
Remote Control

Remote control of "BLOWER" ventilated functioning

AVAILABLE ACCESSORIES



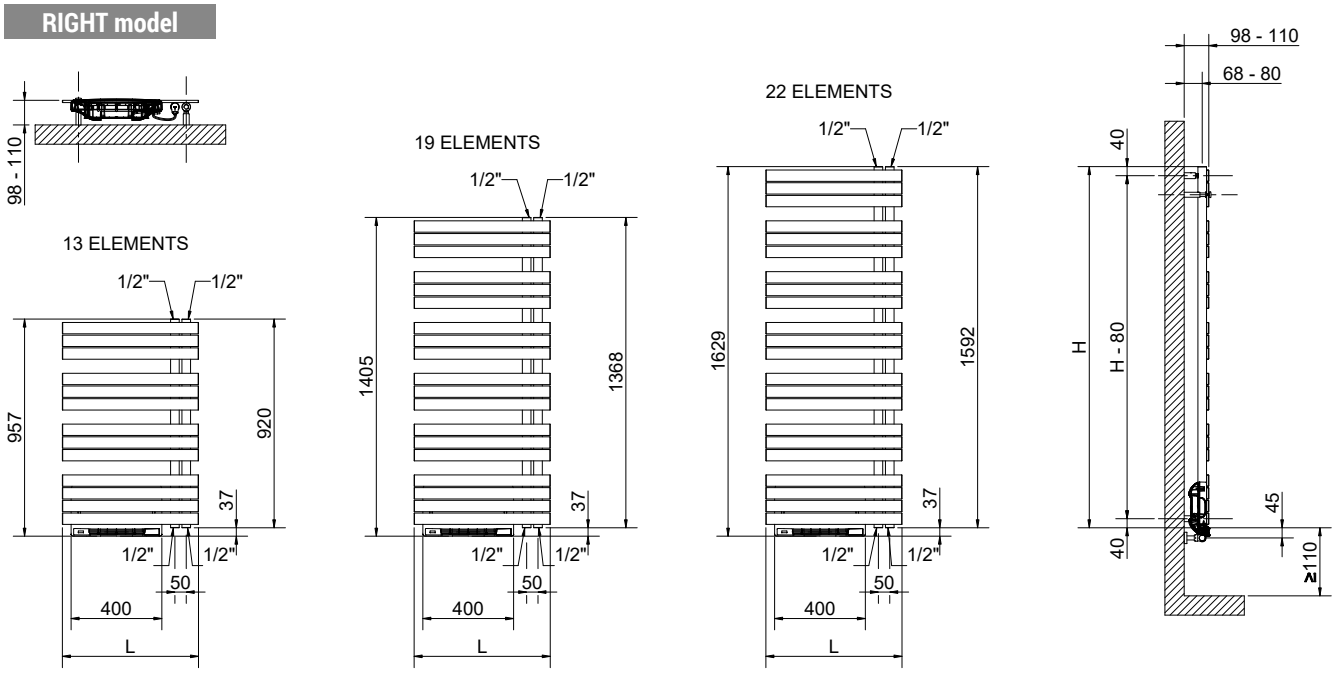
Kristal valve Total Color, angled with thermostatic option, colored



Thermostatic head Kristal TC fully colored

Complete list, codes and details of the ACCESSORIES from page 332.

RIGHT model



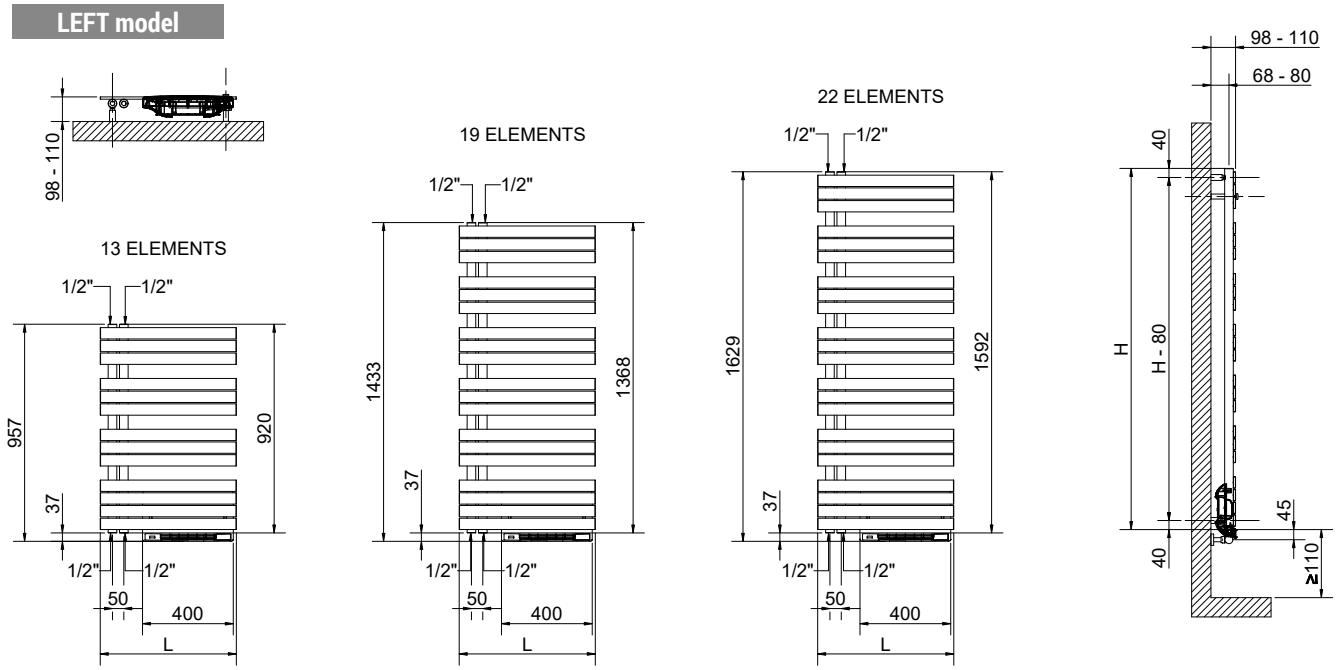
KELLY 5010 DX BLOWER DUAL ENERGY

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Blower Output
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
920	600	50	3581726100213	14,7	1,10	4,33	**443**	234	1,2536	1000
1368	600	50	3581726100214	19,5	1,60	6,53	**637**	336	1,2533	1000
1592	600	50	3581726100215	22,0	1,86	7,63	**742**	388	1,2696	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LEFT model



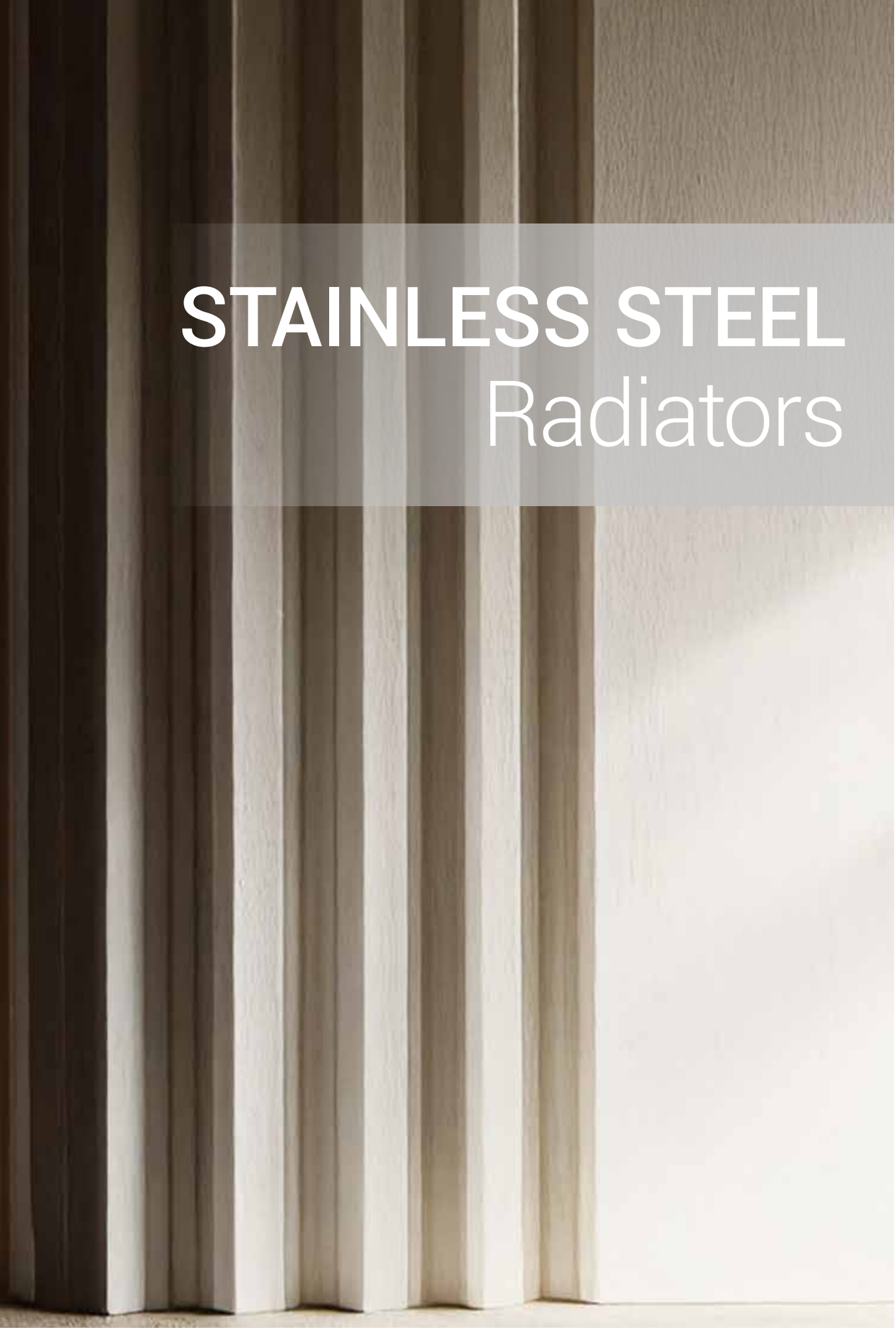
KELLY 5010 SX BLOWER DUAL ENERGY

Height	Width	Pipe Centres	Art. nr.	Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exp.	Blower Output
[mm]	L [mm]	I [mm]	R01 White	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
920	600	50	3581726100210	14,7	1,10	4,33	**443**	234	1,2536	1000
1368	600	50	3581726100211	19,5	1,60	6,53	**637**	336	1,2533	1000
1592	600	50	3581726100212	22,0	1,86	7,63	**742**	388	1,2696	1000

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**





STAINLESS STEEL
Radiators

ELEN 18

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• Ø 18 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 130)
- ☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

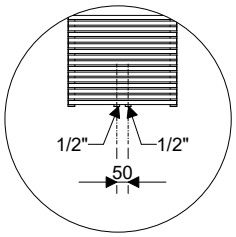


Towel bar polished stainless steel

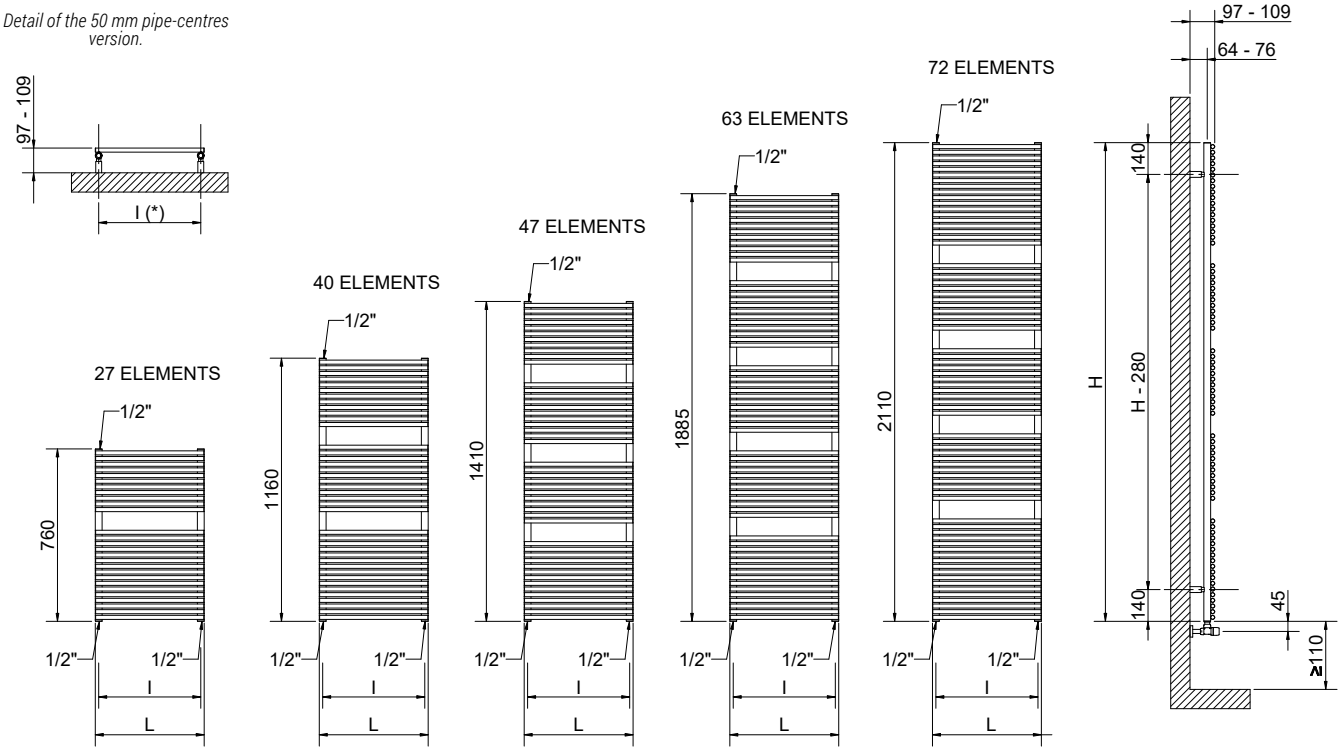


Kit 2 hooks polished stainless steel

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

ELEN 18 POLISHED STAINLESS STEEL

Height	Width	Pipe Centres		PIPE CENTRES 50 mm	Thermal output						
					Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
760	430	400	3551440133130	3551440133147	7,8	0,8	3,5	**301**	166	1,1706	300
	480	450	3551440133134	3551440133151	9,2	0,9	4,0	**337**	185	1,1698	400
1160	430	400	3551440133131	3551440133148	11,5	1,2	5,3	**424**	225	1,2370	500
	480	450	3551440133135	3551440133152	13,7	1,4	6,0	**473**	252	1,2329	600
	530	500	3551440133138	3551440133155	15,7	1,6	6,8	**521**	278	1,2288	600
	580	550	3551440133142	3551440133159	19,8	2,1	8,3	**570**	305	1,2246	700
1410	430	400	3551440133132	3551440133149	13,7	1,4	6,3	**506**	270	1,2313	600
	480	450	3551440133136	3551440133153	16,2	1,7	7,2	**562**	300	1,2280	700
	530	500	3551440133139	3551440133156	18,6	1,9	8,1	**618**	331	1,2248	700
	580	550	3551440133143	3551440133160	23,3	2,4	9,9	**674**	361	1,2216	700
1885	430	400	3551440133133	3551440133150	18,3	1,9	8,4	**676**	355	1,2612	700
	480	450	3551440133137	3551440133154	21,7	2,2	9,6	**747**	394	1,2544	900
	530	500	3551440133140	3551440133157	24,9	2,6	10,8	**819**	433	1,2475	900
	580	550	3551440133144	3551440133161	31,2	3,3	13,2	**891**	473	1,2406	900
2110	530	500	3551440133141	3551440133158	24,6	2,5	10,9	**924**	486	1,2583	900
	580	550	3551440133145	3551440133162	28,3	2,9	12,3	**1003**	530	1,2497	1200
	730	700	3551440133146	3551440133163	35,6	3,8	15,0	**1242**	665	1,2240	1200

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ELEN 18

SATIN STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in satin stainless steel.
• Ø 18 mm horizontal elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option satin

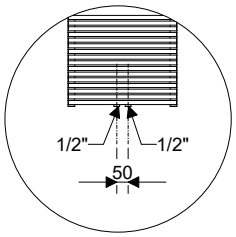


Kristal valve corner Right or Left thermostatic option satin

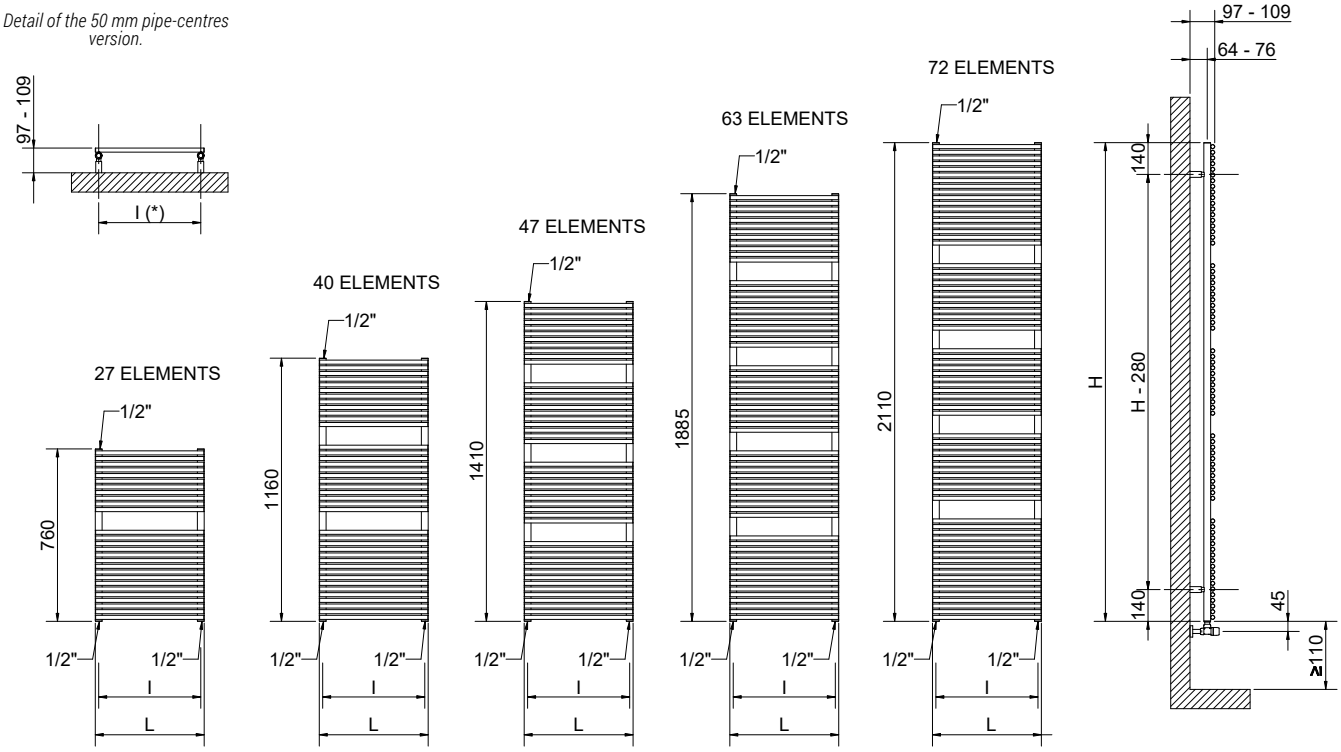


Towel bar satin stainless steel

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

ELEN 18 SATIN STAINLESS STEEL

Height	Width	Pipe Centres		PIPE CENTRES 50 mm	Thermal output						
					Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
760	430	400	3551590133040	3551590133057	7,8	0,8	3,5	**313**	166	1,2426	400
	480	450	3551590133044	3551590133061	9,2	0,9	4,0	**350**	186	1,2353	400
1160	430	400	3551590133041	3551590133058	11,5	1,2	5,3	**455**	240	1,2527	500
	480	450	3551590133045	3551590133062	13,7	1,4	6,0	**507**	268	1,2451	600
	530	500	3551590133048	3551590133065	15,7	1,6	6,8	**559**	297	1,2374	700
	580	550	3551590133052	3551590133069	19,8	2,1	8,3	**611**	326	1,2298	700
1410	430	400	3551590133042	3551590133059	13,7	1,4	6,3	**545**	293	1,2162	700
	480	450	3551590133046	3551590133063	16,2	1,7	7,2	**606**	326	1,2130	700
	530	500	3551590133049	3551590133066	18,6	1,9	8,1	**667**	360	1,2099	700
	580	550	3551590133053	3551590133070	23,3	2,4	9,9	**728**	393	1,2067	900
1885	430	400	3551590133043	3551590133060	18,3	1,9	8,4	**723**	384	1,2362	900
	480	450	3551590133047	3551590133064	21,7	2,2	9,6	**800**	426	1,2315	900
	530	500	3551590133050	3551590133067	24,9	2,6	10,8	**878**	469	1,2268	900
	580	550	3551590133054	3551590133071	31,2	3,3	13,2	**955**	512	1,2221	1200
2110	530	500	3551590133051	3551590133068	24,6	2,5	10,9	**981**	522	1,2348	1200
	580	550	3551590133055	3551590133072	28,3	2,9	12,3	**1067**	569	1,2293	1200
	730	700	3551590133056	3551590133073	35,6	3,8	15,0	**1322**	711	1,2129	1200

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ELEN 18 WIDE

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• Ø 18 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

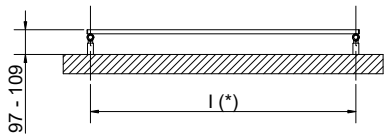


Kristal valve corner Right or Left with thermostatic option chromed

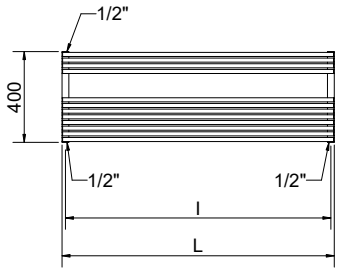


Kit 2 hooks polished stainless steel

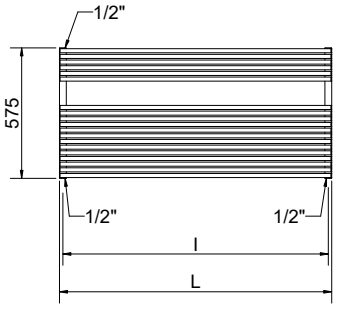
Complete list, codes and details of the ACCESSORIES from page 332.

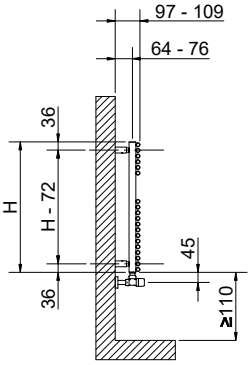


12 ELEMENTS



19 ELEMENTS





(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

ELEN 18 WIDE POLISHED STAINLESS STEEL

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
400	1200	1170	3551440130205	6,3	0,89	3,5	**387**	210	1,1980	-
	1400	1370	3551440130206	7,3	1,025	3,9	**444**	232	1,2727	-
575	1200	1170	3551440130207	9,9	1,4	5,4	**600**	327	1,1910	300
	1400	1370	3551440130208	11,4	1,6	6,2	**701**	375	1,2231	300

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ELEN 22

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• Ø 18 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

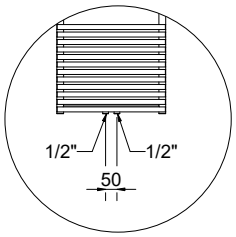


Kristal valve corner Right or Left with thermostatic option chromed

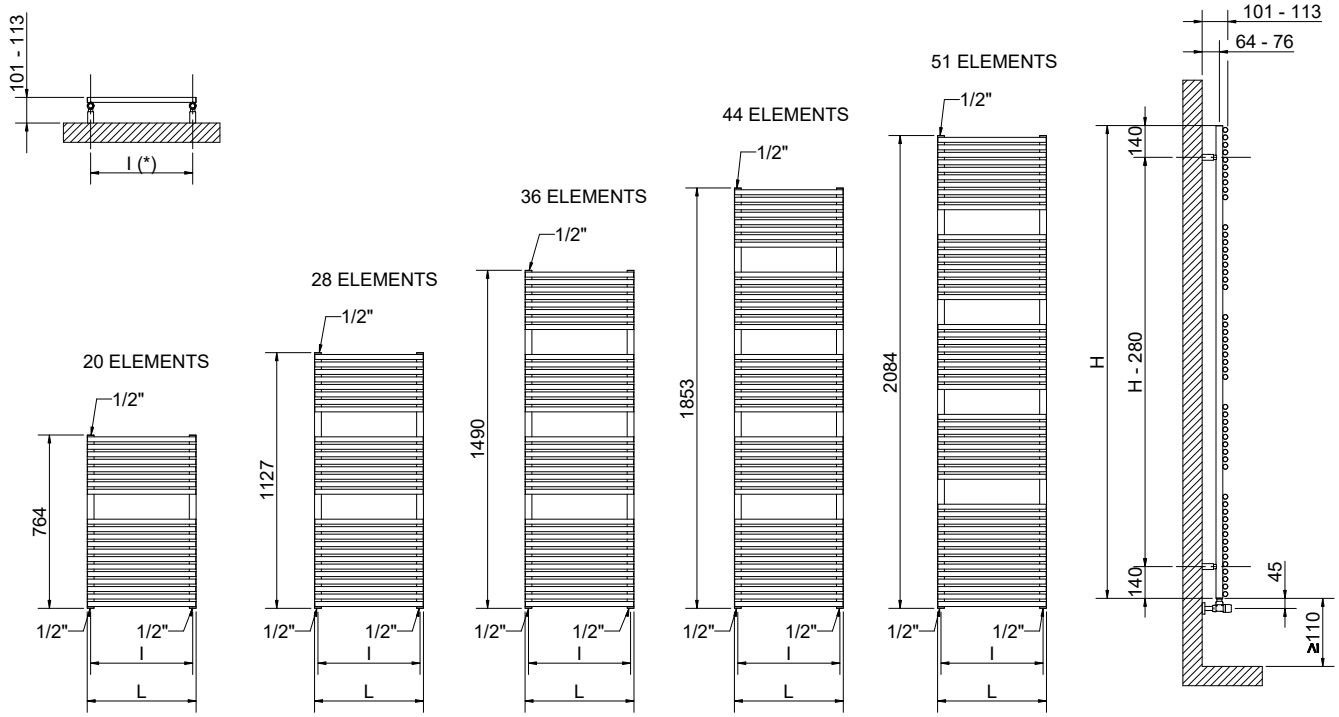


Thermostatic head Kristal TC chromed

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

ELEN 22 POLISHED STAINLESS STEEL

Height	Width	Pipe Centres		PIPE CENTRES 50 mm	Thermal output						
					Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
764	430	400	3551440133080	3551440133110	5,8	0,74	3,62	**276**	147	1,2334	-
	480	450	3551440133085	3551440133114	6,3	0,81	3,93	**305**	163	1,2248	300
1127	430	400	3551440133081	3551440133111	8,2	1,04	5,13	**387**	206	1,2348	400
	480	450	3551440133086	3551440133115	8,9	1,14	5,57	**426**	228	1,2265	400
	530	500	3551440133091	3551440133119	9,6	1,24	6,01	**466**	250	1,2181	400
	580	550	3551440133096	3551440133123	10,3	1,33	6,45	**505**	272	1,2098	500
1490	430	400	3551440133082	3551440133112	10,6	1,35	6,65	**503**	268	1,2289	500
	480	450	3551440133087	3551440133116	11,5	1,48	7,21	**553**	296	1,2233	500
	530	500	3551440133092	3551440133120	12,4	1,60	7,78	**604**	324	1,2178	600
	580	550	3551440133097	3551440133124	13,4	1,72	8,34	**654**	352	1,2122	600
1853	430	400	3551440133083	3551440133113	13,0	1,66	8,16	**628**	338	1,2147	600
	480	450	3551440133088	3551440133117	14,1	1,81	8,85	**689**	371	1,2123	700
	530	500	3551440133093	3551440133121	15,2	1,96	9,54	**750**	404	1,2099	700
	580	550	3551440133098	3551440133125	16,4	2,11	10,23	**811**	438	1,2076	700
2084	480	450	3551440133089	3551440133118	16,2	2,08	10,18	**781**	422	1,2053	700
	530	500	3551440133094	3551440133122	17,6	2,26	10,99	**849**	459	1,2049	700
	580	550	3551440133099	3551440133126	18,9	2,44	11,79	**917**	496	1,2046	900
	730	700	3551440133104	3551440133127	22,9	2,97	14,19	**1122**	606	1,2037	1000

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ELEN 22

SATIN STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in satin stainless steel.
• Ø 22 mm horizontal elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option satin

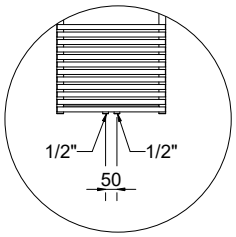


Kristal valve corner Right or Left thermostatic option satin

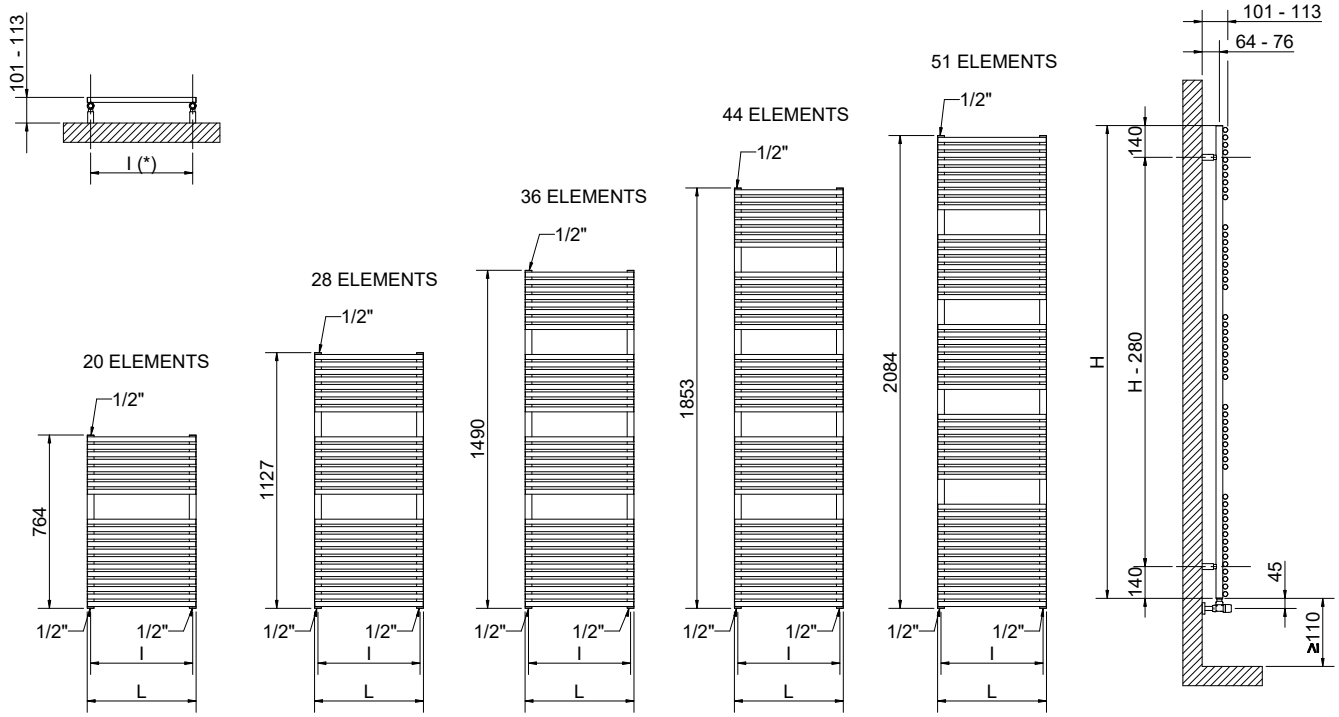


Pair of satin tube cover kit

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

ELEN 22 SATIN STAINLESS STEEL

PIPE CENTRES 50 mm

Height	Width	Pipe Centres			Thermal output						
					Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
764	430	400	3551590133100	3551590133130	5,8	0,74	3,62	**287**	153	1,2433	300
	480	450	3551590133105	3551590133134	6,3	0,81	3,93	**317**	170	1,2352	300
1127	430	400	3551590133101	3551590133131	8,2	1,04	5,13	**402**	214	1,245	400
	480	450	3551590133106	3551590133135	8,9	1,14	5,57	**443**	237	1,2364	400
	530	500	3551590133111	3551590133139	9,6	1,24	6,01	**485**	260	1,2284	500
	580	550	3551590133116	3551590133143	10,3	1,33	6,45	**525**	283	1,2198	500
1490	430	400	3551590133102	3551590133132	10,6	1,35	6,65	**523**	279	1,2389	500
	480	450	3551590133107	3551590133136	11,5	1,48	7,21	**575**	308	1,2332	600
	530	500	3551590133112	3551590133140	12,4	1,60	7,78	**628**	337	1,228	600
	580	550	3551590133117	3551590133144	13,4	1,72	8,34	**680**	366	1,2223	700
1853	430	400	3551590133103	3551590133133	13,0	1,66	8,16	**653**	352	1,2247	600
	480	450	3551590133108	3551590133137	14,1	1,81	8,85	**717**	386	1,2223	700
	530	500	3551590133113	3551590133141	15,2	1,96	9,54	**780**	420	1,2199	700
	580	550	3551590133118	3551590133145	16,4	2,11	10,23	**843**	456	1,2175	700
2084	480	450	3551590133109	3551590133138	16,2	2,08	10,18	**812**	430	1,2158	700
	530	500	3551590133114	3551590133142	17,6	2,26	10,99	**883**	477	1,2153	900
	580	550	3551590133119	3551590133146	18,9	2,44	11,79	**954**	516	1,2149	900
	730	700	3551590133124	3551590133147	22,9	2,97	14,19	**1167**	630	1,2146	1200

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

SANDY

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 38 mm vertical collectors in polished stainless steel da.
• Ø 25 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE · EURONORM EN 442-1 RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH · NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 132)
- ☑ Dual energy (see page 350)

NF range ☑:
Hot water radiators, convectors, and radiant panels- NF 047

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

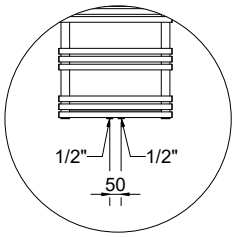


Thermostatic head Kristal TC chromed

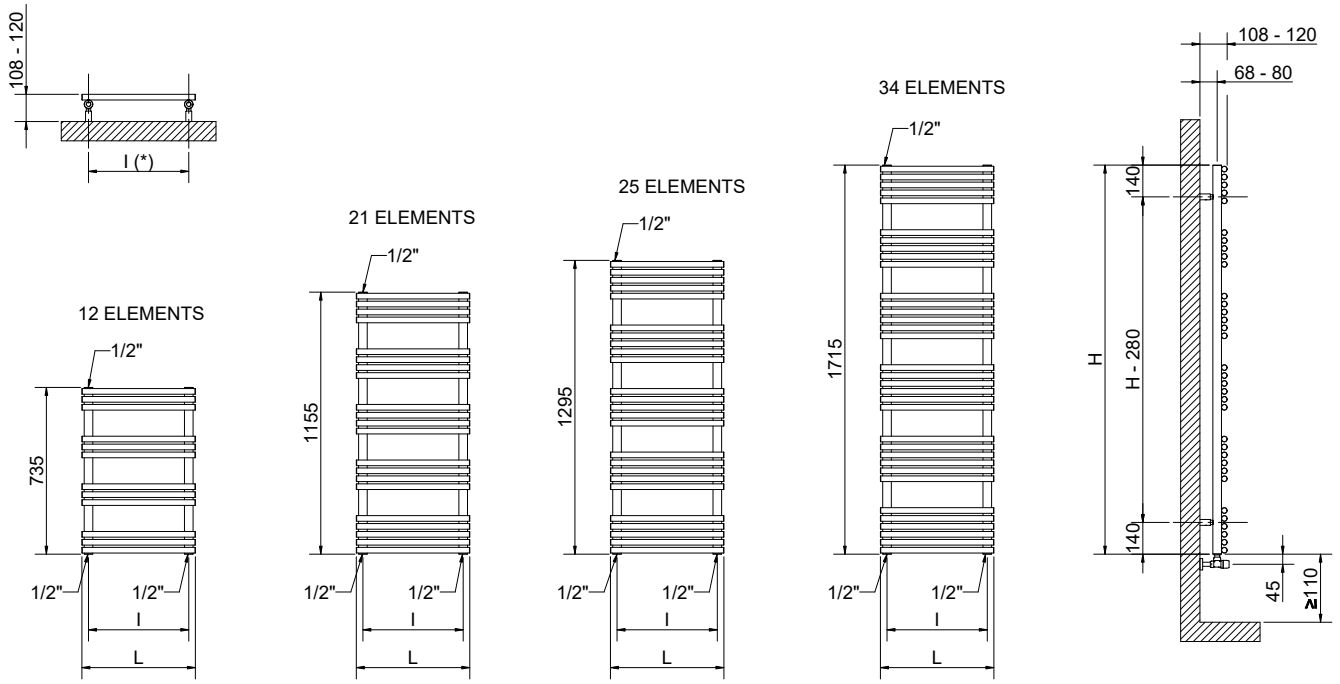


Kit 2 hooks polished stainless steel

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

SANDY POLISHED STAINLESS STEEL

Height	Width	Cert.	Pipe Centres		PIPE CENTRES 50 mm	Thermal output						
						Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	NF	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
735	400	☑	342	3551440130250	3551440130270	5,8	0,55	3,3	**217**	117	1,2120	-
	500	☑	442	3551440130254	3551440130274	6,7	0,64	3,8	**256**	139	1,2020	-
1155	400	☑	342	3551440130251	3551440130271	9,7	0,93	5,6	**340**	181	1,2357	300
	500	☑	442	3551440130255	3551440130275	11,2	1,10	6,4	**408**	219	1,2166	400
	600	☑	542	3551440130258	3551440130278	12,7	1,26	7,3	**476**	257	1,2030	500
	800		742	3551440130261	3551440130281	15,6	1,59	9,0	**612**	334	1,1850	600
1295	400	☑	342	3551440130252	3551440130272	11,3	1,09	6,5	**396**	210	1,2462	400
	500	☑	442	3551440130256	3551440130276	13,1	1,29	7,5	**475**	254	1,2231	500
	600	☑	542	3551440130259	3551440130279	14,9	1,49	8,5	**555**	300	1,2066	500
	800		742	3551440130262	3551440130282	18,4	1,88	10,5	**715**	390	1,1849	700
1715	400	☑	342	3551440130253	3551440130273	15,2	1,47	8,7	**528**	276	1,2699	500
	500	☑	442	3551440130257	3551440130277	17,7	1,75	10,1	**630**	335	1,2377	600
	600	☑	542	3551440130260	3551440130280	20,1	2,01	11,5	**733**	394	1,2148	700
	800		742	3551440130263	3551440130283	24,8	2,54	14,2	**939**	513	1,1845	900

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LEILA

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• Ø 18 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

- ☑ Hot water
- ☑ Electric (see page 134)
- ☑ Dual energy (see page 350)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

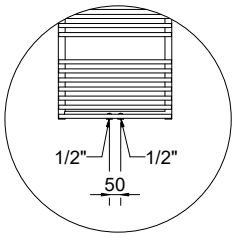


Kristal valve corner Right or Left with thermostatic option chromed

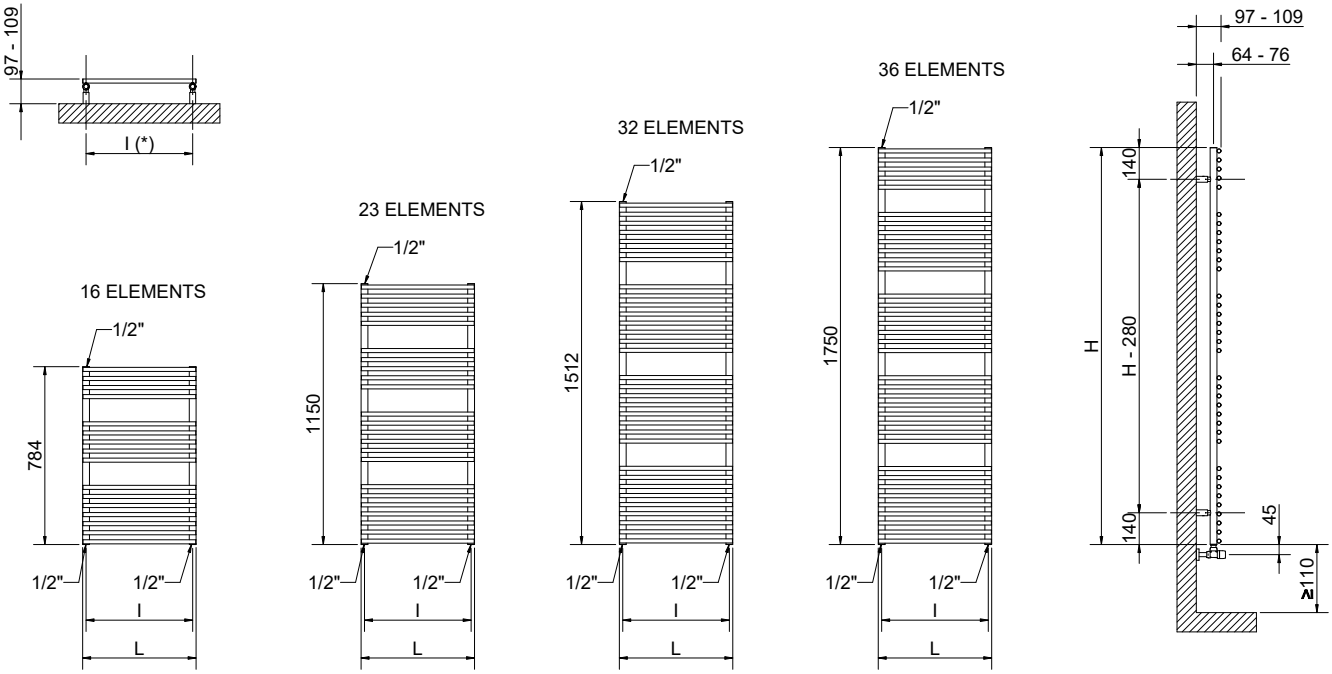


Thermostatic head Kristal TC chromed

Complete list, codes and details of the ACCESSORIES from page 332.



Detail of the 50 mm pipe-centres version.



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves

LEILA POLISHED STAINLESS STEEL

PIPE CENTRES 50 mm

Height	Width	Pipe Centres			Thermal output						
					Dry Weight	Surface	Water content	**Δt 50°C**	Δt 30°C	Exp.	Dual energy kit
[mm]	L [mm]	I [mm]	Art. nr.	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n	[Watt]
784	400	370	3551560400001	3551560400051	5,7	0,50	2,0	**217**	118	1,2007	-
	450	420	3551560400002	3551560400052	6,2	0,55	2,2	**237**	129	1,1963	-
	500	470	3551560400003	3551560400053	6,6	0,60	2,3	**258**	140	1,1919	-
	600	570	3551560400005	3551560400055	7,6	0,69	2,6	**299**	163	1,1831	300
1150	400	370	3551560400006	3551560400056	8,2	0,73	3,0	**313**	167	1,2306	300
	450	420	3551560400007	3551560400057	8,9	0,82	3,1	**342**	182	1,2324	300
	500	470	3551560400008	3551560400058	9,6	0,87	3,3	**370**	197	1,2342	300
	600	570	3551560400010	3551560400060	11,0	0,99	3,7	**428**	227	1,2378	400
	800	770	3551560400021	3551560400071	13,3	1,27	4,5	**544**	288	1,2426	500
1512	400	370	3551560400011	3551560400061	11,2	1,00	4,0	**416**	220	1,2434	400
	450	420	3551560400012	3551560400062	12,1	1,10	4,3	**455**	242	1,2393	400
	500	470	3551560400013	3551560400063	13,1	1,19	4,6	**493**	262	1,2352	500
	600	570	3551560400015	3551560400065	15,1	1,37	5,1	**570**	305	1,2270	600
	800	770	3551560400022	3551560400072	18,3	1,73	6,2	**724**	389	1,2159	700
1750	400	370	3551560400016	3551560400066	12,7	1,14	4,6	**490**	259	1,2518	500
	450	420	3551560400017	3551560400067	13,8	1,25	4,9	**536**	284	1,2438	500
	500	470	3551560400018	3551560400068	14,9	1,34	5,2	**581**	307	1,2459	600
	600	570	3551560400020	3551560400070	17,1	1,55	5,9	**673**	361	1,2199	700
	800	770	3551560400023	3551560400073	20,7	1,95	7,1	**857**	468	1,1852	900

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ALESSANDRA

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• 30x10 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Electric (see page 136)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

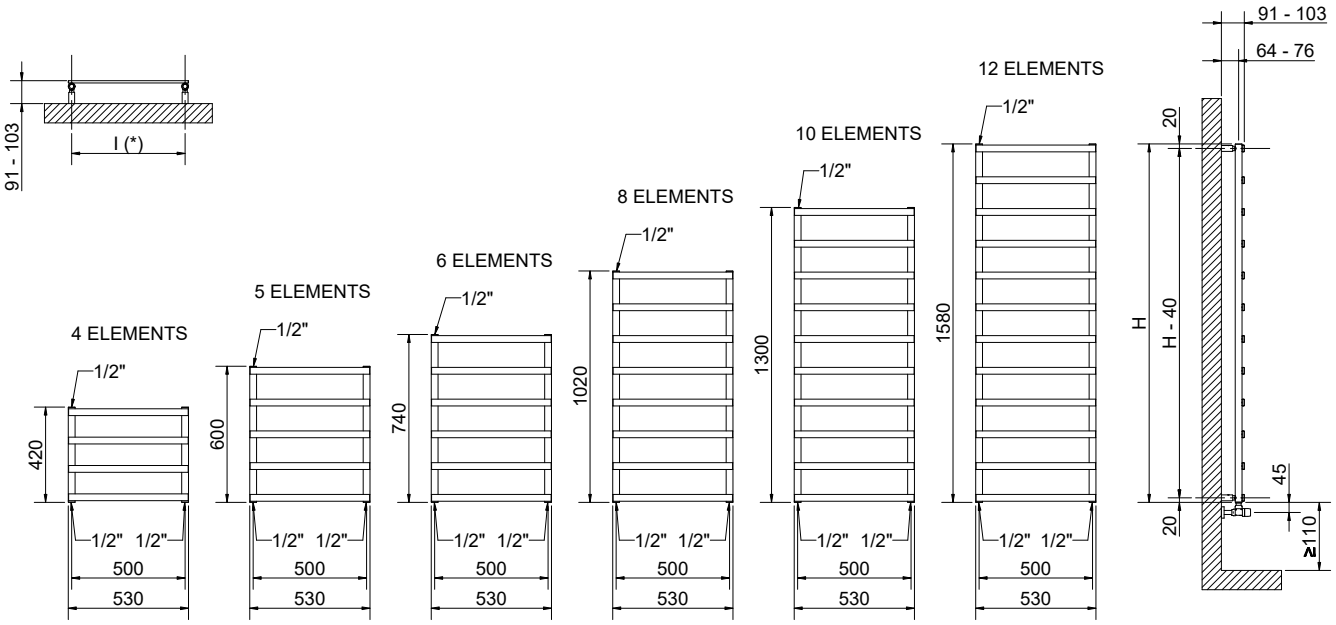


Kristal valve corner Right or Left with thermostatic option chromed



Thermostatic head Kristal TC chromed

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

ALESSANDRA POLISHED STAINLESS STEEL

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551680400001	2,49	0,25	0,92	**122**	68	1,1437
600	530	500	3551680400002	3,25	0,32	1,24	**152**	85	1,1529
740	530	500	3551680400003	4,01	0,39	1,51	**177**	98	1,1601
1020	530	500	3551680400004	4,77	0,53	2,05	**228**	125	1,1814
1300	530	500	3551680400005	5,52	0,66	2,59	**286**	157	1,1804
1580	530	500	3551680400006	6,27	0,81	3,13	**353**	193	1,1795

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

ALESSANDRA

SATIN STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in satin stainless steel.
• 30x10 mm horizontal elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option satin

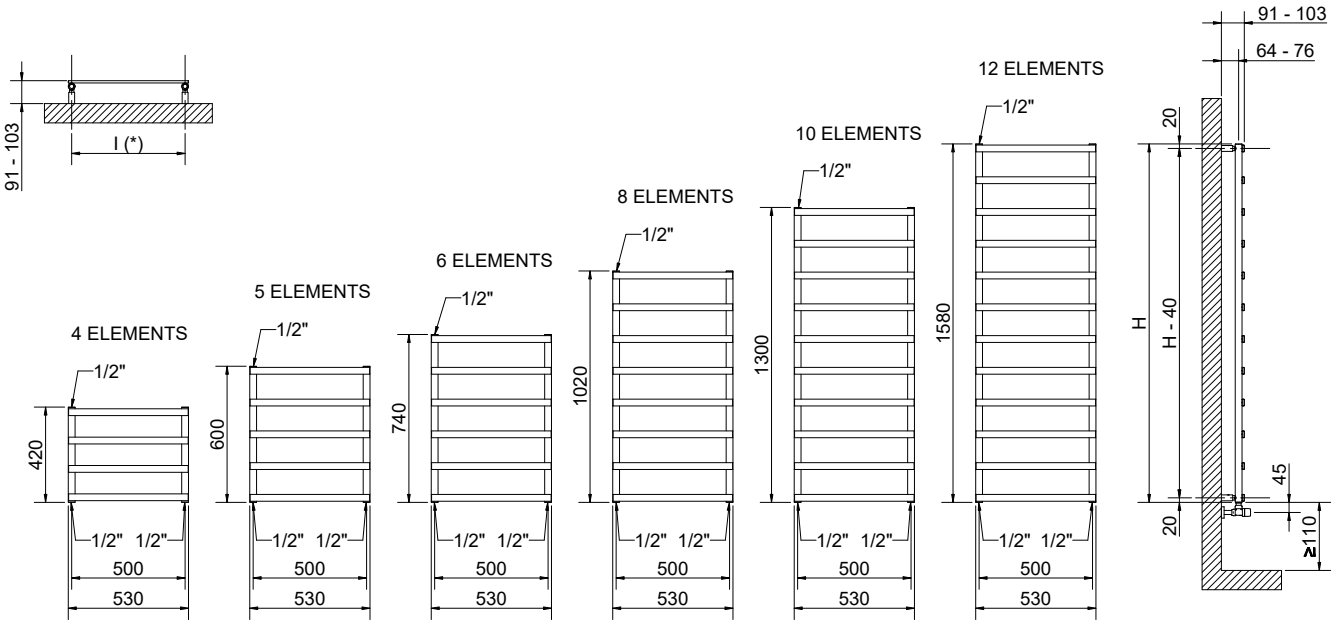


Kristal valve corner Right or Left thermostatic option satin



Thermostatic head Kristal TC satin

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

ALESSANDRA SATIN STAINLESS STEEL

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551680450001	2,57	0,25	1,32	**125**	70	1,1333
600	530	500	3551680450002	3,36	0,32	1,74	**164**	91	1,1378
740	530	500	3551680450003	4,03	0,39	2,11	**193**	108	1,1413
1020	530	500	3551680450004	5,41	0,53	2,86	**251**	139	1,1559
1300	530	500	3551680450005	6,80	0,66	3,60	**310**	170	1,1785
1580	530	500	3551680450006	8,18	0,80	4,34	**372**	201	1,2011

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LAURA

POLISHED STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in polished stainless steel.
• Ø 25 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water
☑ Electric (see page 138)

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

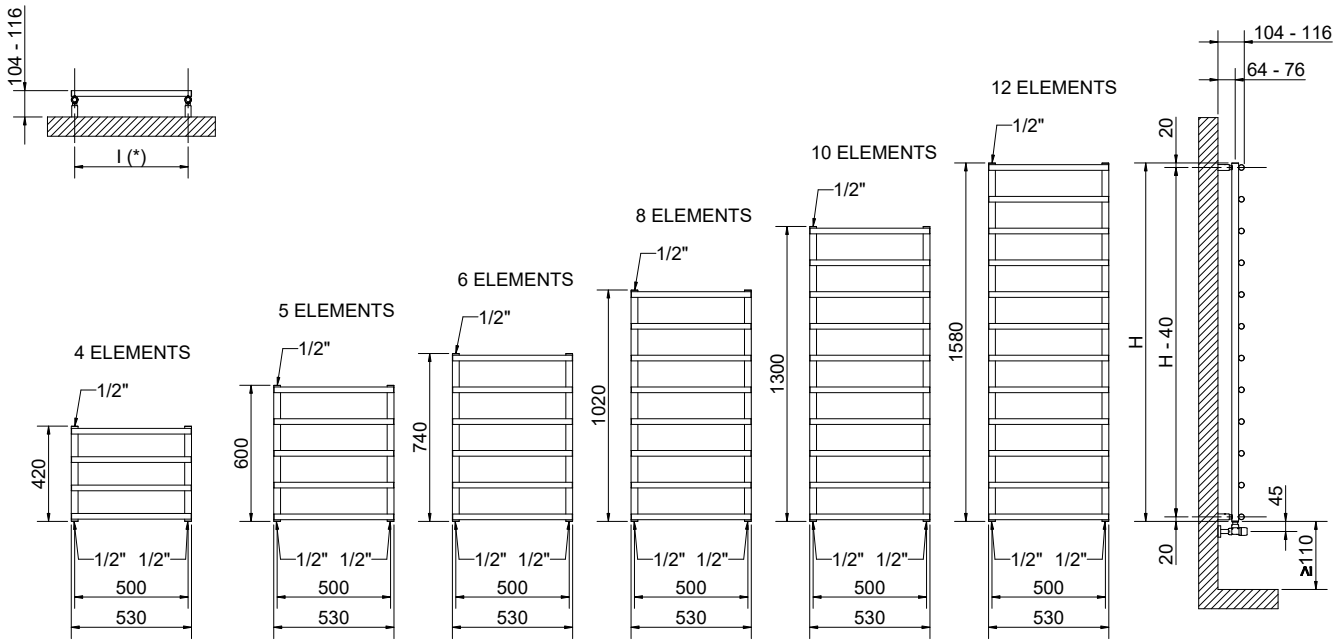


Kristal valve corner Right or Left with thermostatic option chromed



Thermostatic head Kristal TC chromed

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

LAURA POLISHED STAINLESS STEEL

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551570400001	2,57	0,25	1,32	**112**	63	1,1405
600	530	500	3551570400002	3,36	0,32	1,74	**146**	81	1,1542
740	530	500	3551570400003	4,03	0,39	2,11	**173**	95	1,1648
1020	530	500	3551570400004	5,41	0,53	2,86	**228**	124	1,1861
1300	530	500	3551570400005	6,80	0,66	3,60	**288**	158	1,1765
1580	530	500	3551570400006	8,18	0,80	4,34	**354**	193	1,1829

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LAURA

SATIN STAINLESS STEEL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm vertical collectors in satin stainless steel.
• Ø 25 mm horizontal elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option satin

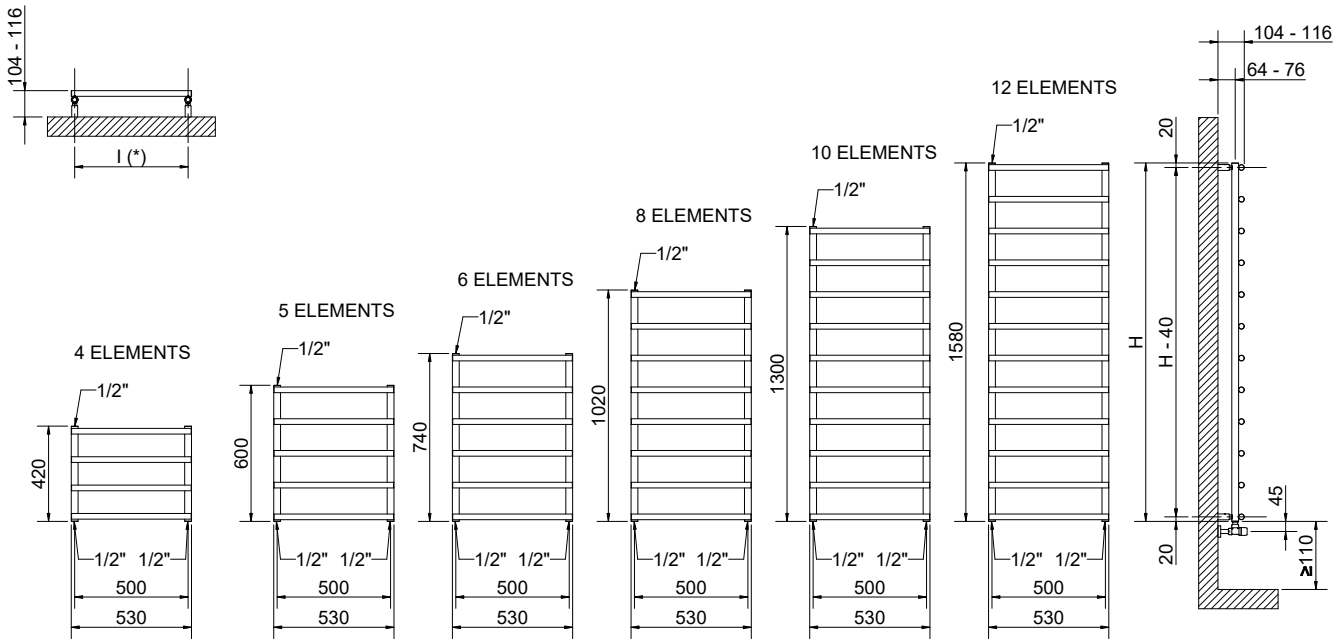


Kristal valve corner Right or Left thermostatic option satin



Thermostatic head Kristal TC satin

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

LAURA SATIN STAINLESS STEEL

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output **Δt 50°C**	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551570450001	2,57	0,25	1,32	**121**	68	1,1605
600	530	500	3551570450002	3,36	0,32	1,74	**158**	88	1,1742
740	530	500	3551570450003	4,03	0,39	2,11	**187**	103	1,1855
1020	530	500	3551570450004	5,41	0,53	2,86	**247**	134	1,2062
1300	530	500	3551570450005	6,80	0,66	3,60	**312**	171	1,1966
1580	530	500	3551570450006	8,18	0,80	4,34	**383**	209	1,2031

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LAURA

BRASS | ANTIQUE COPPER

NEW

EUROPEAN **WARRANTY**





MATERIAL:
- Ø 30 mm vertical collectors in stainless steel brass / antique copper.
- Ø 25 mm horizontal heating elements in stainless steel brass / antique copper .

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene.
User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS VDI 6036 COMPLIANT WITH

FEATURES

P. max: **8 bar**	T. max: **110°C**
Functioning: **hot water**	Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

AVAILABLE FUNCTIONS

☑ Hot water

AVAILABLE ACCESSORIES



Kristal Valve Angled Manual Brass

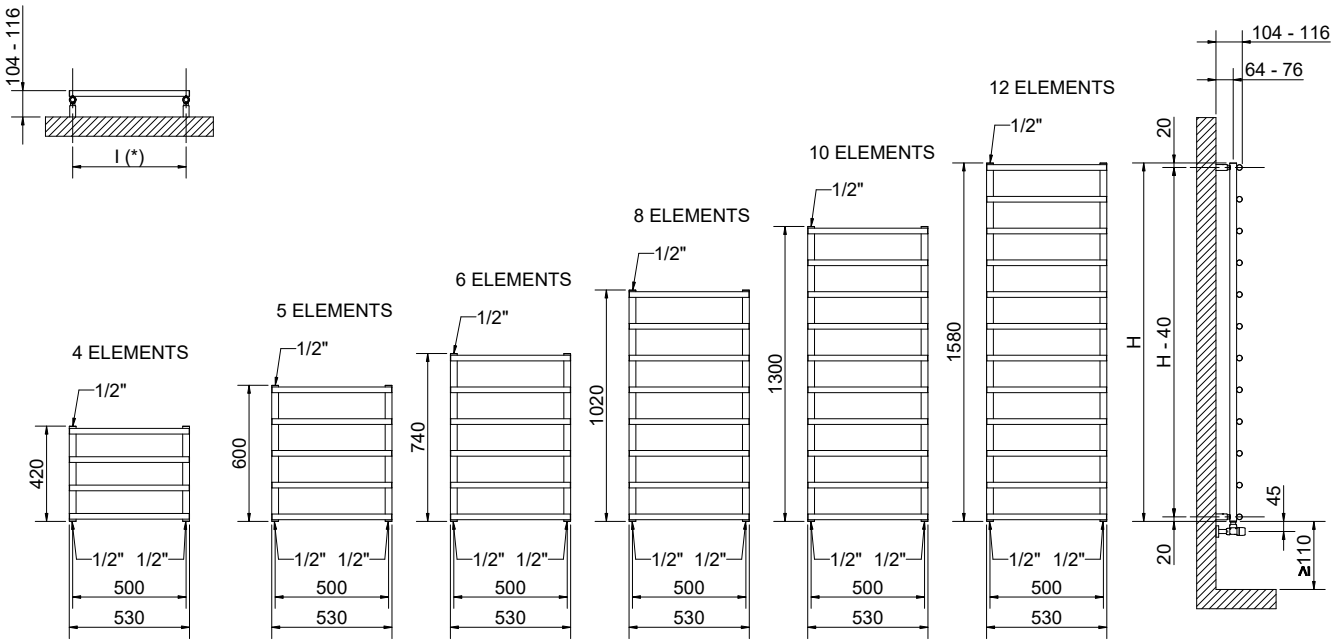


Kristal Valve Angled Manual Antique copper



Covering Pipe Set
- Brass
- Antique copper

Complete list, codes and details of the ACCESSORIES from page 332.



(*) The fixing kit has the same pipe centre (l) as the radiator

Quotes for Kristal valves

LAURA BRASS

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551570400007	2,57	0,25	1,32	**112**	63	1,1405
600	530	500	3551570400008	3,36	0,32	1,74	**146**	81	1,1542
740	530	500	3551570400009	4,03	0,39	2,11	**173**	95	1,1648
1020	530	500	3551570400010	5,41	0,53	2,86	**228**	124	1,1861
1300	530	500	3551570400011	6,80	0,66	3,60	**288**	158	1,1765
1580	530	500	3551570400012	8,18	0,80	4,34	**354**	193	1,1829

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

LAURA ANTIQUE COPPER

Height	Width	Pipe Centres		Dry Weight	Surface	Water content	Thermal output Δt 50°C	Thermal output Δt 30°C	Exponent
[mm]	L [mm]	l [mm]	Art. nr.	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
420	530	500	3551570400013	2,57	0,25	1,32	**112**	63	1,1405
600	530	500	3551570400014	3,36	0,32	1,74	**146**	81	1,1542
740	530	500	3551570400015	4,03	0,39	2,11	**173**	95	1,1648
1020	530	500	3551570400016	5,41	0,53	2,86	**228**	124	1,1861
1300	530	500	3551570400017	6,80	0,66	3,60	**288**	158	1,1765
1580	530	500	3551570400018	8,18	0,80	4,34	**354**	193	1,1829

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

GIADA 18

POLISHED STAINLESS STEEL VERTICAL

WARRANTY **10 YEARS**



MATERIAL:
- Ø 30 mm horizontal collectors in polished stainless steel.
- Ø 18 mm vertical elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

Height H [mm]	400	500	600	800	1000	1200	1400	1500	1600
Therm. output per el. Δt = 50 °C [Watt]	11,3	13,6	15,9	20,4	24,7	29	33,2	35,3	37,3
Therm. output per el. Δt = 30 °C [Watt]	5,9	7,1	8,2	10,5	12,7	14,8	16,9	18	19
Dry Weight per element [kg]	0,211	0,252	0,294	0,378	0,462	0,546	0,630	0,672	0,714
Water content [lt]	0,110	0,130	0,151	0,191	0,231	0,271	0,311	0,332	0,352
Element surface [m²]	0,027	0,033	0,039	0,050	0,061	0,073	0,084	0,090	0,095
Exponent **n**	1,2866	1,2889	1,2912	1,2958	1,3005	1,3079	1,3152	1,3189	1,3225
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**570**	**770**	**970**	**1170**	**1370**	**1470**	**1570**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1700	1800	1900	2000	2200	2300
Therm. output per el. Δt = 50 °C [Watt]	39,4	41,5	43,6	45,7	49,8	51,9
Therm. output per el. Δt = 30 °C [Watt]	20,1	21,1	22,2	23,2	25,3	26,4
Dry Weight per element [kg]	0,756	0,798	0,840	0,882	0,966	1,008
Water content [lt]	0,372	0,392	0,412	0,432	0,472	0,492
Element surface [m²]	0,101	0,106	0,112	0,118	0,129	0,135
Exponent **n**	1,3231	1,3236	1,3241	1,3246	1,3257	1,3263
Pipe Centres I [mm] (V3-V4 only)	**1670**	**1770**	**1870**	**1970**	**2170**	**2270**

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

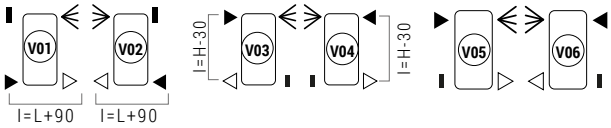
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

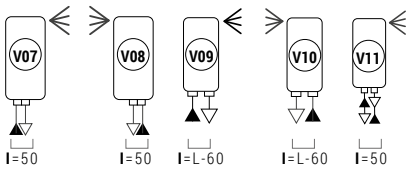
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EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



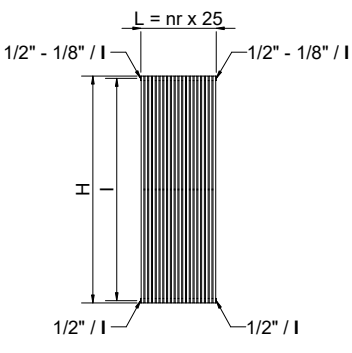
SPECIAL CONNECTIONS

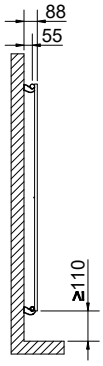


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

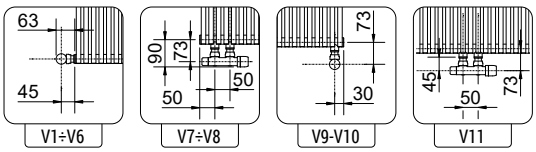
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE GIADA 18 POLISHED STAINLESS STEEL VERTICAL RADIATOR

Radiator model E.g.: GIADA 18 VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V08	Art. nr. finishing Es: polished stainless steel	Constant value
GI18	24	140	V08	X01	C

Example of article code creation

GI18 GIADA 18 VERTICAL
24 24 Elements (see table below)
140 Height 1400 mm (see table below)
V08 Connection V08 (see next page)
X01 Finishing polished stainless steel
C Constant value

The article code will be:
GI18 24 140 V08 X01 C

Height H [mm]		400	500	600	800	1000	1200	1400	1500	1600
Width L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
125	5	57	68	80	102	124	145	166	177	187
150	6	68	82	96	122	148	174	199	212	224
175	7	79	95	112	143	173	203	232	247	261
200	8	90	109	128	163	198	232	266	282	298
225	9	102	122	144	184	222	261	299	318	336
250	10	113	136	160	204	247	290	332	353	373
275	11	124	150	176	224	272	319	365	388	410
300	12	136	163	192	245	296	348	398	424	448
325	13	147	177	208	265	321	377	432	459	485
350	14	158	190	224	286	346	406	465	494	522
375	15	170	204	240	306	371	435	498	530	560
400	16	181	218	256	326	395	464	531	565	597
425	17	192	231	272	347	420	493	564	600	634
450	18	203	245	288	367	445	522	598	635	671
475	19	215	258	304	388	469	551	631	671	709
500	20	226	272	320	408	494	580	664	706	746
525	21	237	286	336	428	519	609	697	741	783
550	22	249	299	352	449	543	638	730	777	821
575	23	260	313	368	469	568	667	764	812	858
600	24	271	326	384	490	593	696	797	847	895
625	25	283	340	400	510	618	725	830	883	933
650	26	294	354	416	530	642	754	863	918	970
675	27	305	367	432	551	667	783	896	953	1007
700	28	316	381	448	571	692	812	930	988	1044
725	29	328	394	464	592	716	841	963	1024	1082
750	30	339	408	480	612	741	870	996	1059	1119
775	31	350	422	496	632	766	899	1029	1094	1156
800	32	362	435	512	653	790	928	1062	1130	1194
825	33	373	449	528	673	815	957	1096	1165	1231
850	34	384	462	544	694	840	986	1129	1200	1268
875	35	396	476	560	714					
900	36	407	490	576	734					
925	37	418	503	592	755					
950	38	429	517	608	775					
975	39	441	530	624	796					
1000	40	452	544	640	816					
1050	42	475	571	672	857					
1100	44	497	598	704	898					

All intermediate sizes are available for heights from 400 to 2300 mm

Height H [mm]		1700	1800	1900	2000	2200	2300
Width L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
125	5	197	208	218	229	249	260
150	6	236	249	262	274	299	311
175	7	276	291	305	320	349	363
200	8	315	332	349	366	398	415
225	9	355	374	392	411	448	467
250	10	394	415	436	457	498	519
275	11	433	457	480	503	548	571
300	12	473	498	523	548	598	623
325	13	512	540	567	594	647	675
350	14	552	581	610	640	697	727
375	15	591	623	654	686	747	779
400	16	630	664	698	731	797	830
425	17	670	706	741	777	847	882
450	18	709	747	785	823	896	934
475	19	749	789	828	868	946	986
500	20	788	830	872	914	996	1038
525	21	827	872	916	960	1046	1090
550	22	867	913	959	1005	1096	1142
575	23	906	955	1003	1051	1145	1194
600	24	946	996	1046	1097	1195	1246
625	25	985	1038	1090	1143	1245	1298
650	26	1024	1079	1134	1188	1295	1349
675	27	1064	1121	1177	1234	1345	1401
700	28	1103	1162	1221	1280	1394	1453
725	29	1143	1204	1264	1325	1444	1505
750	30	1182	1245	1308	1371	1494	1557
775	31	1221	1287	1352	1417	1544	1609
800	32	1261	1328	1395	1462	1594	1661
825	33	1300	1370	1439	1508	1643	1713
850	34	1340	1411	1482	1554	1693	1765

POLISHED STAINLESS STEEL VERTICAL

Elements	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	[Kg]	[Watt]			Art. nr.
H 500 mm						
8	200	2,0	109	82	57	GI18 08 050 V__ X01 C
10	250	2,5	136	102	71	GI18 10 050 V__ X01 C
12	300	3,0	163	122	85	GI18 12 050 V__ X01 C
14	350	3,5	190	143	99	GI18 14 050 V__ X01 C
15	375	3,8	204	153	107	GI18 15 050 V__ X01 C
16	400	4,0	218	163	114	GI18 16 050 V__ X01 C
18	450	4,5	245	184	128	GI18 18 050 V__ X01 C
20	500	5,0	272	204	142	GI18 20 050 V__ X01 C
22	550	5,5	299	224	156	GI18 22 050 V__ X01 C
24	600	6,0	326	245	170	GI18 24 050 V__ X01 C
28	700	7,1	381	286	199	GI18 28 050 V__ X01 C
32	800	8,1	435	326	227	GI18 32 050 V__ X01 C
38	950	9,6	517	388	270	GI18 38 050 V__ X01 C
H 600 mm						
8	200	2,4	128	96	66	GI18 08 060 V__ X01 C
10	250	2,9	160	120	83	GI18 10 060 V__ X01 C
12	300	3,5	192	144	99	GI18 12 060 V__ X01 C
14	350	4,1	224	168	116	GI18 14 060 V__ X01 C
15	375	4,4	240	180	124	GI18 15 060 V__ X01 C
16	400	4,7	256	192	132	GI18 16 060 V__ X01 C
18	450	5,3	288	216	149	GI18 18 060 V__ X01 C
20	500	5,9	320	240	165	GI18 20 060 V__ X01 C
22	550	6,5	352	264	182	GI18 22 060 V__ X01 C
24	600	7,1	384	288	199	GI18 24 060 V__ X01 C
28	700	8,2	448	336	232	GI18 28 060 V__ X01 C
32	800	9,4	512	384	265	GI18 32 060 V__ X01 C
38	950	11,2	608	456	314	GI18 38 060 V__ X01 C
H 800 mm						
8	200	3,0	163	122	84	GI18 08 080 V__ X01 C
10	250	3,8	204	153	105	GI18 10 080 V__ X01 C
12	300	4,5	245	183	126	GI18 12 080 V__ X01 C
14	350	5,3	286	214	147	GI18 14 080 V__ X01 C
15	375	5,7	306	229	158	GI18 15 080 V__ X01 C
16	400	6,0	326	244	168	GI18 16 080 V__ X01 C
18	450	6,8	367	275	189	GI18 18 080 V__ X01 C
19	475	7,2	388	290	200	GI18 19 080 V__ X01 C
20	500	7,6	408	306	210	GI18 20 080 V__ X01 C
22	550	8,3	449	336	232	GI18 22 080 V__ X01 C
24	600	9,1	490	367	253	GI18 24 080 V__ X01 C
26	650	9,8	530	397	274	GI18 26 080 V__ X01 C
30	750	11,3	612	458	316	GI18 30 080 V__ X01 C
32	800	12,1	653	489	337	GI18 32 080 V__ X01 C
36	900	13,6	734	550	379	GI18 36 080 V__ X01 C
H 1000 mm						
8	200	3,7	198	148	102	GI18 08 100 V__ X01 C
10	250	4,6	247	185	127	GI18 10 100 V__ X01 C
12	300	5,5	296	222	153	GI18 12 100 V__ X01 C
14	350	6,5	346	259	178	GI18 14 100 V__ X01 C
16	400	7,4	395	296	203	GI18 16 100 V__ X01 C
18	450	8,3	445	333	229	GI18 18 100 V__ X01 C
20	500	9,2	494	370	254	GI18 20 100 V__ X01 C
22	550	10,2	543	407	280	GI18 22 100 V__ X01 C
24	600	11,1	593	443	305	GI18 24 100 V__ X01 C
25	625	11,6	618	462	318	GI18 25 100 V__ X01 C
26	650	12,0	642	480	330	GI18 26 100 V__ X01 C
28	700	12,9	692	517	356	GI18 28 100 V__ X01 C
30	750	13,9	741	554	381	GI18 30 100 V__ X01 C
32	800	14,8	790	591	407	GI18 32 100 V__ X01 C
34	850	15,7	840	628	432	GI18 36 100 V__ X01 C
H 1200 mm						
10	250	5,5	290	217	149	GI18 10 120 V__ X01 C
12	300	6,6	348	260	178	GI18 12 120 V__ X01 C
14	350	7,6	406	303	208	GI18 14 120 V__ X01 C
16	400	8,7	464	347	238	GI18 16 120 V__ X01 C
18	450	9,8	522	390	268	GI18 18 120 V__ X01 C
20	500	10,9	580	433	297	GI18 20 120 V__ X01 C
22	550	12,0	638	477	327	GI18 22 120 V__ X01 C
24	600	13,1	696	520	357	GI18 24 120 V__ X01 C
26	650	14,2	754	563	387	GI18 26 120 V__ X01 C
28	700	15,3	812	606	416	GI18 28 120 V__ X01 C
30	750	16,4	870	650	446	GI18 30 120 V__ X01 C
32	800	17,5	928	693	476	GI18 32 120 V__ X01 C
34	850	18,6	986	736	505	GI18 34 120 V__ X01 C

POLISHED STAINLESS STEEL VERTICAL

Elements	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 1400 mm						
10	250	6,3	332	248	170	GI18 10 140 V__ X01 C
12	300	7,6	398	297	203	GI18 12 140 V__ X01 C
14	350	8,8	465	347	237	GI18 14 140 V__ X01 C
16	400	10,1	531	396	271	GI18 16 140 V__ X01 C
18	450	11,3	598	446	305	GI18 18 140 V__ X01 C
20	500	12,6	664	495	339	GI18 20 140 V__ X01 C
22	550	13,9	730	545	373	GI18 22 140 V__ X01 C
24	600	15,1	797	594	407	GI18 24 140 V__ X01 C
26	650	16,4	863	644	441	GI18 26 140 V__ X01 C
28	700	17,6	930	693	475	GI18 28 140 V__ X01 C
30	750	18,9	996	743	509	GI18 30 140 V__ X01 C
32	800	20,2	1062	792	543	GI18 32 140 V__ X01 C
34	850	21,4	1129	842	577	GI18 34 140 V__ X01 C
H 1500 mm						
8	200	5,4	282	210	144	GI18 08 150 V__ X01 C
10	250	6,7	353	263	180	GI18 10 150 V__ X01 C
12	300	8,1	424	316	216	GI18 12 150 V__ X01 C
14	350	9,4	494	368	252	GI18 14 150 V__ X01 C
16	400	10,8	565	421	288	GI18 16 150 V__ X01 C
18	450	12,1	635	473	324	GI18 18 150 V__ X01 C
20	500	13,4	706	526	360	GI18 20 150 V__ X01 C
22	550	14,8	777	579	396	GI18 22 150 V__ X01 C
24	600	16,1	847	631	432	GI18 24 150 V__ X01 C
26	650	17,5	918	684	468	GI18 26 150 V__ X01 C
28	700	18,8	988	736	504	GI18 28 150 V__ X01 C
30	750	20,2	1059	789	540	GI18 30 150 V__ X01 C
32	800	21,5	1130	842	576	GI18 32 150 V__ X01 C
34	850	22,8	1200	894	612	GI18 34 150 V__ X01 C
H 1600 mm						
8	200	5,7	298	222	152	GI18 08 160 V__ X01 C
10	250	7,1	373	278	190	GI18 10 160 V__ X01 C
12	300	8,6	448	333	228	GI18 12 160 V__ X01 C
14	350	10,0	522	389	266	GI18 14 160 V__ X01 C
16	400	11,4	597	444	304	GI18 16 160 V__ X01 C
18	450	12,9	671	500	342	GI18 18 160 V__ X01 C
20	500	14,3	746	555	380	GI18 20 160 V__ X01 C
22	550	15,7	821	611	418	GI18 22 160 V__ X01 C
24	600	17,1	895	666	456	GI18 24 160 V__ X01 C
26	650	18,6	970	722	494	GI18 26 160 V__ X01 C
28	700	20,0	1044	778	531	GI18 28 160 V__ X01 C
30	750	21,4	1119	833	569	GI18 30 160 V__ X01 C
32	800	22,8	1194	889	607	GI18 32 160 V__ X01 C
34	850	24,3	1268	944	645	GI18 34 160 V__ X01 C
H 1800 mm						
8	200	5,4	282	210	144	GI18 08 180 V__ X01 C
10	250	6,7	353	263	180	GI18 10 180 V__ X01 C
12	300	8,1	424	316	216	GI18 12 180 V__ X01 C
14	350	9,4	494	368	252	GI18 14 180 V__ X01 C
16	400	10,8	565	421	288	GI18 16 180 V__ X01 C
18	450	12,1	635	473	324	GI18 18 180 V__ X01 C
20	500	13,4	706	526	360	GI18 20 180 V__ X01 C
22	550	14,8	777	579	396	GI18 22 180 V__ X01 C
24	600	16,1	847	631	432	GI18 24 180 V__ X01 C
26	650	17,5	918	684	468	GI18 26 180 V__ X01 C
28	700	18,8	988	736	504	GI18 28 180 V__ X01 C
30	750	20,2	1059	789	540	GI18 30 180 V__ X01 C
32	800	21,5	1130	842	576	GI18 32 180 V__ X01 C
34	850	22,8	1200	894	612	GI18 34 180 V__ X01 C
H 2000 mm						
8	200	5,7	298	222	152	GI18 08 200 V__ X01 C
10	250	7,1	373	278	190	GI18 10 200 V__ X01 C
12	300	8,6	448	333	228	GI18 12 200 V__ X01 C
14	350	10,0	522	389	266	GI18 14 200 V__ X01 C
16	400	11,4	597	444	304	GI18 16 200 V__ X01 C
18	450	12,9	671	500	342	GI18 18 200 V__ X01 C
20	500	14,3	746	555	380	GI18 20 200 V__ X01 C
22	550	15,7	821	611	418	GI18 22 200 V__ X01 C
24	600	17,1	895	666	456	GI18 24 200 V__ X01 C
26	650	18,6	970	722	494	GI18 26 200 V__ X01 C
28	700	20,0	1044	778	531	GI18 28 200 V__ X01 C
30	750	21,4	1119	833	569	GI18 30 200 V__ X01 C
32	800	22,8	1194	889	607	GI18 32 200 V__ X01 C
34	850	24,3	1268	944	645	GI18 34 200 V__ X01 C

GIADA 18

POLISHED STAINLESS STEEL HORIZONTAL

WARRANTY **10 YEARS**



Width L [mm]	400	500	600	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,211	0,252	0,294	0,378	0,462	0,546	0,630	0,672
Water content [lt]	0,110	0,130	0,151	0,191	0,231	0,271	0,311	0,332
Element surface [m²]	0,027	0,033	0,039	0,050	0,061	0,073	0,084	0,090
Pipe Centres I [mm] (H1 only)	370	470	570	770	970	1170	1370	1470

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2200	2300
Dry Weight per element [kg]	0,714	0,756	0,798	0,840	0,882	0,966	1,008
Water content [lt]	0,352	0,372	0,392	0,412	0,432	0,472	0,491
Element surface [m²]	0,095	0,101	0,106	0,112	0,118	0,129	0,135
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2170	2270

AVAILABLE ACCESSORIES



Kristal valve angled with thermostatic option chromed

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
- Ø 30 mm vertical collectors in polished stainless steel.
- Ø 18 mm horizontal elements in polished stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

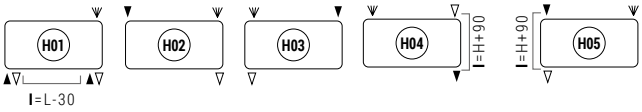
PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

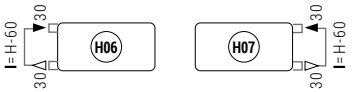
CERTIFICATES

CE — EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS — VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



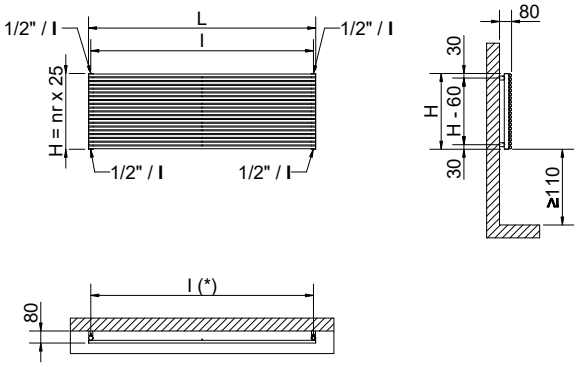
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

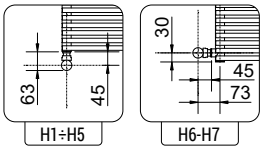
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap



(*) Pipe center (I) measure of the fixing kit

Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE GIADA 18 POLISHED STAINLESS STEEL HORIZONTAL RADIATOR

Radiator model E.g.: GIADA 18 horizontal	Nr of Elements E.g.: 24 Elements	Width in mm Example: 800 mm	Connection code Example: connection H01	Art. nr. finishing Es: polished stainless steel	Constant value
GI18	24	080	H01	X01	C

Example of article code creation

GI18 GIADA 18 HORIZONTAL
24 24 Elements (see table below)
080 Width 800 mm (see table below)
H01 Connection H01 (see next page)
X01 Finishing polished stainless steel
C Constant value

The article code will be:
GI18 24 080 H01 X01 C

Width L [mm]		400	500	600	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exponent
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
125	**5**	39	49	58	78	97	117	136	146	48,0	1,3835
150	**6**	49	61	74	98	123	147	172	184	61,0	1,3776
175	**7**	60	75	89	119	149	179	209	224	74,0	1,3717
200	**8**	70	88	105	140	176	211	246	263	87,0	1,3658
225	**9**	81	101	121	162	202	243	283	304	101,0	1,3599
250	**10**	92	115	138	183	229	275	321	344	115,0	1,3540
275	**11**	102	128	154	205	256	307	359	384	129,0	1,3481
300	**12**	113	141	170	226	283	339	396	424	142,0	1,3422
325	**13**	124	155	185	247	309	371	433	464	156,0	1,3363
350	**14**	134	168	201	268	335	402	469	503	170,0	1,3305
375	**15**	144	180	216	289	361	433	505	541	183,0	1,3246
400	**16**	154	193	232	309	386	463	540	579	200,0	1,2831
425	**17**	164	205	246	329	411	493	575	616	214,0	1,2744
450	**18**	174	217	261	348	435	522	609	652	228,0	1,2657
475	**19**	183	229	275	367	458	550	642	688	241,0	1,2570
500	**20**	193	241	289	385	481	578	674	722	254,0	1,2483
525	**21**	201	252	302	403	504	604	705	756	265,0	1,2584
550	**22**	210	263	315	420	526	631	736	788	275,0	1,2684
575	**23**	219	273	328	437	547	656	765	820	284,0	1,2785
600	**24**	227	283	340	454	567	680	794	850	294,0	1,2885
625	**25**	235	293	352	469	587	704	821	880	302,0	1,2986
650	**26**	242	303	363	485	606	727	848	909	310,0	1,3086
675	**27**	250	312	374	499	624	749	874	936	318,0	1,3187
700	**28**	257	321	385	513	642	770	899	963	326,0	1,3288
725	**29**	264	329	395	527	659	791	922	988	335,0	1,3245
750	**30**	270	338	405	540	675	810	945	1013	344,0	1,3183
775	**31**	276	345	414	553	691	829	967	1036	353,0	1,3120
800	**32**	282	353	423	565	706	847	988	1059	362,0	1,3057
825	**33**	288	360	432	576	720	864	1008	1080	371,0	1,2994
850	**34**	294	367	440	587	734	881	1027	1101	379,0	1,2931
875	**35**	299	373	448	598					387,0	1,2869
900	**36**	304	380	456	607					395,0	1,2806
925	**37**	308	386	463	617					402,0	1,2743
950	**38**	313	391	469	626					410,0	1,2680
975	**39**	317	396	476	634					418,0	1,2617
1000	**40**	321	401	482	642					427,0	1,2554
1050	**42**	328	410	492	657					442,0	1,2491
1100	**44**	335	418	502	669					459,0	1,2428

Width L [mm]		1600	1700	1800	1900	2000	2200	2300	OUTPUT PER LINEAR METER	Exponent
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
125	**5**	156	165	175	185	195	214	224	48,0	1,3835
150	**6**	196	209	221	233	246	270	282	61,0	1,3776
175	**7**	238	253	268	283	298	328	343	74,0	1,3717
200	**8**	281	299	316	334	351	386	404	87,0	1,3658
225	**9**	324	344	364	385	405	445	466	101,0	1,3599
250	**10**	367	390	413	436	459	504	527	115,0	1,3540
275	**11**	410	435	461	487	512	563	589	129,0	1,3481
300	**12**	452	481	509	537	565	622	650	142,0	1,3422
325	**13**	495	525	556	587	618	680	711	156,0	1,3363
350	**14**	536	570	603	637	670	737	771	170,0	1,3305
375	**15**	577	613	649	686	722	794	830	183,0	1,3246
400	**16**	618	656	695	733	772	849	888	200,0	1,2831
425	**17**	657	698	739	780	821	904	945	214,0	1,2744
450	**18**	696	739	783	826	870	957	1000	228,0	1,2657
475	**19**	733	779	825	871	917	1008	1054	241,0	1,2570
500	**20**	770	818	867	915	963	1059	1107	254,0	1,2483
525	**21**	806	856	907	957	1007	1108	1159	265,0	1,2584
550	**22**	841	893	946	998	1051	1156	1209	275,0	1,2684
575	**23**	874	929	984	1038	1093	1202	1257	284,0	1,2785
600	**24**	907	964	1020	1077	1134	1247	1304	294,0	1,2885
625	**25**	939	997	1056	1115	1173	1291	1349	302,0	1,2986
650	**26**	969	1030	1090	1151	1211	1333	1393	310,0	1,3086
675	**27**	999	1061	1123	1186	1248	1373	1435	318,0	1,3187
700	**28**	1027	1091	1155	1219	1284	1412	1476	326,0	1,3288
725	**29**	1054	1120	1186	1252	1318	1449	1515	335,0	1,3245
750	**30**	1080	1148	1215	1283	1350	1485	1553	344,0	1,3183
775	**31**	1105	1174	1243	1313	1382	1520	1589	353,0	1,3120
800	**32**	1129	1200	1270	1341	1412	1553	1623	362,0	1,3057
825	**33**	1152	1224	1296	1368	1440	1584	1656	371,0	1,2994
850	**34**	1174	1247	1321	1394	1468	1614	1688	379,0	1,2931

GIADA 18

POLISHED STAINLESS STEEL HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	n	[Kg]	[Watt]			Art. nr.
H 350 mm							
14	600	1,3305	4,1	201	149	102	GI18 14 060 H__ X01 C
	800	1,3305	5,3	368	273	186	GI18 14 080 H__ X01 C
	1000	1,3305	6,5	335	249	170	GI18 14 100 H__ X01 C
	1200	1,3305	7,6	402	299	204	GI18 14 120 H__ X01 C
	1400	1,3305	8,8	469	349	238	GI18 14 140 H__ X01 C
	1600	1,3305	10,0	536	398	272	GI18 14 160 H__ X01 C
	1800	1,3305	11,2	603	448	306	GI18 14 180 H__ X01 C
	1900	1,3305	11,8	637	473	323	GI18 14 190 H__ X01 C
	2000	1,3305	12,3	670	498	340	GI18 14 200 H__ X01 C
H 400 mm							
16	600	1,2831	4,7	232	174	120	GI18 16 060 H__ X01 C
	800	1,2831	6,0	309	232	160	GI18 16 080 H__ X01 C
	1000	1,2831	7,4	386	290	200	GI18 16 100 H__ X01 C
	1200	1,2831	8,7	463	348	240	GI18 16 120 H__ X01 C
	1400	1,2831	10,1	540	406	280	GI18 16 140 H__ X01 C
	1600	1,2831	11,4	618	464	321	GI18 16 160 H__ X01 C
	1800	1,2831	12,8	695	522	361	GI18 16 180 H__ X01 C
	1900	1,2831	13,4	733	551	381	GI18 16 190 H__ X01 C
	2000	1,2831	14,1	772	580	401	GI18 16 200 H__ X01 C
H 500 mm							
20	600	1,2483	5,9	289	219	153	GI18 20 060 H__ X01 C
	800	1,2483	7,6	385	291	203	GI18 20 080 H__ X01 C
	1000	1,2483	9,2	481	364	254	GI18 20 100 H__ X01 C
	1200	1,2483	10,9	578	437	305	GI18 20 120 H__ X01 C
	1400	1,2483	12,6	674	510	356	GI18 20 140 H__ X01 C
	1600	1,2483	14,3	770	583	407	GI18 20 160 H__ X01 C
	1800	1,2483	16,0	867	656	458	GI18 20 180 H__ X01 C
	1900	1,2483	16,8	915	693	484	GI18 20 190 H__ X01 C
	2000	1,2483	17,6	963	729	509	GI18 20 200 H__ X01 C

GIADA 18

POLISHED STAINLESS STEEL HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	n	[Kg]	[Watt]			Art. nr.
H 600 mm							
24	600	1,2885	7,1	340	255	176	GI18 24 060 H__ X01 C
	800	1,2885	9,1	454	341	235	GI18 24 080 H__ X01 C
	1000	1,2885	11,1	567	425	294	GI18 24 100 H__ X01 C
	1200	1,2885	13,1	680	510	352	GI18 24 120 H__ X01 C
	1400	1,2885	15,1	794	596	411	GI18 24 140 H__ X01 C
	1600	1,2885	17,1	907	680	470	GI18 24 160 H__ X01 C
	1800	1,2885	19,2	1020	765	528	GI18 24 180 H__ X01 C
	1900	1,2885	20,2	1077	808	558	GI18 24 190 H__ X01 C
	2000	1,2885	21,2	1134	851	587	GI18 24 200 H__ X01 C
H 700 mm							
28	600	1,3288	8,2	385	286	195	GI18 28 060 H__ X01 C
	800	1,3288	10,6	513	381	260	GI18 28 080 H__ X01 C
	1000	1,3288	12,9	642	477	326	GI18 28 100 H__ X01 C
	1200	1,3288	15,3	770	572	391	GI18 28 120 H__ X01 C
	1400	1,3288	17,6	899	668	456	GI18 28 140 H__ X01 C
	1600	1,3288	20,0	1027	763	521	GI18 28 160 H__ X01 C
	1800	1,3288	22,3	1155	859	586	GI18 28 180 H__ X01 C
	2000	1,3288	23,5	1284	955	651	GI18 28 200 H__ X01 C
H 800 mm							
32	600	1,3057	9,4	423	316	217	GI18 32 060 H__ X01 C
	800	1,3057	12,1	565	422	290	GI18 32 080 H__ X01 C
	1000	1,3057	14,8	706	528	362	GI18 32 100 H__ X01 C
	1200	1,3057	17,5	847	633	435	GI18 32 120 H__ X01 C
	1400	1,3057	20,2	988	738	507	GI18 32 140 H__ X01 C
	1600	1,3057	22,8	1129	844	579	GI18 32 160 H__ X01 C
	1800	1,3057	25,5	1270	949	652	GI18 32 180 H__ X01 C
	2000	1,3057	26,9	1412	1055	725	GI18 32 200 H__ X01 C

HOW TO ORDER THE GIADA 18 POLISHED STAINLESS STEEL HORIZONTAL RADIATOR

Radiator model E.g.: GIADA 18 horizontal	Nr of Elements E.g.: 24 Elements	Width in mm Example: 800 mm	Connection code Example: connection H01	Art. nr. finishing Es: polished stainless steel	Constant value
GI18	24	080	H01	X01	C

Example of article code creation

GI18 GIADA 18 HORIZONTAL
24 24 Elements (see above)
080 Width 800 mm (see above)
H01 Connection H01 (see product page)
X01 Finishing polished stainless steel
C Constant value

The article code will be:
GI18 24 080 H01 X01 C

GIADA 18

SATIN STAINLESS STEEL VERTICAL

WARRANTY **10 YEARS**



MATERIAL:
• Ø 30 mm horizontal collectors in satin stainless steel.
• Ø 18 mm vertical elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

Height H [mm]	400	500	600	800	1000	1200	1400	1500	1600
Therm. output per el. Δt = 50 °C [Watt]	11,8	14,1	16,6	21,2	25,7	30,2	34,5	36,7	38,8
Therm. output per el. Δt = 30 °C [Watt]	6,0	7,4	8,5	10,9	13,2	15,4	17,6	18,7	19,8
Dry Weight per element [kg]	0,211	0,252	0,294	0,378	0,462	0,546	0,630	0,672	0,714
Water content [lt]	0,110	0,130	0,151	0,191	0,231	0,271	0,311	0,332	0,352
Element surface [m²]	0,027	0,033	0,039	0,050	0,061	0,073	0,084	0,090	0,095
Exponent **n**	1,3612	1,2981	1,3025	1,3063	1,3106	1,3183	1,3254	1,3292	1,3322
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**570**	**770**	**970**	**1170**	**1370**	**1470**	**1570**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1700	1800	1900	2000	2200
Therm. output per el. Δt = 50 °C [Watt]	41,0	43,2	45,3	47,5	51,8
Therm. output per el. Δt = 30 °C [Watt]	20,9	21,9	23,1	24,1	26,3
Dry Weight per element [kg]	0,756	0,798	0,840	0,882	0,966
Water content [lt]	0,372	0,392	0,412	0,432	0,472
Element surface [m²]	0,101	0,106	0,112	0,118	0,129
Exponent **n**	1,3329	1,3336	1,3342	1,3348	1,3459
Pipe Centres I [mm] (V3-V4 only)	**1670**	**1770**	**1870**	**1970**	**2170**

AVAILABLE ACCESSORIES



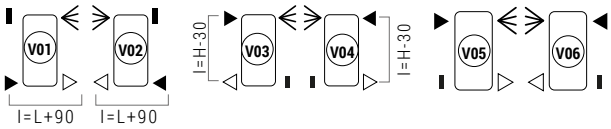
Kristal valve angled with thermostatic option satin

Complete list, codes and details of the ACCESSORIES from page 332.

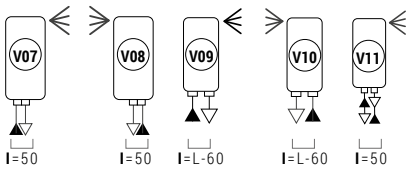
CERTIFICATES

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS

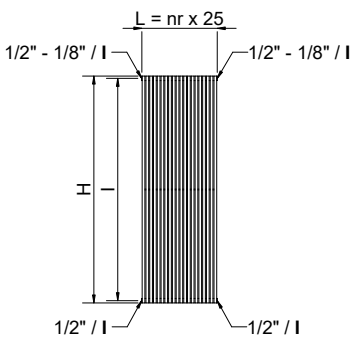


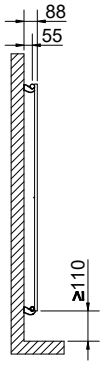
SPECIAL CONNECTIONS



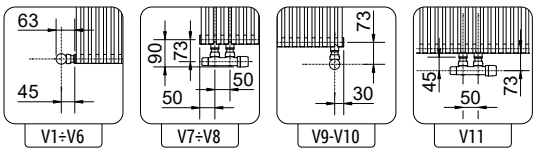
Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND
In — Pipe Centres
Out — Width
Airvent — Connection
Height — Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE GIADA 18 SATIN STAINLESS STEEL VERTICAL RADIATOR

Radiator model E.g.: GIADA 18 VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1600 mm	Connection code Example: connection V8	Art. nr. finishing Es: satin stainless steel	Constant value
GI18	24	160	V08	X02	C

Example of article code creation

GI18 GIADA 18 VERTICAL
24 24 Elements (see table below)
160 Height 1600 mm (see table below)
V08 Connection V08 (see next page)
X02 Finishing satin stainless steel
C Constant value

The article code will be:
GI18 24 160 V08 X02 C

Height H [mm]		400	500	600	800	1000	1200	1400	1500	1600
Width L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
125	5	59	71	83	106	128	151	173	184	194
150	6	71	85	100	127	154	181	207	220	233
175	7	82	99	116	149	180	211	242	257	272
200	8	94	113	133	170	206	241	276	294	310
225	9	106	127	150	191	231	271	311	330	349
250	10	118	141	166	212	257	302	345	367	388
275	11	129	156	183	233	283	332	380	404	427
300	12	141	170	200	255	308	362	414	441	466
325	13	153	184	216	276	334	392	449	477	504
350	14	165	198	233	297	360	422	483	514	543
375	15	176	212	250	318	385	452	518	551	582
400	16	188	226	266	339	411	483	552	587	621
425	17	200	240	283	361	437	513	587	624	659
450	18	212	255	300	382	462	543	622	661	698
475	19	223	269	316	403	488	573	656	698	737
500	20	235	283	333	424	514	603	691	734	776
525	21	247	297	349	446	539	633	725	771	815
550	22	259	311	366	467	565	664	760	808	853
575	23	270	325	383	488	591	694	794	844	892
600	24	282	339	399	509	617	724	829	881	931
625	25	294	354	416	530	642	754	863	918	970
650	26	306	368	433	552	668	784	898	955	1009
675	27	317	382	449	573	694	814	932	991	1047
700	28	329	396	466	594	719	844	967	1028	1086
725	29	341	410	483	615	745	875	1001	1065	1125
750	30	353	424	499	636	771	905	1036	1101	1164
775	31	364	438	516	658	796	935	1070	1138	1203
800	32	376	453	532	679	822	965	1105	1175	1241
825	33	388	467	549	700	848	995	1139	1211	1280
850	34	400	481	566	721	873	1025	1174	1248	1319
875	35	411	495	582	743					
900	36	423	509	599	764					
925	37	435	523	616	785					
950	38	447	537	632	806					
975	39	458	552	649	827					
1000	40	470	566	666	849					
1050	42	494	594	699	891					
1100	44	517	622	732	934					

All intermediate sizes are available for heights from 400 to 2000 mm

Height H [mm]		1700	1800	1900	2000
Width L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
125	5	205	216	227	238
150	6	246	259	272	285
175	7	287	302	317	333
200	8	328	345	363	380
225	9	369	388	408	428
250	10	410	432	453	475
275	11	451	475	499	523
300	12	492	518	544	570
325	13	533	561	589	618
350	14	574	604	635	665
375	15	615	647	680	713
400	16	656	691	726	760
425	17	697	734	771	808
450	18	738	777	816	856
475	19	779	820	862	903
500	20	820	863	907	951
525	21	860	906	952	998
550	22	901	950	998	1046
575	23	942	993	1043	1093
600	24	983	1036	1088	1141
625	25	1024	1079	1134	1188
650	26	1065	1122	1179	1236
675	27	1106	1165	1224	1283
700	28	1147	1208	1270	1331
725	29	1188	1252	1315	1378
750	30	1229	1295	1360	1426
775	31	1270	1338	1406	1473
800	32	1311	1381	1451	1521
825	33	1352	1424	1496	1568
850	34	1393	1467	1542	1616

GIADA 18

SATIN STAINLESS STEEL VERTICAL

Elements	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 500 mm						
8	200	2,0	113	84	59	GI18 08 050 V __ X02 C
10	250	2,5	141	106	74	GI18 10 050 V __ X02 C
12	300	3,0	169	127	89	GI18 12 050 V __ X02 C
14	350	3,5	197	148	104	GI18 14 050 V __ X02 C
15	375	3,8	212	158	111	GI18 15 050 V __ X02 C
16	400	4,0	226	169	118	GI18 16 050 V __ X02 C
18	450	4,5	254	190	133	GI18 18 050 V __ X02 C
20	500	5,0	282	211	148	GI18 20 050 V __ X02 C
22	550	5,5	310	232	163	GI18 22 050 V __ X02 C
24	600	6,0	338	253	178	GI18 24 050 V __ X02 C
28	700	7,1	395	296	207	GI18 28 050 V __ X02 C
32	800	8,1	451	338	237	GI18 32 050 V __ X02 C
38	950	9,6	536	401	281	GI18 38 050 V __ X02 C
H 600 mm						
8	200	2,4	133	99	68	GI18 08 060 V __ X02 C
10	250	2,9	166	124	85	GI18 10 060 V __ X02 C
12	300	3,5	199	149	102	GI18 12 060 V __ X02 C
14	350	4,1	232	174	119	GI18 14 060 V __ X02 C
15	375	4,4	249	186	128	GI18 15 060 V __ X02 C
16	400	4,7	266	199	137	GI18 16 060 V __ X02 C
18	450	5,3	299	223	154	GI18 18 060 V __ X02 C
20	500	5,9	332	248	171	GI18 20 060 V __ X02 C
22	550	6,5	365	273	188	GI18 22 060 V __ X02 C
24	600	7,1	398	298	205	GI18 24 060 V __ X02 C
28	700	8,2	465	348	239	GI18 28 060 V __ X02 C
32	800	9,4	531	397	273	GI18 32 060 V __ X02 C
38	950	11,2	631	472	324	GI18 38 060 V __ X02 C
H 800 mm						
8	200	3,0	170	127	87	GI18 08 080 V __ X02 C
10	250	3,8	212	158	109	GI18 10 080 V __ X02 C
12	300	4,5	254	190	131	GI18 12 080 V __ X02 C
14	350	5,3	297	222	152	GI18 14 080 V __ X02 C
15	375	5,7	318	238	163	GI18 15 080 V __ X02 C
16	400	6,0	339	253	174	GI18 16 080 V __ X02 C
18	450	6,8	382	285	196	GI18 18 080 V __ X02 C
19	475	7,2	403	301	207	GI18 19 080 V __ X02 C
20	500	7,6	424	317	218	GI18 20 080 V __ X02 C
22	550	8,3	466	348	239	GI18 22 080 V __ X02 C
24	600	9,1	509	380	261	GI18 24 080 V __ X02 C
26	650	9,8	551	412	283	GI18 26 080 V __ X02 C
30	750	11,3	636	475	326	GI18 30 080 V __ X02 C
32	800	12,1	678	507	348	GI18 32 080 V __ X02 C
36	900	13,6	763	570	392	GI18 36 080 V __ X02 C

GIADA 18

SATIN STAINLESS STEEL VERTICAL

Elements	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	[Kg]	[Watt]			Art. nr.
H 1000 mm						
8	200	3,7	206	153	105	GI18 08 100 V __ X02 C
10	250	4,6	257	192	132	GI18 10 100 V __ X02 C
12	300	5,5	308	230	158	GI18 12 100 V __ X02 C
14	350	6,5	360	269	184	GI18 14 100 V __ X02 C
15	375	6,9	386	288	197	GI18 15 100 V __ X02 C
16	400	7,4	411	307	211	GI18 16 100 V __ X02 C
18	450	8,3	463	345	237	GI18 18 100 V __ X02 C
19	475	8,8	488	364	250	GI18 19 100 V __ X02 C
20	500	9,2	514	384	263	GI18 20 100 V __ X02 C
22	550	10,2	565	422	289	GI18 22 100 V __ X02 C
24	600	11,1	617	460	316	GI18 24 100 V __ X02 C
26	650	12,0	668	499	342	GI18 26 100 V __ X02 C
30	750	13,9	771	575	395	GI18 30 100 V __ X02 C
32	800	14,8	822	614	421	GI18 32 100 V __ X02 C
34	850	15,7	874	652	447	GI18 34 100 V __ X02 C
H 1200 mm						
10	250	5,5	302	225	154	GI18 10 120 V __ X02 C
12	300	6,6	362	270	185	GI18 12 120 V __ X02 C
13	325	7,1	393	293	200	GI18 13 120 V __ X02 C
14	350	7,6	423	315	216	GI18 14 120 V __ X02 C
15	375	8,2	453	338	231	GI18 15 120 V __ X02 C
16	400	8,7	483	360	246	GI18 16 120 V __ X02 C
18	450	9,8	544	405	277	GI18 18 120 V __ X02 C
20	500	10,9	604	450	308	GI18 20 120 V __ X02 C
22	550	12,0	664	495	339	GI18 22 120 V __ X02 C
24	600	13,1	725	540	370	GI18 24 120 V __ X02 C
28	700	15,3	846	630	431	GI18 28 120 V __ X02 C
30	750	16,4	906	675	462	GI18 30 120 V __ X02 C
34	850	18,6	1027	765	524	GI18 34 120 V __ X02 C
H 1400 mm						
10	250	6,3	345	257	175	GI18 10 140 V __ X02 C
12	300	7,6	414	308	210	GI18 12 140 V __ X02 C
13	325	8,2	449	334	228	GI18 13 140 V __ X02 C
14	350	8,8	483	359	245	GI18 14 140 V __ X02 C
15	375	9,5	518	385	263	GI18 15 140 V __ X02 C
16	400	10,1	552	411	280	GI18 16 140 V __ X02 C
18	450	11,3	621	462	316	GI18 18 140 V __ X02 C
20	500	12,6	690	513	351	GI18 20 140 V __ X02 C
22	550	13,9	759	565	386	GI18 22 140 V __ X02 C
24	600	15,1	828	616	421	GI18 24 140 V __ X02 C
28	700	17,6	966	719	491	GI18 28 140 V __ X02 C
30	750	18,9	1035	770	526	GI18 30 140 V __ X02 C
34	850	21,4	1173	873	596	GI18 34 140 V __ X02 C

GIADA 18

SATIN STAINLESS STEEL HORIZONTAL

WARRANTY **10 YEARS**



MATERIAL:
- Ø 30 mm vertical collectors in satin stainless steel.
- Ø 18 mm horizontal elements in satin stainless steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

Width L [mm]	400	500	600	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,211	0,252	0,294	0,378	0,462	0,546	0,630	0,672
Water content [lt]	0,110	0,130	0,151	0,191	0,231	0,271	0,311	0,332
Element surface [m²]	0,027	0,033	0,039	0,050	0,061	0,073	0,084	0,090
Pipe Centres I [mm] (H1 only)	370	470	570	770	970	1170	1370	1470

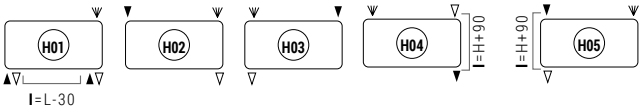
For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000
Dry Weight per element [kg]	0,714	0,756	0,798	0,840	0,882
Water content [lt]	0,352	0,372	0,392	0,412	0,432
Element surface [m²]	0,095	0,101	0,106	0,112	0,118
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970

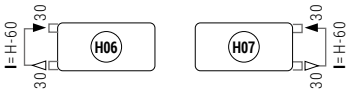
CERTIFICATES

CE — EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS — VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



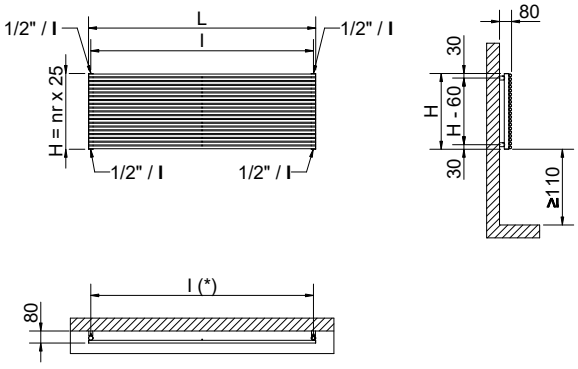
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

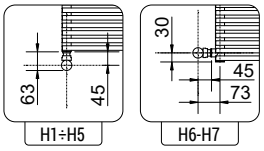
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap



(*) Pipe center (I) measure of the fixing kit

Quotes for Kristal valves



AVAILABLE ACCESSORIES



Kristal valve corner Right or Left thermostatic option satin

Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE GIADA 18 SATIN STAINLESS STEEL HORIZONTAL RADIATOR

Radiator model E.g.: GIADA 18 horizontal	Nr of Elements E.g.: 24 Elements	Width in mm Example: 120 mm	Connection code Example: connection H01	Art. nr. finishing Es: satin stainless steel	Constant value
GI18	24	120	H01	X02	C

Example of article code creation

GI18 GIADA 18 HORIZONTAL
24 24 Elements (see table below)
120 Width 1200 mm (see table below)
H01 Connection H01 (see next page)
X02 Finishing satin stainless steel
C Constant value

The article code will be:
GI18 24 120 H01 X02 C

Width L [mm]		400	500	600	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exponent
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
125	**5**	40	51	61	81	101	121	142	152	49,9	1,3935
150	**6**	51	64	77	102	128	153	179	192	63,4	1,3876
175	**7**	62	77	93	124	155	186	217	232	77,0	1,3817
200	**8**	73	91	110	146	183	219	256	274	90,5	1,3758
225	**9**	84	105	126	168	210	253	295	316	105,0	1,3699
250	**10**	95	119	143	191	238	286	334	358	119,6	1,3640
275	**11**	107	133	160	213	266	320	373	400	134,2	1,3581
300	**12**	118	147	176	235	294	353	412	441	147,7	1,3522
325	**13**	129	161	193	257	321	386	450	482	162,2	1,3463
350	**14**	139	174	209	279	349	418	488	523	176,8	1,3405
375	**15**	150	188	225	300	375	450	525	563	190,3	1,3346
400	**16**	161	201	241	321	401	482	562	602	208,0	1,2932
425	**17**	171	214	256	342	427	513	598	641	222,6	1,2844
450	**18**	181	226	271	362	452	543	633	678	237,1	1,2757
475	**19**	191	238	286	381	477	572	667	715	250,6	1,2670
500	**20**	200	250	300	401	501	601	701	751	264,2	1,2583
525	**21**	210	262	314	419	524	629	733	786	275,6	1,2684
550	**22**	219	273	328	437	547	656	765	820	286,0	1,2784
575	**23**	227	284	341	455	568	682	796	853	295,4	1,2885
600	**24**	236	295	354	472	590	707	825	884	305,8	1,2986
625	**25**	244	305	366	488	610	732	854	915	314,1	1,3086
650	**26**	252	315	378	504	630	756	882	945	322,4	1,3187
675	**27**	260	325	389	519	649	779	909	974	330,7	1,3287
700	**28**	267	334	400	534	667	801	934	1001	339,0	1,3388
725	**29**	274	343	411	548	685	822	959	1028	348,4	1,3345
750	**30**	281	351	421	562	702	843	983	1053	357,8	1,3283
775	**31**	287	359	431	575	718	862	1006	1078	367,1	1,3220
800	**32**	294	367	440	587	734	881	1028	1101	376,5	1,3157
825	**33**	300	374	449	599	749	899	1048	1123	385,8	1,3094
850	**34**	305	382	458	611	763	916	1068	1145	394,2	1,3031
875	**35**	311	388	466	621					402,5	1,2969
900	**36**	316	395	474	632					410,8	1,2906
925	**37**	321	401	481	641					418,1	1,2843
950	**38**	325	407	488	651					426,4	1,2780
975	**39**	330	412	495	660					434,7	1,2717
1000	**40**	334	417	501	668					444,1	1,2654
1050	**42**	341	427	512	683					459,7	1,2591
1100	**44**	348	435	522	696					477,4	1,2528

All intermediate sizes are available for widths from 400 a 2000 mm

Width L [mm]		1600	1700	1800	1900	2000	OUTPUT PER LINEAR METER	Exponent
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
125	**5**	162	172	182	192	202	49,9	1,3935
150	**6**	204	217	230	243	255	63,4	1,3876
175	**7**	248	263	279	294	310	77,0	1,3817
200	**8**	292	310	329	347	365	90,5	1,3758
225	**9**	337	358	379	400	421	105,0	1,3699
250	**10**	382	405	429	453	477	119,6	1,3640
275	**11**	426	453	479	506	533	134,2	1,3581
300	**12**	470	500	529	559	588	147,7	1,3522
325	**13**	514	546	579	611	643	162,2	1,3463
350	**14**	558	593	627	662	697	176,8	1,3405
375	**15**	600	638	675	713	750	190,3	1,3346
400	**16**	642	682	723	763	803	208,0	1,2932
425	**17**	683	726	769	812	854	222,6	1,2844
450	**18**	724	769	814	859	904	237,1	1,2757
475	**19**	763	810	858	906	953	250,6	1,2670
500	**20**	801	851	901	951	1001	264,2	1,2583
525	**21**	838	891	943	995	1048	275,6	1,2684
550	**22**	874	929	984	1038	1093	286,0	1,2784
575	**23**	909	966	1023	1080	1137	295,4	1,2885
600	**24**	943	1002	1061	1120	1179	305,8	1,2986
625	**25**	976	1037	1098	1159	1220	314,1	1,3086
650	**26**	1008	1071	1134	1197	1260	322,4	1,3187
675	**27**	1039	1103	1168	1233	1298	330,7	1,3287
700	**28**	1068	1135	1201	1268	1335	339,0	1,3388
725	**29**	1096	1165	1233	1302	1370	348,4	1,3345
750	**30**	1123	1194	1264	1334	1404	357,8	1,3283
775	**31**	1149	1221	1293	1365	1437	367,1	1,3220
800	**32**	1174	1248	1321	1395	1468	376,5	1,3157
825	**33**	1198	1273	1348	1423	1498	385,8	1,3094
850	**34**	1221	1297	1374	1450	1526	394,2	1,3031

GIADA 18

SATIN STAINLESS STEEL HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	
n°	L [mm]	n	[Kg]	[Watt]			Art. nr.
H 350 mm							
14	600	1,3405	4,1	209	155	105	GI18 14 060 H__ X02 C
	800	1,3405	5,3	279	207	141	GI18 14 080 H__ X02 C
	1000	1,3405	6,5	349	259	176	GI18 14 100 H__ X02 C
	1200	1,3405	7,6	418	310	211	GI18 14 120 H__ X02 C
	1400	1,3405	8,8	488	362	246	GI18 14 140 H__ X02 C
	1600	1,3405	10,0	558	414	281	GI18 14 160 H__ X02 C
	1800	1,3405	11,2	627	465	316	GI18 14 180 H__ X02 C
	1900	1,3405	11,8	662	491	334	GI18 14 190 H__ X02 C
	2000	1,3405	12,3	697	517	351	GI18 14 200 H__ X02 C
H 400 mm							
16	600	1,2932	4,7	241	181	124	GI18 16 060 H__ X02 C
	800	1,2932	6,0	321	241	166	GI18 16 080 H__ X02 C
	1000	1,2932	7,4	401	300	207	GI18 16 100 H__ X02 C
	1200	1,2932	8,7	482	361	249	GI18 16 120 H__ X02 C
	1400	1,2932	10,1	562	421	290	GI18 16 140 H__ X02 C
	1600	1,2932	11,4	642	481	332	GI18 16 160 H__ X02 C
	1800	1,2932	12,8	723	542	373	GI18 16 180 H__ X02 C
	1900	1,2932	13,4	763	572	394	GI18 16 190 H__ X02 C
	2000	1,2932	14,1	803	602	415	GI18 16 200 H__ X02 C
H 500 mm							
20	600	1,2583	5,9	300	227	158	GI18 20 060 H__ X02 C
	800	1,2583	7,6	401	303	211	GI18 20 080 H__ X02 C
	1000	1,2583	9,2	501	378	263	GI18 20 100 H__ X02 C
	1200	1,2583	10,9	601	454	316	GI18 20 120 H__ X02 C
	1400	1,2583	12,6	701	529	369	GI18 20 140 H__ X02 C
	1600	1,2583	14,3	801	605	421	GI18 20 160 H__ X02 C
	1800	1,2583	16,0	901	680	474	GI18 20 180 H__ X02 C
	1900	1,2583	16,8	951	718	500	GI18 20 190 H__ X02 C
	2000	1,2583	17,6	1001	756	526	GI18 20 200 H__ X02 C

GIADA 18

SATIN STAINLESS STEEL HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 600 mm							
24	600	1,2986	7,1	354	265	182	GI18 24 060 H__ X02 C
	800	1,2986	9,1	472	353	243	GI18 24 080 H__ X02 C
	1000	1,2986	11,1	590	442	304	GI18 24 100 H__ X02 C
	1200	1,2986	13,1	707	529	364	GI18 24 120 H__ X02 C
	1400	1,2986	15,1	825	617	425	GI18 24 140 H__ X02 C
	1600	1,2986	17,1	943	706	486	GI18 24 160 H__ X02 C
	1800	1,2986	19,2	1061	794	547	GI18 24 180 H__ X02 C
	1900	1,2986	20,2	1120	838	577	GI18 24 190 H__ X02 C
	2000	1,2986	21,2	1179	882	607	GI18 24 200 H__ X02 C
H 700 mm							
28	600	1,3388	8,2	400	297	202	GI18 28 060 H__ X02 C
	800	1,3388	10,6	534	396	269	GI18 28 080 H__ X02 C
	1000	1,3388	12,9	667	495	337	GI18 28 100 H__ X02 C
	1200	1,3388	15,3	801	594	404	GI18 28 120 H__ X02 C
	1400	1,3388	17,6	934	693	471	GI18 28 140 H__ X02 C
	1600	1,3388	20,0	1068	792	539	GI18 28 160 H__ X02 C
	1800	1,3388	22,3	1201	891	606	GI18 28 180 H__ X02 C
	2000	1,3388	23,5	1135	842	573	GI18 28 200 H__ X02 C
H 800 mm							
32	600	1,3157	9,4	440	328	225	GI18 32 060 H__ X02 C
	800	1,3157	12,1	587	438	300	GI18 32 080 H__ X02 C
	1000	1,3157	14,8	734	547	375	GI18 32 100 H__ X02 C
	1200	1,3157	17,5	881	657	450	GI18 32 120 H__ X02 C
	1400	1,3157	20,2	1028	766	525	GI18 32 140 H__ X02 C
	1600	1,3157	22,8	1174	875	599	GI18 32 160 H__ X02 C
	1800	1,3157	25,5	1321	985	675	GI18 32 180 H__ X02 C
	2000	1,3157	26,9	1468	1095	750	GI18 32 200 H__ X02 C

HOW TO ORDER THE GIADA 18 SATIN STAINLESS STEEL HORIZONTAL RADIATOR

Radiator model E.g.: GIADA 18 horizontal	**Nr of Elements** E.g.: 24 Elements	**Width in mm** Example: 120 mm	**Connection code** Example: connection H01	**Art. nr. finishing** Es: satin stainless steel	**Constant value**
GI18	24	120	H01	X02	C

Example of article code creation

GI18 GIADA 18 HORIZONTAL
24 24 Elements
120 Width 1200 mm
H01 Connection H01 (see product page)
X02 Finishing satin stainless steel
C Constant value

The article code will be:
GI18 24 120 H01 X02 C





LIVING
Radiators

ROSY

VERTICAL

WARRANTY **5 YEARS**



Color: RAL 8017 - R09 Dark brown

Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	28	34,6	41,1	47,5	53,8	66,3	78,6	90,6	96,5
Therm. output per el. Δt = 30 °C [Watt]	14,5	17,9	21,2	24,6	27,8	34,3	40,7	47,0	50,1
Dry Weight per element [kg]	0,557	0,666	0,775	0,883	0,992	1,210	1,427	1,645	1,753
Water content [lt]	0,256	0,292	0,329	0,365	0,401	0,474	0,546	0,619	0,655
Element surface [m²]	0,061	0,073	0,085	0,097	0,109	0,133	0,157	0,181	0,193
Exponent **n**	1,2934	1,2928	1,2922	1,2914	1,2907	1,2894	1,2881	1,2867	1,2860
Pipe Centres I [mm] (V3-V4 only)	**342**	**442**	**542**	**642**	**742**	**942**	**1142**	**1342**	**1442**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	102	108	114	120	126	131	137	142	153
Therm. output per el. Δt = 30 °C [Watt]	53,1	56,2	59,2	62,2	65,2	68,2	71,1	74,0	79,8
Dry Weight per element [kg]	1,862	1,971	2,080	2,188	2,297	2,406	2,515	2,623	2,841
Water content [lt]	0,691	0,727	0,764	0,800	0,836	0,872	0,909	0,945	1,017
Element surface [m²]	0,205	0,217	0,229	0,241	0,253	0,265	0,277	0,289	0,313
Exponent **n**	1,2854	1,2847	1,2840	1,2833	1,2826	1,2820	1,2813	1,2806	1,2792
Pipe Centres I [mm] (V3-V4 only)	**1542**	**1642**	**1742**	**1842**	**1942**	**2042**	**2142**	**2242**	**2442**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 38 mm horizontal collectors in painted mild steel.
• 50x10 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

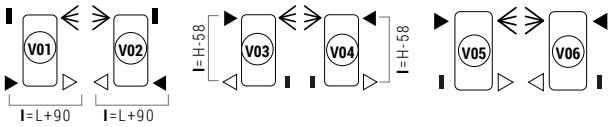
COLORS:
See color chart on pages II and III.

CERTIFICATES

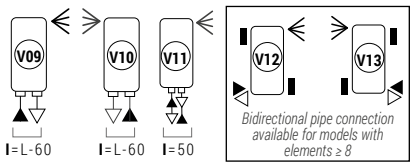
EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

STANDARD CONNECTIONS



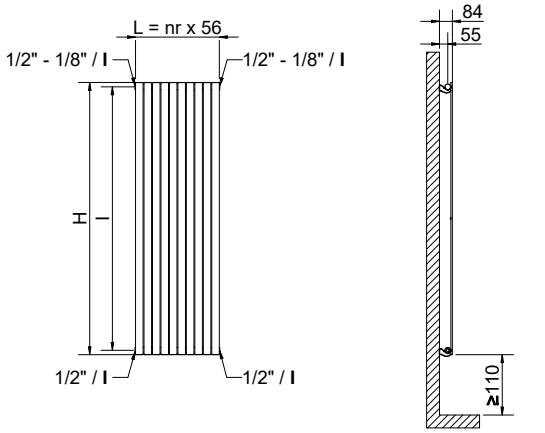
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

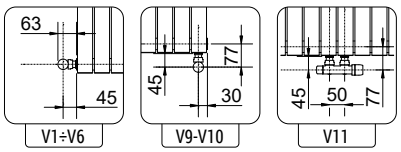
LEGEND

►	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE ROSY VERTICAL RADIATOR

Radiator model E.g.: ROSY VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1500 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RO50	12	150	V01	R01	A

Example of article code creation

RO50 ROSY VERTICAL
12 12 Elements (see table below)
150 Height 1500 mm (see table below)
V01 Connection V01 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RO50 12 150 V01 R01 A

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
224	4	112	138	164	190	215	265	314	362	386
280	5	140	173	206	238	269	332	393	453	483
336	6	168	208	247	285	323	398	472	544	579
392	7	196	242	288	333	377	464	550	634	676
448	8	224	277	329	380	430	530	629	725	772
504	9	252	311	370	428	484	597	707	815	869
560	10	280	346	411	475	538	663	786	906	965
616	11	308	381	452	523	592	729	865	997	1062
672	12	336	415	493	570	646	796	943	1087	1158
728	13	364	450	534	618	699	862	1022	1178	1255
784	14	392	484	575	665	753	928	1100	1268	1351
840	15	420	519	617	713	807	995	1179	1359	1448
896	16	448	554	658	760	861	1061	1258	1450	1544
952	17	476	588	699	808	915	1127	1336	1540	1641
1008	18	504	623	740	855	968	1193	1415	1631	1737
1064	19	532	657	781	903	1022	1260	1493	1721	1834
1120	20	560	692	822	950	1076	1326	1572	1812	1930
1176	21	588	727	863	998	1130	1392	1651	1903	2027
1232	22	616	761	904	1045	1184	1459	1729	1993	2123
1288	23	644	796	945	1093	1237	1525	1808	2084	2220
1344	24	672	830	986	1140	1291	1591	1886	2174	2316
1400	25	700	865	1028	1188	1345	1658	1965	2265	2413
1456	26	728	900	1069	1235	1399	1724	2044	2356	2509
1512	27	756	934	1110	1283	1453	1790	2122	2446	2606
1568	28	784	969	1151	1330	1506	1856	2201	2537	2702
1624	29	812	1003	1192	1378	1560	1923	2279	2627	2799
1680	30	840	1038	1233	1425	1614	1989	2358	2718	2895
1736	31	868	1073	1274	1473	1668	2055	2437	2809	2992
1792	32	896	1107	1315	1520	1722	2122	2515	2899	3088

All intermediate sizes are available for widths from 4 to 32 elements and heights from 400 to 2500 mm.

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
224	4	408	432	456	480	504	524	548	568	612
280	5	510	540	570	600	630	655	685	710	765
336	6	612	648	684	720	756	786	822	852	918
392	7	714	756	798	840	882	917	959	994	1071
448	8	816	864	912	960	1008	1048	1096	1136	1224
504	9	918	972	1026	1080	1134	1179	1233	1278	1377
560	10	1020	1080	1140	1200	1260	1310	1370	1420	1530
616	11	1122	1188	1254	1320	1386	1441	1507	1562	1683
672	12	1224	1296	1368	1440	1512	1572	1644	1704	1836
728	13	1326	1404	1482	1560	1638	1703	1781	1846	1989
784	14	1428	1512	1596	1680	1764	1834	1918	1988	2142
840	15	1530	1620	1710	1800	1890	1965	2055	2130	2295
896	16	1632	1728	1824	1920	2016	2096	2192	2272	2448
952	17	1734	1836	1938	2040	2142	2227	2329	2414	2601
1008	18	1836	1944	2052	2160	2268	2358	2466	2556	2754
1064	19	1938	2052	2166	2280	2394	2489	2603	2698	2907
1120	20	2040	2160	2280	2400	2520	2620	2740	2840	3060
1176	21	2142	2268	2394	2520	2646	2751	2877	2982	3213
1232	22	2244	2376	2508	2640	2772	2882	3014	3124	3366
1288	23	2346	2484	2622	2760	2898	3013	3151	3266	3519
1344	24	2448	2592	2736	2880	3024	3144	3288	3408	3672
1400	25	2550	2700	2850	3000	3150	3275	3425	3550	3825
1456	26	2652	2808	2964	3120	3276	3406	3562	3692	3978
1512	27	2754	2916	3078	3240	3402	3537	3699	3834	4131
1568	28	2856	3024	3192	3360	3528	3668	3836	3976	4284
1624	29	2958	3132	3306	3480	3654	3799	3973	4118	4437
1680	30	3060	3240	3420	3600	3780	3930	4110	4260	4590
1736	31	3162	3348	3534	3720	3906	4061	4247	4402	4743
1792	32	3264	3456	3648	3840	4032	4192	4384	4544	4896

ROSY

VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	336	4,0	208	156	107	RO50 06 050 V __ __ A
8	448	5,4	277	207	143	RO50 08 050 V __ __ A
10	560	6,7	346	259	179	RO50 10 050 V __ __ A
12	672	8,0	415	311	215	RO50 12 050 V __ __ A
14	784	9,4	484	363	251	RO50 14 050 V __ __ A
15	840	10,1	519	389	269	RO50 15 050 V __ __ A
16	896	10,7	554	415	286	RO50 16 050 V __ __ A
18	1008	12,1	623	467	322	RO50 18 050 V __ __ A
19	1064	12,7	657	493	340	RO50 19 050 V __ __ A
20	1120	13,4	692	519	358	RO50 20 050 V __ __ A
22	1232	14,7	761	570	394	RO50 22 050 V __ __ A
23	1288	15,4	796	596	412	RO50 23 050 V __ __ A
24	1344	16,1	830	622	430	RO50 24 050 V __ __ A
25	1400	16,8	865	648	448	RO50 25 050 V __ __ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	336	4,7	247	185	127	RO50 06 060 V __ __ A
8	448	6,2	329	246	170	RO50 08 060 V __ __ A
10	560	7,8	411	308	212	RO50 10 060 V __ __ A
12	672	9,3	493	370	255	RO50 12 060 V __ __ A
14	784	10,9	575	431	297	RO50 14 060 V __ __ A
15	840	11,6	617	462	319	RO50 15 060 V __ __ A
16	896	12,4	658	493	340	RO50 16 060 V __ __ A
18	1008	14,0	740	554	382	RO50 18 060 V __ __ A
19	1064	14,7	781	585	404	RO50 19 060 V __ __ A
20	1120	15,5	822	616	425	RO50 20 060 V __ __ A
22	1232	17,1	904	678	467	RO50 22 060 V __ __ A
23	1288	17,8	945	709	489	RO50 23 060 V __ __ A
24	1344	18,6	986	739	510	RO50 24 060 V __ __ A
25	1400	19,4	1028	770	531	RO50 25 060 V __ __ A

H 700 mm

6	336	5,3	285	214	147	RO50 06 070 V __ __ A
8	448	7,1	380	285	196	RO50 08 070 V __ __ A
10	560	8,8	475	356	246	RO50 10 070 V __ __ A
12	672	10,6	570	427	295	RO50 12 070 V __ __ A
14	784	12,4	665	499	344	RO50 14 070 V __ __ A
15	840	13,2	713	534	368	RO50 15 070 V __ __ A
16	896	14,1	760	570	393	RO50 16 070 V __ __ A
18	1008	15,9	855	641	442	RO50 18 070 V __ __ A
19	1064	16,8	903	677	467	RO50 19 070 V __ __ A
20	1120	17,7	950	712	491	RO50 20 070 V __ __ A
22	1232	19,4	1.045	783	540	RO50 22 070 V __ __ A
23	1288	20,3	1.093	819	565	RO50 23 070 V __ __ A
24	1344	21,2	1.140	855	589	RO50 24 070 V __ __ A
25	1400	22,1	1.188	890	614	RO50 25 070 V __ __ A

H 800 mm

6	336	6,0	323	242	167	RO50 06 080 V __ __ A
8	448	7,9	430	323	223	RO50 08 080 V __ __ A
10	560	9,9	538	403	278	RO50 10 080 V __ __ A
12	672	11,9	646	484	334	RO50 12 080 V __ __ A
14	784	13,9	753	565	390	RO50 14 080 V __ __ A
15	840	14,9	807	605	417	RO50 15 080 V __ __ A
16	896	15,9	861	645	445	RO50 16 080 V __ __ A
18	1008	17,9	968	726	501	RO50 18 080 V __ __ A
19	1064	18,8	1022	766	529	RO50 19 080 V __ __ A
20	1120	19,8	1076	807	557	RO50 20 080 V __ __ A
22	1232	21,8	1184	887	612	RO50 22 080 V __ __ A
23	1288	22,8	1237	928	640	RO50 23 080 V __ __ A
24	1344	23,8	1291	968	668	RO50 24 080 V __ __ A
25	1400	24,8	1345	1008	696	RO50 25 080 V __ __ A

H 1000 mm

4	224	4,8	265	199	137	RO50 04 100 V __ __ A
6	336	7,3	398	298	206	RO50 06 100 V __ __ A
8	448	9,7	530	398	275	RO50 08 100 V __ __ A
9	504	10,9	597	448	309	RO50 09 100 V __ __ A
10	560	12,1	663	497	343	RO50 10 100 V __ __ A
11	616	13,3	729	547	377	RO50 11 100 V __ __ A
12	672	14,5	796	597	412	RO50 12 100 V __ __ A
14	784	16,9	928	696	480	RO50 14 100 V __ __ A
16	896	19,4	1061	796	549	RO50 16 100 V __ __ A
18	1008	21,8	1193	895	618	RO50 18 100 V __ __ A
19	1064	23,0	1260	945	652	RO50 19 100 V __ __ A
20	1120	24,2	1326	994	686	RO50 20 100 V __ __ A
22	1232	26,6	1459	1094	755	RO50 22 100 V __ __ A
24	1344	29,0	1591	1193	824	RO50 24 100 V __ __ A

H 1200 mm

4	224	5,7	306	230	159	RO50 04 120 V __ __ A
6	336	8,6	460	345	238	RO50 06 120 V __ __ A
8	448	11,4	613	460	317	RO50 08 120 V __ __ A
9	504	12,8	689	517	357	RO50 09 120 V __ __ A
10	560	14,3	766	575	397	RO50 10 120 V __ __ A
11	616	15,7	843	632	436	RO50 11 120 V __ __ A
12	672	17,1	919	690	476	RO50 12 120 V __ __ A
14	784	20,0	1072	805	555	RO50 14 120 V __ __ A
16	896	22,8	1226	919	635	RO50 16 120 V __ __ A
18	1008	25,7	1379	1034	714	RO50 18 120 V __ __ A
19	1064	27,1	1455	1092	754	RO50 19 120 V __ __ A
20	1120	28,5	1532	1149	793	RO50 20 120 V __ __ A
22	1232	31,4	1685	1264	873	RO50 22 120 V __ __ A
24	1344	34,2	1838	1379	952	RO50 24 120 V __ __ A

ROSY

VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	6,6	362	272	188	RO50 04 140 V __ __ A
5	280	8,2	453	340	235	RO50 05 140 V __ __ A
6	336	9,9	544	408	282	RO50 06 140 V __ __ A
7	392	11,5	634	476	329	RO50 07 140 V __ __ A
8	448	13,2	725	544	376	RO50 08 140 V __ __ A
9	504	14,8	815	612	423	RO50 09 140 V __ __ A
10	560	16,5	906	680	470	RO50 10 140 V __ __ A
11	616	18,1	997	748	516	RO50 11 140 V __ __ A
12	672	19,7	1087	816	563	RO50 12 140 V __ __ A
13	728	21,4	1178	884	610	RO50 13 140 V __ __ A
14	784	23,0	1268	952	657	RO50 14 140 V __ __ A
16	896	26,3	1450	1088	751	RO50 16 140 V __ __ A
18	1008	29,6	1631	1224	845	RO50 18 140 V __ __ A
20	1120	32,9	1812	1360	939	RO50 20 140 V __ __ A

H 1500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	7,0	215	162	112	RO50 04 150 V __ __ A
5	280	8,8	269	202	139	RO50 05 150 V __ __ A
6	336	10,5	323	242	167	RO50 06 150 V __ __ A
7	392	12,3	377	283	195	RO50 07 150 V __ __ A
8	448	14,0	430	323	223	RO50 08 150 V __ __ A
9	504	15,8	484	363	251	RO50 09 150 V __ __ A
10	560	17,5	538	404	279	RO50 10 150 V __ __ A
11	616	19,3	592	444	307	RO50 11 150 V __ __ A
12	672	21,0	646	485	335	RO50 12 150 V __ __ A
13	728	22,8	699	525	363	RO50 13 150 V __ __ A
14	784	24,5	753	565	390	RO50 14 150 V __ __ A
16	896	28,0	861	646	446	RO50 16 150 V __ __ A
18	1008	31,6	968	727	502	RO50 18 150 V __ __ A
20	1120	35,1	1076	808	558	RO50 20 150 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	7,4	408	306	212	RO50 04 160 V __ __ A
5	280	9,3	510	383	264	RO50 05 160 V __ __ A
6	336	11,2	612	459	317	RO50 06 160 V __ __ A
7	392	13,0	714	536	370	RO50 07 160 V __ __ A
8	448	14,9	816	613	423	RO50 08 160 V __ __ A
9	504	16,8	918	689	476	RO50 09 160 V __ __ A
10	560	18,6	1020	766	529	RO50 10 160 V __ __ A
11	616	20,5	1122	842	582	RO50 11 160 V __ __ A
12	672	22,3	1224	919	635	RO50 12 160 V __ __ A
13	728	24,2	1326	995	688	RO50 13 160 V __ __ A
14	784	26,1	1428	1072	741	RO50 14 160 V __ __ A
16	896	29,8	1632	1225	846	RO50 16 160 V __ __ A
18	1008	33,5	1836	1378	952	RO50 18 160 V __ __ A
20	1120	37,2	2040	1531	1058	RO50 20 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	8,3	456	342	237	RO50 04 180 V __ __ A
5	280	10,4	570	428	296	RO50 05 180 V __ __ A
6	336	12,5	684	514	355	RO50 06 180 V __ __ A
7	392	14,6	798	599	414	RO50 07 180 V __ __ A
8	448	16,6	912	685	473	RO50 08 180 V __ __ A
9	504	18,7	1026	770	532	RO50 09 180 V __ __ A
10	560	20,8	1140	856	592	RO50 10 180 V __ __ A
11	616	22,9	1254	942	651	RO50 11 180 V __ __ A
12	672	25,0	1368	1027	710	RO50 12 180 V __ __ A
13	728	27,0	1482	1113	769	RO50 13 180 V __ __ A
14	784	29,1	1596	1198	828	RO50 14 180 V __ __ A
16	896	33,3	1824	1370	947	RO50 16 180 V __ __ A
18	1008	37,4	2052	1541	1065	RO50 18 180 V __ __ A
20	1120	41,6	2280	1712	1183	RO50 20 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	9,2	504	379	262	RO50 04 200 V __ __ A
5	280	11,5	630	473	327	RO50 05 200 V __ __ A
6	336	13,8	756	568	393	RO50 06 200 V __ __ A
7	392	16,1	882	662	458	RO50 07 200 V __ __ A
8	448	18,4	1008	757	524	RO50 08 200 V __ __ A
9	504	20,7	1134	852	589	RO50 09 200 V __ __ A
10	560	23,0	1260	946	654	RO50 10 200 V __ __ A
11	616	25,3	1386	1041	720	RO50 11 200 V __ __ A
12	672	27,6	1512	1136	785	RO50 12 200 V __ __ A
13	728	29,9	1638	1230	851	RO50 13 200 V __ __ A
14	784	32,2	1764	1325	916	RO50 14 200 V __ __ A
16	896	36,8	2016	1514	1047	RO50 16 200 V __ __ A
18	1008	41,3	2268	1704	1178	RO50 18 200 V __ __ A
20	1120	45,9	2520	1893	1309	RO50 20 200 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	11,4	612	460	318	RO50 04 250 V __ __ A
5	280	14,2	765	575	398	RO50 05 250 V __ __ A
6	336	17,0	918	690	478	RO50 06 250 V __ __ A
7	392	19,9	1071	805	557	RO50 07 250 V __ __ A
8	448	22,7	1224	920	637	RO50 08 250 V __ __ A
9	504	25,6	1377	1035	716	RO50 09 250 V __ __ A
10	560	28,4	1530	1150	796	RO50 10 250 V __ __ A
11	616	31,3	1683	1265	876	RO50 11 250 V __ __ A
12	672	34,1	1836	1380	955	RO50 12 250 V __ __ A
13	728	36,9	1989	1495	1035	RO50 13 250 V __ __ A
14	784	39,8	2142	1610	1114	RO50 14 250 V __ __ A
16	896	45,5	2448	1840	1274	RO50 16 250 V __ __ A
18	1008	51,1	2754	2070	1433	RO50 18 250 V __ __ A
20	1120	56,8	3060	2300	1592	RO50 20 250 V __ __ A

HOW TO ORDER THE ROSY VERTICAL RADIATOR

Radiator model E.g.: ROSY VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1500 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RO50	12	150	V01	R01	A

Example of article code creation

RO50 ROSY VERTICAL
12 12 Elements
150 Height 1500 mm
V01 connection V01 (see product page)
R01 color R01 - White (see color chart)
A Constant value

The article code will be:
RO50 12 150 V01 R01 A

ROSY

HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,56	0,67	0,77	0,88	0,99	1,21	1,43	1,64	1,75
Water content [lt]	0,256	0,292	0,329	0,365	0,401	0,474	0,546	0,619	0,655
Element surface [m²]	0,061	0,073	0,085	0,097	0,109	0,133	0,157	0,181	0,193
Pipe Centres I [mm] (H1 only)	**342**	**442**	**542**	**642**	**742**	**942**	**1142**	**1342**	**1442**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	1,86	1,97	2,08	2,19	2,30	2,41	2,51	2,62	2,84
Water content [lt]	0,691	0,727	0,764	0,800	0,836	0,872	0,909	0,945	1,017
Element surface [m²]	0,205	0,217	0,229	0,241	0,253	0,265	0,277	0,289	0,313
Pipe Centres I [mm] (H1 only)	**1542**	**1642**	**1742**	**1842**	**1942**	**2042**	**2142**	**2242**	**2442**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 38 mm collectors in painted mild steel.
• 50x10 mm rectangular horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

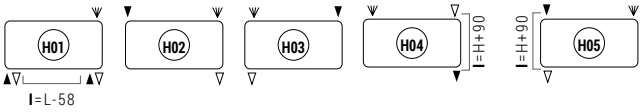
COLORS:
See color chart on pages II and III.

CERTIFICATES

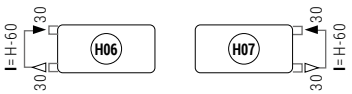
EN 442-1 RADIATORS AND CONVECTORS

HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

STANDARD CONNECTIONS



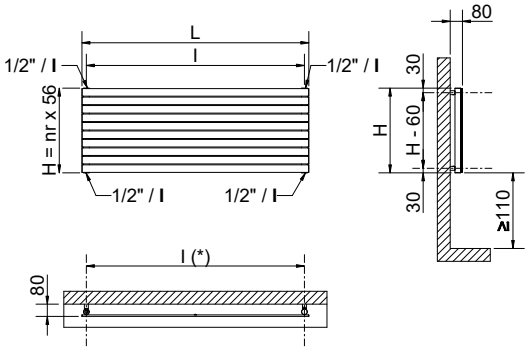
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

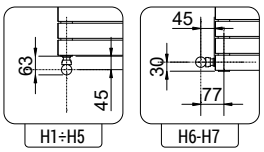
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



(*) The fixing kit has the same pipe centre (I) as the radiator

Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE ROSY HORIZONTAL RADIATOR

Radiator model E.g.: ROSY horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1500 mm	Connection code Example: connection H01	Color code Es: R01 - White	Constant value
RO50	12	150	H01	R01	A

Example of article code creation

RO50 ROSY Horizontal
12 12 Elements (see table below)
150 Width 1500 mm (see table below)
H01 Connection H01 (see next page)
R01 cColor R01 - White (see color chart)
A Constant value

The article code will be:
RO50 12 150 H01 R01 A

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
224	**4**	112	140	168	196	224	280	336	392	420	149	1,2375
280	**5**	137	172	206	241	275	344	412	481	515	183	1,2378
336	**6**	162	203	244	284	325	406	487	568	609	216	1,2380
392	**7**	187	234	280	327	374	467	560	654	701	248	1,2383
448	**8**	211	264	317	370	422	528	634	739	792	280	1,2386
504	**9**	235	294	353	412	470	588	706	823	882	312	1,2389
560	**10**	259	324	388	453	518	647	776	906	971	344	1,2392
616	**11**	282	353	424	494	565	706	847	988	1059	375	1,2394
672	**12**	306	383	459	536	612	765	918	1071	1148	406	1,2397
728	**13**	329	412	494	576	658	823	988	1152	1235	437	1,2400
784	**14**	352	441	529	617	705	881	1057	1233	1322	468	1,2403
840	**15**	376	470	563	657	751	939	1127	1315	1409	498	1,2405
896	**16**	399	499	598	698	798	997	1196	1396	1496	529	1,2408
952	**17**	422	527	632	738	843	1054	1265	1476	1581	559	1,2411
1008	**18**	444	556	667	778	889	1111	1333	1555	1667	589	1,2414
1064	**19**	467	584	701	818	934	1168	1402	1635	1752	619	1,2416
1120	**20**	490	613	735	858	980	1225	1470	1715	1838	650	1,2419
1176	**21**	513	641	769	897	1026	1282	1538	1795	1923	680	1,2422
1232	**22**	536	670	803	937	1071	1339	1607	1875	2009	710	1,2425
1288	**23**	558	698	837	977	1116	1395	1674	1953	2093	739	1,2427
1344	**24**	581	726	871	1016	1162	1452	1742	2033	2178	769	1,2430
1400	**25**	603	754	905	1056	1206	1508	1810	2111	2262	799	1,2433
1456	**26**	626	782	938	1095	1251	1564	1877	2190	2346	829	1,2436
1512	**27**	648	810	972	1134	1296	1620	1944	2268	2430	858	1,2439
1568	**28**	670	838	1006	1173	1341	1676	2011	2346	2514	888	1,2441
1624	**29**	693	866	1039	1212	1386	1732	2078	2425	2598	917	1,2444
1680	**30**	715	894	1073	1252	1430	1788	2146	2503	2682	947	1,2447
1736	**31**	738	922	1106	1291	1475	1844	2213	2582	2766	976	1,2450
1792	**32**	760	950	1140	1330	1520	1900	2280	2660	2850	1006	1,2452

All intermediate sizes for heights from 4 to 32 Elements and widths from 400 to 2500 mm.

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
224	**4**	448	476	504	532	560	588	616	644	700	149	1,2375
280	**5**	550	584	619	654	688	722	757	791	860	183	1,2378
336	**6**	650	690	731	771	812	853	893	934	1015	216	1,2380
392	**7**	747	794	841	887	934	981	1027	1074	1168	248	1,2383
448	**8**	845	898	950	1003	1056	1109	1162	1214	1320	280	1,2386
504	**9**	941	1000	1058	1117	1176	1235	1294	1352	1470	312	1,2389
560	**10**	1035	1100	1165	1229	1294	1359	1423	1488	1618	344	1,2392
616	**11**	1130	1200	1271	1341	1412	1483	1553	1624	1765	375	1,2394
672	**12**	1224	1301	1377	1454	1530	1607	1683	1760	1913	406	1,2397
728	**13**	1317	1399	1481	1564	1646	1728	1811	1893	2058	437	1,2400
784	**14**	1410	1498	1586	1674	1762	1850	1938	2026	2203	468	1,2403
840	**15**	1502	1596	1690	1784	1878	1972	2066	2160	2348	498	1,2405
896	**16**	1595	1695	1795	1894	1994	2094	2193	2293	2493	529	1,2408
952	**17**	1686	1792	1897	2003	2108	2213	2319	2424	2635	559	1,2411
1008	**18**	1778	1889	2000	2111	2222	2333	2444	2555	2778	589	1,2414
1064	**19**	1869	1986	2102	2219	2336	2453	2570	2686	2920	619	1,2416
1120	**20**	1960	2083	2205	2328	2450	2573	2695	2818	3063	650	1,2419
1176	**21**	2051	2179	2308	2436	2564	2692	2820	2949	3205	680	1,2422
1232	**22**	2142	2276	2410	2544	2678	2812	2946	3080	3348	710	1,2425
1288	**23**	2232	2372	2511	2651	2790	2930	3069	3209	3488	739	1,2427
1344	**24**	2323	2468	2614	2759	2904	3049	3194	3340	3630	769	1,2430
1400	**25**	2413	2564	2714	2865	3016	3167	3318	3468	3770	799	1,2433
1456	**26**	2502	2659	2815	2972	3128	3284	3441	3597	3910	829	1,2436
1512	**27**	2592	2754	2916	3078	3240	3402	3564	3726	4050	858	1,2439
1568	**28**	2682	2849	3017	3184	3352	3520	3687	3855	4190	888	1,2441
1624	**29**	2771	2944	3118	3291	3464	3637	3810	3984	4330	917	1,2444
1680	**30**	2861	3040	3218	3397	3576	3755	3934	4112	4470	947	1,2447
1736	**31**	2950	3135	3319	3504	3688	3872	4057	4241	4610	976	1,2450
1792	**32**	3040	3230	3420	3610	3800	3990	4180	4370	4750	1006	1,2452

ROSY

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 392 mm							
7	400	1,2383	3,9	187	142	99	RO50 07 040 H __ __ A
	500	1,2383	4,7	234	178	124	RO50 07 050 H __ __ A
	600	1,2383	5,4	280	212	149	RO50 07 060 H __ __ A
	700	1,2383	6,2	327	248	174	RO50 07 070 H __ __ A
	800	1,2383	6,9	374	284	199	RO50 07 080 H __ __ A
	1000	1,2383	8,5	467	354	248	RO50 07 100 H __ __ A
	1200	1,2383	10,0	560	425	297	RO50 07 120 H __ __ A
	1400	1,2383	11,5	654	496	347	RO50 07 140 H __ __ A
	1500	1,2383	12,3	701	532	372	RO50 07 150 H __ __ A
	1600	1,2383	13,0	747	567	397	RO50 07 160 H __ __ A
	1700	1,2383	13,8	794	602	422	RO50 07 170 H __ __ A
	1800	1,2383	14,6	841	638	447	RO50 07 180 H __ __ A
	1900	1,2383	15,3	887	673	471	RO50 07 190 H __ __ A
	2000	1,2383	16,1	934	709	496	RO50 07 200 H __ __ A
	2100	1,2383	16,9	981	744	521	RO50 07 210 H __ __ A
	2200	1,2383	17,6	1027	779	546	RO50 07 220 H __ __ A
	2300	1,2383	18,3	1074	815	571	RO50 07 230 H __ __ A
	2500	1,2383	19,9	1168	886	620	RO50 07 250 H __ __ A
H 504 mm							
9	400	1,2389	5,0	235	178	125	RO50 09 040 H __ __ A
	500	1,2389	6,0	294	223	156	RO50 09 050 H __ __ A
	600	1,2389	6,9	353	268	187	RO50 09 060 H __ __ A
	700	1,2389	7,9	412	312	219	RO50 09 070 H __ __ A
	800	1,2389	8,9	470	356	250	RO50 09 080 H __ __ A
	1000	1,2389	10,9	588	446	312	RO50 09 100 H __ __ A
	1200	1,2389	12,9	706	535	375	RO50 09 120 H __ __ A
	1400	1,2389	14,8	823	624	437	RO50 09 140 H __ __ A
	1500	1,2389	15,8	882	669	468	RO50 09 150 H __ __ A
	1600	1,2389	16,7	941	714	500	RO50 09 160 H __ __ A
	1700	1,2389	17,7	1000	758	531	RO50 09 170 H __ __ A
	1800	1,2389	18,7	1058	802	562	RO50 09 180 H __ __ A
	1900	1,2389	19,7	1117	847	593	RO50 09 190 H __ __ A
	2000	1,2389	20,7	1176	892	625	RO50 09 200 H __ __ A
	2100	1,2389	21,7	1235	937	656	RO50 09 210 H __ __ A
	2200	1,2389	22,6	1294	981	687	RO50 09 220 H __ __ A
	2300	1,2389	23,6	1352	1025	718	RO50 09 230 H __ __ A
	2500	1,2389	25,6	1470	1115	781	RO50 09 250 H __ __ A
H 560 mm							
10	400	1,2392	5,6	259	196	138	RO50 10 040 H __ __ A
	500	1,2392	6,7	324	246	172	RO50 10 050 H __ __ A
	600	1,2392	7,7	388	294	206	RO50 10 060 H __ __ A
	700	1,2392	8,8	453	344	241	RO50 10 070 H __ __ A
	800	1,2392	9,9	518	393	275	RO50 10 080 H __ __ A
	1000	1,2392	12,1	647	491	344	RO50 10 100 H __ __ A
	1200	1,2392	14,3	776	589	412	RO50 10 120 H __ __ A
	1400	1,2392	16,4	906	687	481	RO50 10 140 H __ __ A
	1500	1,2392	17,5	971	736	516	RO50 10 150 H __ __ A
	1600	1,2392	18,6	1035	785	550	RO50 10 160 H __ __ A
	1700	1,2392	19,7	1100	834	584	RO50 10 170 H __ __ A
	1800	1,2392	20,8	1165	884	619	RO50 10 180 H __ __ A
	1900	1,2392	21,9	1229	932	653	RO50 10 190 H __ __ A
	2000	1,2392	23,0	1294	981	687	RO50 10 200 H __ __ A
	2100	1,2392	24,1	1359	1031	722	RO50 10 210 H __ __ A
	2200	1,2392	25,1	1423	1079	756	RO50 10 220 H __ __ A
	2300	1,2392	26,2	1488	1129	790	RO50 10 230 H __ __ A
	2500	1,2392	28,4	1618	1227	859	RO50 10 250 H __ __ A

ROSY

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 616 mm							
11	400	1,2394	6,2	282	214	150	RO50 11 040 H __ __ A
	500	1,2394	7,4	353	268	187	RO50 11 050 H __ __ A
	600	1,2394	8,5	424	322	225	RO50 11 060 H __ __ A
	700	1,2394	9,7	494	375	262	RO50 11 070 H __ __ A
	800	1,2394	10,9	565	428	300	RO50 11 080 H __ __ A
	1000	1,2394	13,3	706	535	375	RO50 11 100 H __ __ A
	1200	1,2394	15,7	847	642	450	RO50 11 120 H __ __ A
	1400	1,2394	18,0	988	749	525	RO50 11 140 H __ __ A
	1500	1,2394	19,3	1059	803	562	RO50 11 150 H __ __ A
	1600	1,2394	20,5	1130	857	600	RO50 11 160 H __ __ A
	1700	1,2394	21,7	1200	910	637	RO50 11 170 H __ __ A
	1800	1,2394	22,9	1271	964	675	RO50 11 180 H __ __ A
	1900	1,2394	24,1	1341	1017	712	RO50 11 190 H __ __ A
	2000	1,2394	25,3	1412	1071	750	RO50 11 200 H __ __ A
	2100	1,2394	26,5	1483	1125	787	RO50 11 210 H __ __ A
	2200	1,2394	27,6	1553	1178	825	RO50 11 220 H __ __ A
	2300	1,2394	28,8	1624	1232	862	RO50 11 230 H __ __ A
	2500	1,2394	31,2	1765	1339	937	RO50 11 250 H __ __ A
H 672 mm							
12	400	1,2397	6,7	306	232	162	RO50 12 040 H __ __ A
	500	1,2397	8,0	383	290	203	RO50 12 050 H __ __ A
	600	1,2397	9,2	459	348	244	RO50 12 060 H __ __ A
	700	1,2397	10,6	536	406	285	RO50 12 070 H __ __ A
	800	1,2397	11,9	612	464	325	RO50 12 080 H __ __ A
	1000	1,2397	14,5	765	580	406	RO50 12 100 H __ __ A
	1200	1,2397	17,2	918	696	487	RO50 12 120 H __ __ A
	1400	1,2397	19,7	1071	812	569	RO50 12 140 H __ __ A
	1500	1,2397	21,0	1148	871	609	RO50 12 150 H __ __ A
	1600	1,2397	22,3	1224	928	650	RO50 12 160 H __ __ A
	1700	1,2397	23,6	1301	987	691	RO50 12 170 H __ __ A
	1800	1,2397	25,0	1377	1044	731	RO50 12 180 H __ __ A
	1900	1,2397	26,3	1454	1103	772	RO50 12 190 H __ __ A
	2000	1,2397	27,6	1530	1160	812	RO50 12 200 H __ __ A
	2100	1,2397	28,9	1607	1219	853	RO50 12 210 H __ __ A
	2200	1,2397	30,1	1683	1276	893	RO50 12 220 H __ __ A
	2300	1,2397	31,4	1760	1335	934	RO50 12 230 H __ __ A
	2500	1,2397	34,1	1913	1451	1016	RO50 12 250 H __ __ A
H 784 mm							
14	400	1,2403	7,8	352	267	187	RO50 14 040 H __ __ A
	500	1,2403	9,4	441	334	234	RO50 14 050 H __ __ A
	600	1,2403	10,8	529	401	281	RO50 14 060 H __ __ A
	700	1,2403	12,3	617	468	327	RO50 14 070 H __ __ A
	800	1,2403	13,9	705	535	374	RO50 14 080 H __ __ A
	1000	1,2403	16,9	881	668	468	RO50 14 100 H __ __ A
	1200	1,2403	20,0	1057	801	561	RO50 14 120 H __ __ A
	1400	1,2403	23,0	1233	935	654	RO50 14 140 H __ __ A
	1500	1,2403	24,5	1322	1002	702	RO50 14 150 H __ __ A
	1600	1,2403	26,0	1410	1069	748	RO50 14 160 H __ __ A
	1700	1,2403	27,6	1498	1136	795	RO50 14 170 H __ __ A
	1800	1,2403	29,1	1586	1203	842	RO50 14 180 H __ __ A
	1900	1,2403	30,7	1674	1269	888	RO50 14 190 H __ __ A
	2000	1,2403	32,2	1762	1336	935	RO50 14 200 H __ __ A
	2100	1,2403	33,7	1850	1403	982	RO50 14 210 H __ __ A
	2200	1,2403	35,1	1938	1469	1028	RO50 14 220 H __ __ A
	2300	1,2403	36,7	2026	1536	1075	RO50 14 230 H __ __ A
	2500	1,2403	39,8	2203	1670	1169	RO50 14 250 H __ __ A

HOW TO ORDER THE ROSY HORIZONTAL RADIATOR

Radiator model E.g.: ROSY horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1500 mm	Connection code Example: connection H01	Color code Es: R01 - White	Constant value
RO50	12	150	H01	R01	A

Example of article code creation

RO50 ROSY Horizontal
12 12 Elements
150 Width 1500 mm
H01 Connection H01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RO50 12 150 H01 R01 A

ROSY

TANDEM VERTICAL

WARRANTY **5 YEARS**



Height H [mm]	500	558	600	658	700	800	858	958	1000
Therm. output per el. Δt = 50 °C [Watt]	54,8	60,3	64,2	69,5	73,3	82,3	87,4	96,1	99,7
Therm. output per el. Δt = 30 °C [Watt]	27,6	30,4	32,3	35,0	36,9	41,5	44,0	48,4	50,3
Dry Weight per element [kg]	1,208	1,334	1,425	1,551	1,642	1,860	1,986	2,203	2,294
Water content [lt]	0,473	0,515	0,545	0,587	0,618	0,690	0,732	0,805	0,835
Element surface [m²]	0,133	0,147	0,157	0,171	0,181	0,205	0,219	0,243	0,253
Exponent **n**	1,3426	1,3424	1,3423	1,3421	1,3420	1,3417	1,3415	1,3412	1,3411
Pipe Centres I [mm] (V3-V4 only)	**442**	**500**	**542**	**600**	**642**	**742**	**800**	**900**	**942**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1200	1400	1600	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	117	133	149	165	173	180	195	203	218
Therm. output per el. Δt = 30 °C [Watt]	58,8	67,1	75,2	83,2	87,1	91,0	98,6	102,0	110,0
Dry Weight per element [kg]	2,728	3,163	3,597	4,032	4,249	4,466	4,900	5,118	5,552
Water content [lt]	0,980	1,125	1,269	1,414	1,487	1,559	1,704	1,776	1,921
Element surface [m²]	0,301	0,349	0,397	0,445	0,469	0,493	0,541	0,565	0,613
Exponent **n**	1,3405	1,3399	1,3393	1,3387	1,3384	1,3381	1,3375	1,3372	1,3366
Pipe Centres I [mm] (V3-V4 only)	**1142**	**1342**	**1542**	**1742**	**1842**	**1942**	**2142**	**2242**	**2442**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 38 mm horizontal collectors in painted mild steel.
• 50x10 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

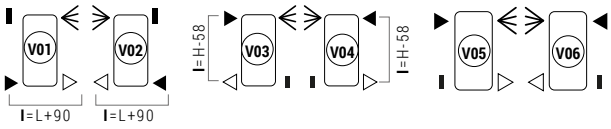
COLORS:
See color chart on pages II and III.

CERTIFICATES

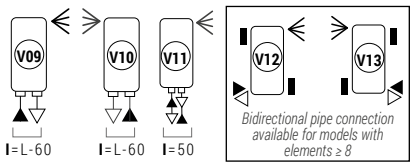
EN 442-1 RADIATORS AND CONVECTORS

HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

STANDARD CONNECTIONS



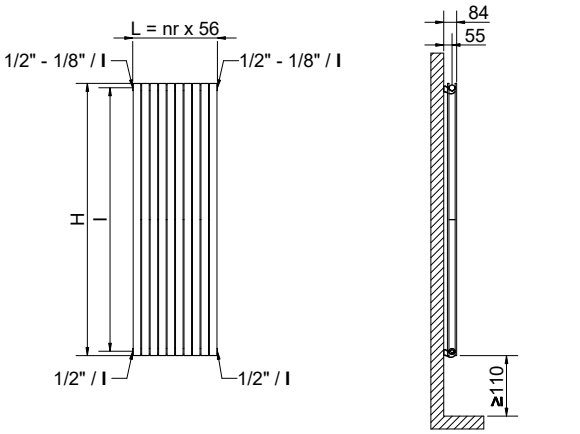
SPECIAL CONNECTIONS



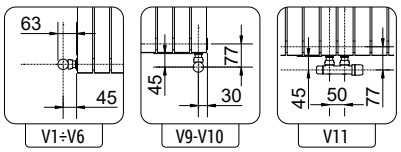
Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND

In	I Pipe Centres
Out	L Width
Airvent	Connection
H Height	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE ROSY TANDEM VERTICAL RADIATOR

Radiator model E.g.: ROSY TANDEM VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1500 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RT50	12	150	V01	R01	A

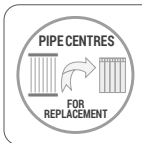
Example of article code creation

RT50 ROSY TANDEM VERTICAL
12 12 Elements (see table below)
150 Height 1500 mm (see table below)
V01 Connection V01 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RT50 12 150 V01 R01 A

Height H [mm]		500	558	600	658	700	800	858	958	1000
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
224	4	219	241	257	278	293	329	350	384	399
280	5	274	301	321	348	367	412	437	480	499
336	6	329	362	385	417	440	494	524	577	598
392	7	384	422	449	487	513	576	612	673	698
448	8	438	482	514	556	586	658	699	769	798
504	9	493	543	578	626	660	741	787	865	897
560	10	548	603	642	695	733	823	874	961	997
616	11	603	663	706	765	806	905	961	1057	1097
672	12	658	724	770	834	880	988	1049	1153	1196
728	13	712	784	835	904	953	1070	1136	1249	1296
784	14	767	844	899	973	1026	1152	1224	1345	1396
840	15	822	904	963	1043	1100	1235	1311	1441	1496
896	16	877	965	1027	1112	1173	1317	1398	1537	1595
952	17	932	1025	1091	1182	1246	1399	1486	1633	1695
1008	18	986	1085	1156	1251	1319	1481	1573	1730	1795

All intermediate sizes are available for widths from 4 to 18 elements and heights from 500 to 2500 mm.



Replacement heights are marked in grey color.

Height H [mm]		1200	1400	1600	1800	1900	2000	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
224	4	468	532	596	660	692	720	780	812	872
280	5	585	665	745	825	865	900	975	1015	1090
336	6	702	798	894	990	1038	1080	1170	1218	1308
392	7	819	931	1043	1155	1211	1260	1365	1421	1526
448	8	936	1064	1192	1320	1384	1440	1560	1624	1744
504	9	1053	1197	1341	1485	1557	1620	1755	1827	1962
560	10	1170	1330	1490	1650	1730	1800	1950	2030	2180
616	11	1287	1463	1639	1815	1903	1980	2145	2233	2398
672	12	1404	1596	1788	1980	2076	2160	2340	2436	2616
728	13	1521	1729	1937	2145	2249	2340	2535	2639	2834
784	14	1638	1862	2086	2310	2422	2520	2730	2842	3052
840	15	1755	1995	2235	2475	2595	2700	2925	3045	3270
896	16	1872	2128	2384	2640	2768	2880	3120	3248	3488
952	17	1989	2261	2533	2805	2941	3060	3315	3451	3706
1008	18	2106	2394	2682	2970	3114	3240	3510	3654	3924

ROSY

TANDEM VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	336	7,2	329	244	166	RT50 06 050 V _ _ A
7	392	8,5	384	284	193	RT50 07 050 V _ _ A
8	448	9,7	438	325	221	RT50 08 050 V _ _ A
9	504	10,9	493	366	248	RT50 09 050 V _ _ A
10	560	12,1	548	406	276	RT50 10 050 V _ _ A
11	616	13,3	603	447	304	RT50 11 050 V _ _ A
12	672	14,5	658	487	331	RT50 12 050 V _ _ A
13	728	15,7	712	528	359	RT50 13 050 V _ _ A
14	784	16,9	767	569	386	RT50 14 050 V _ _ A
15	840	18,1	822	609	414	RT50 15 050 V _ _ A
16	896	19,3	877	650	442	RT50 16 050 V _ _ A
17	952	20,5	932	690	469	RT50 17 050 V _ _ A
18	1008	21,7	986	731	497	RT50 18 050 V _ _ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	336	8,6	385	285	194	RT50 06 060 V _ _ A
7	392	10,0	449	333	226	RT50 07 060 V _ _ A
8	448	11,4	514	381	259	RT50 08 060 V _ _ A
9	504	12,8	578	428	291	RT50 09 060 V _ _ A
10	560	14,3	642	476	323	RT50 10 060 V _ _ A
11	616	15,7	706	523	356	RT50 11 060 V _ _ A
12	672	17,1	770	571	388	RT50 12 060 V _ _ A
13	728	18,5	835	619	420	RT50 13 060 V _ _ A
14	784	20,0	899	666	453	RT50 14 060 V _ _ A
15	840	21,4	963	714	485	RT50 15 060 V _ _ A
16	896	22,8	1027	761	517	RT50 16 060 V _ _ A
17	952	24,2	1091	809	550	RT50 17 060 V _ _ A
18	1008	25,7	1156	856	582	RT50 18 060 V _ _ A

H 700 mm

6	336	9,9	440	326	222	RT50 06 070 V _ _ A
7	392	11,5	513	380	259	RT50 07 070 V _ _ A
8	448	13,1	586	435	295	RT50 08 070 V _ _ A
9	504	14,8	660	489	332	RT50 09 070 V _ _ A
10	560	16,4	733	543	369	RT50 10 070 V _ _ A
11	616	18,1	806	598	406	RT50 11 070 V _ _ A
12	672	19,7	880	652	443	RT50 12 070 V _ _ A
13	728	21,3	953	706	480	RT50 13 070 V _ _ A
14	784	23,0	1026	761	517	RT50 14 070 V _ _ A
15	840	24,6	1100	815	554	RT50 15 070 V _ _ A
16	896	26,3	1173	869	591	RT50 16 070 V _ _ A
17	952	27,9	1246	924	628	RT50 17 070 V _ _ A
18	1008	29,6	1319	978	665	RT50 18 070 V _ _ A

H 800 mm

6	336	11,2	494	366	249	RT50 06 080 V _ _ A
7	392	13,0	576	427	290	RT50 07 080 V _ _ A
8	448	14,9	658	488	332	RT50 08 080 V _ _ A
9	504	16,7	741	549	373	RT50 09 080 V _ _ A
10	560	18,6	823	610	415	RT50 10 080 V _ _ A
11	616	20,5	905	671	456	RT50 11 080 V _ _ A
12	672	22,3	988	732	498	RT50 12 080 V _ _ A
13	728	24,2	1070	793	539	RT50 13 080 V _ _ A
14	784	26,0	1152	854	581	RT50 14 080 V _ _ A
15	840	27,9	1235	915	622	RT50 15 080 V _ _ A
16	896	29,8	1317	976	664	RT50 16 080 V _ _ A
17	952	31,6	1399	1037	705	RT50 17 080 V _ _ A
18	1008	33,5	1481	1098	746	RT50 18 080 V _ _ A

H 1000 mm

4	224	9,2	399	296	201	RT50 04 100 V _ _ A
5	280	11,5	499	370	251	RT50 05 100 V _ _ A
6	336	13,8	598	443	302	RT50 06 100 V _ _ A
7	392	16,1	698	517	352	RT50 07 100 V _ _ A
8	448	18,4	798	591	402	RT50 08 100 V _ _ A
9	504	20,6	897	665	452	RT50 09 100 V _ _ A
10	560	22,9	997	739	503	RT50 10 100 V _ _ A
11	616	25,2	1097	813	553	RT50 11 100 V _ _ A
12	672	27,5	1196	887	603	RT50 12 100 V _ _ A
13	728	29,8	1296	961	653	RT50 13 100 V _ _ A
14	784	32,1	1396	1035	704	RT50 14 100 V _ _ A
15	840	34,4	1496	1109	754	RT50 15 100 V _ _ A
16	896	36,7	1595	1183	804	RT50 16 100 V _ _ A
18	1008	41,3	1795	1330	905	RT50 18 100 V _ _ A

H 1200 mm

4	224	10,9	468	347	236	RT50 04 120 V _ _ A
5	280	13,6	585	434	295	RT50 05 120 V _ _ A
6	336	16,4	702	521	354	RT50 06 120 V _ _ A
7	392	19,1	819	607	413	RT50 07 120 V _ _ A
8	448	21,8	936	694	472	RT50 08 120 V _ _ A
9	504	24,6	1053	781	531	RT50 09 120 V _ _ A
10	560	27,3	1170	868	590	RT50 10 120 V _ _ A
11	616	30,0	1287	954	649	RT50 11 120 V _ _ A
12	672	32,7	1404	1041	708	RT50 12 120 V _ _ A
13	728	35,5	1521	1128	767	RT50 13 120 V _ _ A
14	784	38,2	1638	1215	826	RT50 14 120 V _ _ A
15	840	40,9	1755	1301	885	RT50 15 120 V _ _ A
16	896	43,6	1872	1388	944	RT50 16 120 V _ _ A
18	1008	49,1	2106	1562	1062	RT50 18 120 V _ _ A

ROSY

TANDEM VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	12,7	532	395	268	RT50 04 140 V __ __ A
5	280	15,8	665	493	335	RT50 05 140 V __ __ A
6	336	19,0	798	592	402	RT50 06 140 V __ __ A
7	392	22,1	931	690	470	RT50 07 140 V __ __ A
8	448	25,3	1064	789	537	RT50 08 140 V __ __ A
9	504	28,5	1197	888	604	RT50 09 140 V __ __ A
10	560	31,6	1330	986	671	RT50 10 140 V __ __ A
11	616	34,8	1463	1085	738	RT50 11 140 V __ __ A
12	672	38,0	1596	1184	805	RT50 12 140 V __ __ A
13	728	41,1	1729	1282	872	RT50 13 140 V __ __ A
14	784	44,3	1862	1381	939	RT50 14 140 V __ __ A
15	840	47,4	1995	1479	1006	RT50 15 140 V __ __ A
16	896	50,6	2128	1578	1073	RT50 16 140 V __ __ A
18	1008	56,9	2394	1775	1207	RT50 18 140 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	14,4	596	442	301	RT50 04 160 V __ __ A
5	280	18,0	745	553	376	RT50 05 160 V __ __ A
6	336	21,6	894	663	451	RT50 06 160 V __ __ A
7	392	25,2	1043	774	526	RT50 07 160 V __ __ A
8	448	28,8	1192	884	601	RT50 08 160 V __ __ A
9	504	32,4	1341	995	677	RT50 09 160 V __ __ A
10	560	36,0	1490	1105	752	RT50 10 160 V __ __ A
11	616	39,6	1639	1216	827	RT50 11 160 V __ __ A
12	672	43,2	1788	1326	902	RT50 12 160 V __ __ A
13	728	46,8	1937	1437	977	RT50 13 160 V __ __ A
14	784	50,4	2086	1547	1052	RT50 14 160 V __ __ A
15	840	54,0	2235	1658	1128	RT50 15 160 V __ __ A
16	896	57,6	2384	1768	1203	RT50 16 160 V __ __ A
18	1008	64,7	2682	1989	1353	RT50 18 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	16,1	660	490	333	RT50 04 180 V __ __ A
5	280	20,2	825	612	416	RT50 05 180 V __ __ A
6	336	24,2	990	734	500	RT50 06 180 V __ __ A
7	392	28,2	1155	857	583	RT50 07 180 V __ __ A
8	448	32,3	1320	979	666	RT50 08 180 V __ __ A
9	504	36,3	1485	1102	749	RT50 09 180 V __ __ A
10	560	40,3	1650	1224	833	RT50 10 180 V __ __ A
11	616	44,4	1815	1346	916	RT50 11 180 V __ __ A
12	672	48,4	1980	1469	999	RT50 12 180 V __ __ A
13	728	52,4	2145	1591	1083	RT50 13 180 V __ __ A
14	784	56,4	2310	1713	1166	RT50 14 180 V __ __ A
15	840	60,5	2475	1836	1249	RT50 15 180 V __ __ A
16	896	64,5	2640	1958	1332	RT50 16 180 V __ __ A
18	1008	72,6	2970	2203	1499	RT50 18 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	17,9	720	534	363	RT50 04 200 V __ __ A
5	280	22,3	900	668	454	RT50 05 200 V __ __ A
6	336	26,8	1080	801	545	RT50 06 200 V __ __ A
7	392	31,3	1260	935	636	RT50 07 200 V __ __ A
8	448	35,7	1440	1068	727	RT50 08 200 V __ __ A
9	504	40,2	1620	1202	818	RT50 09 200 V __ __ A
10	560	44,7	1800	1335	909	RT50 10 200 V __ __ A
11	616	49,1	1980	1469	1000	RT50 11 200 V __ __ A
12	672	53,6	2160	1602	1090	RT50 12 200 V __ __ A
13	728	58,1	2340	1736	1181	RT50 13 200 V __ __ A
14	784	62,5	2520	1869	1272	RT50 14 200 V __ __ A
15	840	67,0	2700	2003	1363	RT50 15 200 V __ __ A
16	896	71,5	2880	2137	1454	RT50 16 200 V __ __ A
18	1008	80,4	3240	2404	1636	RT50 18 200 V __ __ A

H 2200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	19,6	780	579	394	RT50 04 220 V __ __ A
5	280	24,5	975	723	492	RT50 05 220 V __ __ A
6	336	29,4	1170	868	591	RT50 06 220 V __ __ A
7	392	34,3	1365	1013	689	RT50 07 220 V __ __ A
8	448	39,2	1560	1157	788	RT50 08 220 V __ __ A
9	504	44,1	1755	1302	886	RT50 09 220 V __ __ A
10	560	49,0	1950	1447	985	RT50 10 220 V __ __ A
11	616	53,9	2145	1592	1083	RT50 11 220 V __ __ A
12	672	58,8	2340	1736	1182	RT50 12 220 V __ __ A
13	728	63,7	2535	1881	1280	RT50 13 220 V __ __ A
14	784	68,6	2730	2026	1379	RT50 14 220 V __ __ A
15	840	73,5	2925	2170	1477	RT50 15 220 V __ __ A
16	896	78,4	3120	2315	1576	RT50 16 220 V __ __ A
18	1008	88,2	3510	2604	1772	RT50 18 220 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
4	224	11,4	872	647	441	RT50 04 250 V __ __ A
5	280	14,2	1090	647	551	RT50 05 250 V __ __ A
6	336	17,0	1308	647	661	RT50 06 250 V __ __ A
7	392	19,9	1526	647	771	RT50 07 250 V __ __ A
8	448	22,7	1744	647	881	RT50 08 250 V __ __ A
9	504	25,6	1962	647	991	RT50 09 250 V __ __ A
10	560	28,4	2180	647	1101	RT50 10 250 V __ __ A
11	616	31,3	2398	647	1212	RT50 11 250 V __ __ A
12	672	34,1	2616	647	1322	RT50 12 250 V __ __ A
13	728	36,9	2834	647	1432	RT50 13 250 V __ __ A
14	784	39,8	3052	647	1542	RT50 14 250 V __ __ A
15	840	42,6	3270	647	1652	RT50 15 250 V __ __ A
16	896	45,5	3488	647	1762	RT50 16 250 V __ __ A
18	1008	51,1	3924	647	1982	RT50 18 250 V __ __ A

HOW TO ORDER THE ROSY TANDEM VERTICAL RADIATOR

Radiator model E.g.: ROSY TANDEM VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1500 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RT50	12	150	V01	R01	A

Example of article code creation

RT50 ROSY TANDEM VERTICAL
12 12 Elements
150 Height 1500 mm
V01 Connection V01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RT50 12 150 V01 R01 A

ROSY

TANDEM HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,991	1,208	1,425	1,642	1,860	2,294	2,728	3,163	3,381
Water content [lt]	0,401	0,473	0,545	0,618	0,690	0,835	0,980	1,125	1,197
Element surface [m²]	0,109	0,133	0,157	0,181	0,205	0,253	0,301	0,349	0,373
Pipe Centres I [mm] (H1 only)	**342**	**442**	**542**	**642**	**742**	**942**	**1142**	**1342**	**1442**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2200	2300	2500
Dry Weight per element [kg]	3,597	3,815	4,032	4,249	4,466	4,900	5,118	5,552
Water content [lt]	1,269	1,341	1,414	1,487	1,559	1,704	1,776	1,921
Element surface [m²]	0,397	0,421	0,445	0,469	0,493	0,541	0,565	0,613
Pipe Centres I [mm] (H1 only)	**1542**	**1642**	**1742**	**1842**	**1942**	**2142**	**2242**	**2442**

AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
- Ø 38 mm collectors in painted mild steel.
- 50x10 mm double row of rectangular horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

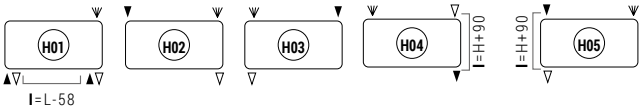
CERTIFICATES

EN 442-1 RADIATORS AND CONVECTORS

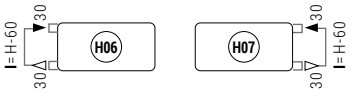
VDI 6036 COMPLIANT WITH

NF HOT WATER HEATING RADIATORS, CONVECTORS AND RADIANT MOUNTED CEILING PANELS - NF 047

STANDARD CONNECTIONS



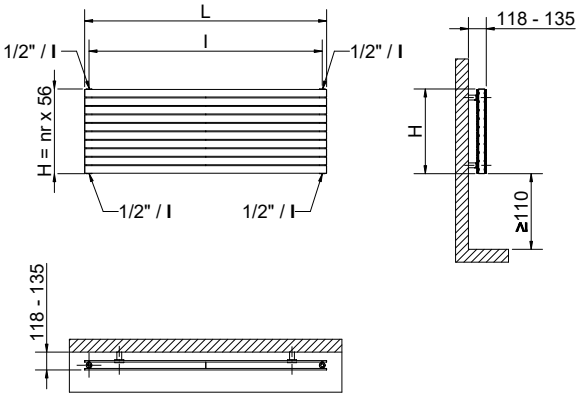
SPECIAL CONNECTIONS



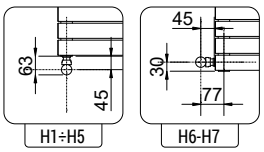
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE ROSY TANDEM HORIZONTAL RADIATOR

Radiator model Es.:Rosy tANDEM horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1500 mm	Connection code Example: connection H01	Color code Es: R01 -White	Constant value
RT50	12	150	H01	R01	A

Example of article code creation

RT50 ROSY TANDEM Horizontal
12 12 Elements (see table below)
150 Width 1500 mm (see table below)
H01 Connection H01 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RT50 12 150 H01 R01 A

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	n
224	4	196	245	294	343	392	490	588	686	735	258	1,2547
280	5	240	300	359	419	479	599	719	839	899	316	1,2520
336	6	282	353	423	494	564	705	846	987	1058	372	1,2492
392	7	323	404	485	566	646	808	970	1131	1212	427	1,2465
448	8	363	454	545	636	726	908	1090	1271	1362	481	1,2438
504	9	402	503	603	704	804	1005	1206	1407	1508	533	1,2410
560	10	440	550	659	769	879	1099	1319	1539	1649	584	1,2383
616	11	476	596	715	834	953	1191	1429	1667	1787	634	1,2355
672	12	512	640	768	896	1024	1280	1536	1792	1920	682	1,2328
728	13	547	684	820	957	1094	1367	1640	1914	2051	729	1,2301
784	14	580	726	871	1016	1161	1451	1741	2031	2177	775	1,2273
840	15	613	767	920	1073	1226	1533	1840	2146	2300	820	1,2246
896	16	645	807	968	1129	1290	1613	1936	2258	2420	864	1,2218
952	17	676	846	1015	1184	1353	1691	2029	2367	2537	907	1,2191
1008	18	707	884	1060	1237	1414	1767	2120	2474	2651	949	1,2164

All intermediate sizes for heights from 4 a 18 elements and widths from 500 a 2500 mm

Width L [mm]		1600	1700	1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	n
224	4	784	833	882	931	980	1078	1127	1225	258	1,2547
280	5	958	1018	1078	1138	1198	1318	1378	1498	316	1,2520
336	6	1128	1199	1269	1340	1410	1551	1622	1763	372	1,2492
392	7	1293	1374	1454	1535	1616	1778	1858	2020	427	1,2465
448	8	1453	1544	1634	1725	1816	1998	2088	2270	481	1,2438
504	9	1608	1709	1809	1910	2010	2211	2312	2513	533	1,2410
560	10	1758	1868	1978	2088	2198	2418	2528	2748	584	1,2383
616	11	1906	2025	2144	2263	2382	2620	2739	2978	634	1,2355
672	12	2048	2176	2304	2432	2560	2816	2944	3200	682	1,2328
728	13	2187	2324	2461	2597	2734	3007	3144	3418	729	1,2301
784	14	2322	2467	2612	2757	2902	3192	3337	3628	775	1,2273
840	15	2453	2606	2759	2913	3066	3373	3526	3833	820	1,2246
896	16	2581	2742	2903	3065	3226	3549	3710	4033	864	1,2218
952	17	2706	2875	3044	3213	3382	3720	3889	4228	907	1,2191
1008	18	2827	3004	3181	3357	3534	3887	4064	4418	949	1,2164

UPPER COVER CASE



AVAILABLE ON REQUEST

Width L [mm]	Art. nr. R01 White
400	5103000000096
500	5103000000097
600	5103000000098
700	5103000000099
800	5103000000100
1000	5103000000101
1200	5103000000102
1400	5103000000103
1500	5103000000104
1600	5103000000105
1700	5103000000106
1800	5103000000107
1900	5103000000110
2000	5103000000111
2200	5103000000112
2300	5103000000113
2500	5103000000114

The art. nr. in the table refer to the WHITE R01 carter

ROSY

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 392 mm							
	400	1,2465	6,9	323	245	171	RT50 07 040 H __ __ A
	500	1,2465	8,5	404	306	214	RT50 07 050 H __ __ A
	600	1,2465	10,0	485	367	257	RT50 07 060 H __ __ A
	700	1,2465	11,5	566	429	299	RT50 07 070 H __ __ A
	800	1,2465	13,0	646	489	342	RT50 07 080 H __ __ A
	1000	1,2465	16,1	808	612	427	RT50 07 100 H __ __ A
	1200	1,2465	19,1	970	734	513	RT50 07 120 H __ __ A
7	1400	1,2465	22,1	1131	856	598	RT50 07 140 H __ __ A
	1600	1,2465	25,2	1293	979	684	RT50 07 160 H __ __ A
	1800	1,2465	28,2	1454	1101	769	RT50 07 180 H __ __ A
	1900	1,2465	29,7	1535	1162	812	RT50 07 190 H __ __ A
	2000	1,2465	31,3	1616	1224	855	RT50 07 200 H __ __ A
	2200	1,2465	34,3	1778	1346	941	RT50 07 220 H __ __ A
	2300	1,2465	35,8	1858	1407	983	RT50 07 230 H __ __ A
	2500	1,2465	38,9	2020	1530	1069	RT50 07 250 H __ __ A
H 504 mm							
	400	1,241	8,9	402	305	213	RT50 09 040 H __ __ A
	500	1,241	10,9	503	381	267	RT50 09 050 H __ __ A
	600	1,241	12,8	603	457	320	RT50 09 060 H __ __ A
	700	1,241	14,8	704	534	373	RT50 09 070 H __ __ A
	800	1,241	16,7	804	610	427	RT50 09 080 H __ __ A
	1000	1,241	20,6	1005	762	533	RT50 09 100 H __ __ A
	1200	1,241	24,6	1206	914	640	RT50 09 120 H __ __ A
9	1400	1,241	28,5	1407	1067	746	RT50 09 140 H __ __ A
	1600	1,241	32,4	1608	1219	853	RT50 09 160 H __ __ A
	1800	1,241	36,3	1978	1500	1049	RT50 09 180 H __ __ A
	1900	1,241	38,2	1910	1448	1013	RT50 09 190 H __ __ A
	2000	1,241	40,2	2010	1524	1066	RT50 09 200 H __ __ A
	2200	1,241	44,1	2211	1676	1173	RT50 09 220 H __ __ A
	2300	1,241	46,1	2312	1753	1227	RT50 09 230 H __ __ A
	2500	1,241	50,0	2513	1905	1333	RT50 09 250 H __ __ A
H 560 mm							
	400	1,2383	9,9	440	334	234	RT50 10 040 H __ __ A
	500	1,2383	12,1	550	417	292	RT50 10 050 H __ __ A
	600	1,2383	14,3	659	500	350	RT50 10 060 H __ __ A
	700	1,2383	16,4	769	583	409	RT50 10 070 H __ __ A
	800	1,2383	18,6	879	667	467	RT50 10 080 H __ __ A
	1000	1,2383	22,9	1099	834	584	RT50 10 100 H __ __ A
	1200	1,2383	27,3	1319	1001	701	RT50 10 120 H __ __ A
10	1400	1,2383	31,6	1539	1167	818	RT50 10 140 H __ __ A
	1600	1,2383	36,0	1758	1334	934	RT50 10 160 H __ __ A
	1800	1,2383	40,3	1978	1500	1051	RT50 10 180 H __ __ A
	1900	1,2383	42,5	2088	1584	1109	RT50 10 190 H __ __ A
	2000	1,2383	44,7	2198	1667	1168	RT50 10 200 H __ __ A
	2200	1,2383	49,0	2418	1834	1285	RT50 10 220 H __ __ A
	2300	1,2383	51,2	2528	1918	1343	RT50 10 230 H __ __ A
	2500	1,2383	55,5	2748	2085	1460	RT50 10 250 H __ __ A

ROSY

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 616 mm							
11	400	1,2355	10,9	476	361	253	RT50 11 040 H __ __ A
	500	1,2355	13,3	596	452	317	RT50 11 050 H __ __ A
	600	1,2355	15,7	715	543	380	RT50 11 060 H __ __ A
	700	1,2355	18,1	834	633	444	RT50 11 070 H __ __ A
	800	1,2355	20,5	953	723	507	RT50 11 080 H __ __ A
	1000	1,2355	25,2	1191	904	634	RT50 11 100 H __ __ A
	1200	1,2355	30,0	1429	1085	760	RT50 11 120 H __ __ A
	1400	1,2355	34,8	1667	1265	887	RT50 11 140 H __ __ A
	1600	1,2355	39,6	1906	1447	1014	RT50 11 160 H __ __ A
	1800	1,2355	44,4	2144	1627	1141	RT50 11 180 H __ __ A
	1900	1,2355	46,7	2263	1718	1204	RT50 11 190 H __ __ A
	2000	1,2355	49,1	2382	1808	1267	RT50 11 200 H __ __ A
	2200	1,2355	53,9	2620	1989	1394	RT50 11 220 H __ __ A
	2300	1,2355	56,3	2739	2079	1457	RT50 11 230 H __ __ A
	2500	1,2355	61,1	2978	2260	1584	RT50 11 250 H __ __ A
H 672 mm							
12	400	1,2328	11,9	512	389	273	RT50 12 040 H __ __ A
	500	1,2328	14,5	640	486	341	RT50 12 050 H __ __ A
	600	1,2328	17,1	768	583	409	RT50 12 060 H __ __ A
	700	1,2328	19,7	896	681	477	RT50 12 070 H __ __ A
	800	1,2328	22,3	1024	778	546	RT50 12 080 H __ __ A
	1000	1,2328	27,5	1280	972	682	RT50 12 100 H __ __ A
	1200	1,2328	32,7	1536	1167	818	RT50 12 120 H __ __ A
	1400	1,2328	38,0	1792	1361	955	RT50 12 140 H __ __ A
	1600	1,2328	43,2	2048	1555	1091	RT50 12 160 H __ __ A
	1800	1,2328	48,4	2304	1750	1227	RT50 12 180 H __ __ A
	1900	1,2328	51,0	2432	1847	1296	RT50 12 190 H __ __ A
	2000	1,2328	53,6	2560	1944	1364	RT50 12 200 H __ __ A
	2200	1,2328	58,8	2816	2139	1500	RT50 12 220 H __ __ A
	2300	1,2328	61,4	2944	2236	1568	RT50 12 230 H __ __ A
	2500	1,2328	66,6	3200	2430	1705	RT50 12 250 H __ __ A
H 784 mm							
14	400	1,2273	13,9	580	441	310	RT50 14 040 H __ __ A
	500	1,2273	16,9	726	552	388	RT50 14 050 H __ __ A
	600	1,2273	20,0	871	662	465	RT50 14 060 H __ __ A
	700	1,2273	23,0	1016	773	543	RT50 14 070 H __ __ A
	800	1,2273	26,0	1161	883	620	RT50 14 080 H __ __ A
	1000	1,2273	32,1	1451	1103	775	RT50 14 100 H __ __ A
	1200	1,2273	38,2	1741	1324	930	RT50 14 120 H __ __ A
	1400	1,2273	44,3	2031	1544	1085	RT50 14 140 H __ __ A
	1600	1,2273	50,4	2322	1766	1240	RT50 14 160 H __ __ A
	1800	1,2273	56,4	2612	1986	1395	RT50 14 180 H __ __ A
	1900	1,2273	59,5	2757	2097	1473	RT50 14 190 H __ __ A
	2000	1,2273	62,5	2902	2207	1550	RT50 14 200 H __ __ A
	2200	1,2273	68,6	3192	2427	1705	RT50 14 220 H __ __ A
	2300	1,2273	71,7	3337	2538	1783	RT50 14 230 H __ __ A
	2500	1,2273	77,7	3628	2759	1938	RT50 14 250 H __ __ A

HOW TO ORDER THE ROSY TANDEM HORIZONTAL RADIATOR

Radiator model Es.:ROSY TANDEM horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1500 mm	Connection code Example: connection H01	Color code Es: R01 - White	Constant value
RT50	12	150	H01	R01	A

Example of article code creation

RT50 ROSY TANDEM HORIZONTAL
12 12 Elements
150 Width 1500 mm
H01 Connection H01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
RT50 12 150 H01 R01 A

ROSY MAX

WARRANTY **5 YEARS**



Height H [mm]	540	640	840	940	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	83	96,2	121,6	133,9	232,2	253,5
Therm. output per el. Δt = 30 °C [Watt]	42,9	49,6	62,4	68,6	118,3	129,4
Dry Weight per element [kg]	1,882	2,207	2,859	3,185	5,987	6,639
Water content [lt]	0,698	0,806	1,023	1,132	2,065	2,282
Element surface [m²]	0,208	0,244	0,316	0,352	0,661	0,733
Exponent **n**	1,2930	1,2972	1,3057	1,3100	1,3201	1,3160
Pipe Centres I [mm] (V3-V4 only)	**500**	**600**	**800**	**900**	**1760**	**1960**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

MATERIAL:
• Ø 38 mm horizontal collectors in painted mild steel.
• 50x10 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

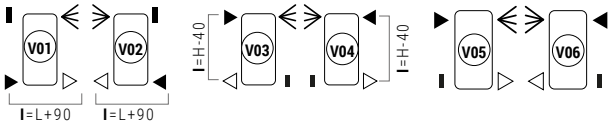
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

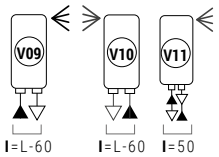
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS

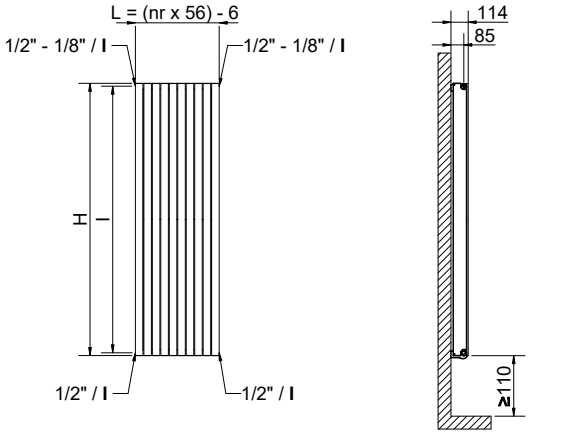


SPECIAL CONNECTIONS

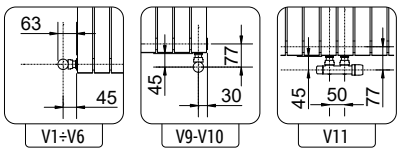


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND
- In
- Out
- Airvent
- H Height
- I Pipe Centres
- L Width
- Connection
- Welded cap



Quotes for Kristal valves



AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE ROSY MAX VERTICAL RADIATOR

Radiator model E.g.: ROSY MAX	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RX50	12	180	V01	R01	A

Example of article code creation

RX50 ROSY MAX
12 12 Elements (see table below)
180 Height 1800 mm (see table below)
V01 Connection V01 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:

RX50 12 180 V01 R01 A

Height H [mm]		540	640	840	940	1800	2000
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
274	5	415	481	608	670	1161	1268
330	6	498	577	730	803	1393	1521
386	7	581	673	851	937	1625	1775
442	8	664	770	973	1071	1858	2028
498	9	747	866	1094	1205	2090	2282
554	10	830	962	1216	1339	2322	2535
610	11	913	1058	1338	1473	2554	2789
666	12	996	1154	1459	1607	2786	3042
722	13	1079	1251	1581	1741	3019	3296
778	14	1162	1347	1702	1875	3251	3549
834	15	1245	1443	1824	2009		
890	16	1328	1539	1946	2142		
946	17	1411	1635	2067	2276		
1002	18	1494	1732	2189	2410		
1058	19	1577	1828	2310	2544		
1114	20	1660	1924	2432	2678		
1170	21	1743	2020	2554	2812		
1226	22	1826	2116	2675	2946		
1282	23	1909	2213	2797	3080		
1338	24	1992	2309	2918	3214		
1394	25	2075	2405				
1450	26	2158	2501				
1506	27	2241	2597				
1562	28	2324	2694				
1618	29	2407	2790				
1674	30	2490	2886				
1730	31	2573	2982				
1786	32	2656	3078				



Replacement heights are marked in grey color.

LATERAL COVER CASE



AVAILABLE ON REQUEST

Height H [mm]	Art. nr. R01 White
540	5103000000121
640	5103000000122
840	5103000000123
940	5103000000124

The art. nr. in the tables refer to the WHITE R01 carter

Heights 1800 and 2000 includes lateral carter

ROSY MAX

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt **50°C** [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 540 mm						
5	274	9,4	415	311	214	RX50 05 054 V __ __ A
6	330	11,3	498	373	257	RX50 06 054 V __ __ A
7	386	13,2	581	435	300	RX50 07 054 V __ __ A
8	442	15,1	664	498	343	RX50 08 054 V __ __ A
9	498	16,9	747	560	386	RX50 09 054 V __ __ A
10	554	18,8	830	622	429	RX50 10 054 V __ __ A
11	610	20,7	913	684	472	RX50 11 054 V __ __ A
12	666	22,6	996	746	515	RX50 12 054 V __ __ A
13	722	24,5	1079	809	557	RX50 13 054 V __ __ A
14	778	26,3	1162	871	600	RX50 14 054 V __ __ A
15	834	28,2	1245	933	643	RX50 15 054 V __ __ A
16	890	30,1	1328	995	686	RX50 16 054 V __ __ A
17	946	32,0	1411	1057	729	RX50 17 054 V __ __ A
18	1002	33,9	1494	1120	772	RX50 18 054 V __ __ A
H 640 mm						
5	274	11,0	481	360	248	RX50 05 064 V __ __ A
6	330	13,2	577	432	298	RX50 06 064 V __ __ A
7	386	15,4	673	504	347	RX50 07 064 V __ __ A
8	442	17,7	770	576	397	RX50 08 064 V __ __ A
9	498	19,9	866	648	446	RX50 09 064 V __ __ A
10	554	22,1	962	720	496	RX50 10 064 V __ __ A
11	610	24,3	1058	792	545	RX50 11 064 V __ __ A
12	666	26,5	1154	864	595	RX50 12 064 V __ __ A
13	722	28,7	1251	936	645	RX50 13 064 V __ __ A
14	778	30,9	1347	1008	694	RX50 14 064 V __ __ A
15	834	33,1	1443	1080	744	RX50 15 064 V __ __ A
16	890	35,3	1539	1152	793	RX50 16 064 V __ __ A
17	946	37,5	1635	1224	843	RX50 17 064 V __ __ A
18	1002	39,7	1732	1296	893	RX50 18 064 V __ __ A
H 840 mm						
5	274	12,9	608	454	312	RX50 05 084 V __ __ A
6	330	15,5	730	545	374	RX50 06 084 V __ __ A
7	386	18,1	851	636	437	RX50 07 084 V __ __ A
8	442	20,7	973	727	499	RX50 08 084 V __ __ A
9	498	23,3	1094	818	562	RX50 09 084 V __ __ A
10	554	25,9	1216	909	624	RX50 10 084 V __ __ A
11	610	28,5	1338	1000	687	RX50 11 084 V __ __ A
12	666	31,1	1459	1090	749	RX50 12 084 V __ __ A
13	722	33,7	1581	1181	811	RX50 13 084 V __ __ A
14	778	36,2	1702	1272	874	RX50 14 084 V __ __ A
15	834	38,8	1824	1363	936	RX50 15 084 V __ __ A
16	890	41,4	1946	1454	999	RX50 16 084 V __ __ A
17	946	44,0	2067	1545	1061	RX50 17 084 V __ __ A
18	1002	46,6	2189	1636	1123	RX50 18 084 V __ __ A

ROSY MAX

El.	Width	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 940 mm						
5	274	15,9	670	500	343	RX50 05 094 V __ __ A
6	330	19,1	803	600	411	RX50 06 094 V __ __ A
7	386	22,3	937	700	480	RX50 07 094 V __ __ A
8	442	25,5	1071	800	549	RX50 08 094 V __ __ A
9	498	28,7	1205	900	617	RX50 09 094 V __ __ A
10	554	31,9	1339	1000	686	RX50 10 094 V __ __ A
11	610	35,0	1473	1100	754	RX50 11 094 V __ __ A
12	666	38,2	1607	1200	823	RX50 12 094 V __ __ A
13	722	41,4	1741	1299	891	RX50 13 094 V __ __ A
14	778	44,6	1875	1399	960	RX50 14 094 V __ __ A
15	834	47,8	2009	1499	1029	RX50 15 094 V __ __ A
16	890	51,0	2142	1599	1097	RX50 16 094 V __ __ A
17	946	54,1	2276	1699	1166	RX50 17 094 V __ __ A
18	1002	57,3	2410	1799	1234	RX50 18 094 V __ __ A
H 1800 mm						
5	274	29,9	1161	865	592	RX50 05 180 V __ __ A
6	330	35,9	1393	1038	710	RX50 06 180 V __ __ A
7	386	41,9	1625	1211	828	RX50 07 180 V __ __ A
8	442	47,9	1858	1384	946	RX50 08 180 V __ __ A
9	498	53,9	2090	1557	1065	RX50 09 180 V __ __ A
10	554	59,9	2322	1730	1183	RX50 10 180 V __ __ A
11	610	65,9	2554	1902	1301	RX50 11 180 V __ __ A
12	666	71,8	2786	2075	1420	RX50 12 180 V __ __ A
13	722	77,8	3019	2248	1538	RX50 13 180 V __ __ A
14	778	83,8	3251	2421	1656	RX50 14 180 V __ __ A
H 2000 mm						
5	274	33,2	1268	945	647	RX50 05 200 V __ __ A
6	330	39,8	1521	1134	777	RX50 06 200 V __ __ A
7	386	46,5	1775	1323	906	RX50 07 200 V __ __ A
8	442	53,1	2028	1512	1035	RX50 08 200 V __ __ A
9	498	59,8	2282	1701	1165	RX50 09 200 V __ __ A
10	554	66,4	2535	1890	1294	RX50 10 200 V __ __ A
11	610	73,0	2789	2079	1424	RX50 11 200 V __ __ A
12	666	79,7	3042	2268	1553	RX50 12 200 V __ __ A
13	722	86,3	3296	2457	1683	RX50 13 200 V __ __ A
14	778	92,9	3549	2646	1812	RX50 14 200 V __ __ A

HOW TO ORDER THE ROSY MAX RADIATOR

Radiator model E.g.: Rosy Max	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
RX50	12	180	V01	R01	A

Example of article code creation

RX50 ROSY MAX
12 12 Elements
180 Height 1800 mm
V01 Connection V01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

RX50 12 180 V01 R01 A

ROSY PICTURE

WARRANTY **5 YEARS**


Artwork: Il bacio (P08)

Customise

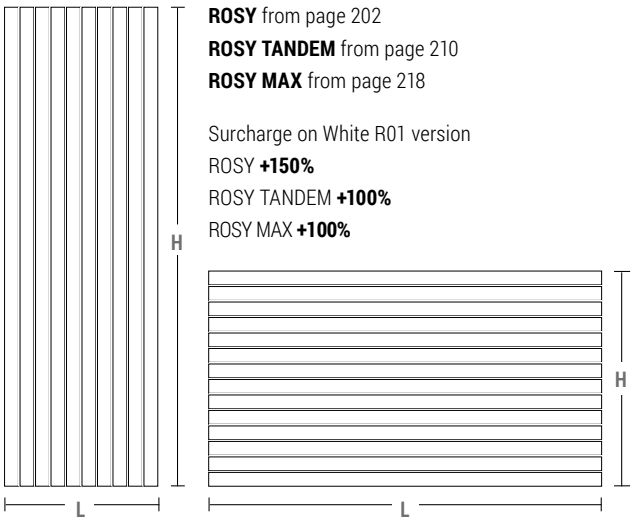
- **Rosy**
- **Rosy Tandem**
- **Rosy Max**

radiators with your favourite pictures, forever imprinted on the surface.

MAXIMUM AVAILABLE DIMENSIONS

One side of the radiator must not exceed **896 mm**, while the other can reach up to **2000 mm**.

FOR TECHNICAL FEATURES AND CONNECTIONS SEE:



ROSY from page 202
ROSY TANDEM from page 210
ROSY MAX from page 218

Surcharge on White R01 version
ROSY **+150%**
ROSY TANDEM **+100%**
ROSY MAX **+100%**

HOW TO ORDER **CUSTOM IMAGES**

- Choose ROSY / ROSY TANDEM / ROSY MAX model
- Select the vertical or horizontal version, the desired radiator size (H and L) and the connection type.
- Send your high resolution image (300 dpi - jpg, tiff, eps file), or your real picture. (Material used for rendering will not be given back).
- Send the related acquittance to Cordivari dealer (All images sent by customer must respect all relevant rules of copyright).
- Our graphic team will resize the desired image on the selected radiator
- Approve the pdf preview and order.



HOW TO ORDER **CORDIVARI STANDARD IMAGES**

- Choose ROSY / ROSY TANDEM / ROSY MAX model
- Select the vertical or horizontal version, the desired radiator size (H and L) and the connection type.
- Choose a picture from our image gallery.
- Our graphic team will resize the desired image on the selected radiator
- Approve the pdf preview and order.

ROSY PICTURE

IMAGE GALLERY



Rosy Picture® radiators are made in painted mild steel using a unique and everlasting painting process.
The Rosy Picture® painting process has been awarded by ANVER (Italian Painters Association), during "Polveri 2001" Exhibition (Verona, Italy), where it stood out for its innovation, high quality finishing and eco-friendly approach.

PICTURES

by **Piero e Italo Del Governatore** - ITALCOLOR



PESCATORE (P09)



MOLO (P10)



SPIAGGIA (P11)

IMAGES



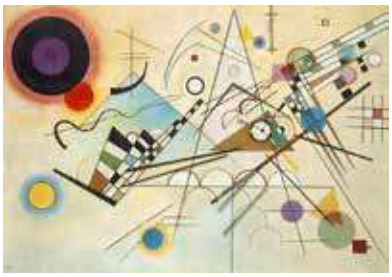
IL BACIO (P08)



I GIRASOLI (P31)



DUE DONNE TAHITIANE (P32)



COMPOSIZIONE VIII (P33)



RIVER (P18)



PARIS (P07)



PANORAMA (P05)



LAGO (P06)

GRAPHIC SERIES

artwork by **Mariano Moroni**



ABSTRACT 03 (P14)



ABSTRACT 04 (P15)



ABSTRACT 05 (P19)



ABSTRACT 06 (P20)



IRIS 03 (P27)

ROSY MIRROR

WARRANTY **5 YEARS**



MATERIAL:
- Ø 38 mm horizontal collectors in painted mild steel.
- 50x10 mm vertical heating elements in painted mild steel.
- Mirror

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
The radiator is delivered in a wooden crate.
User notice included.

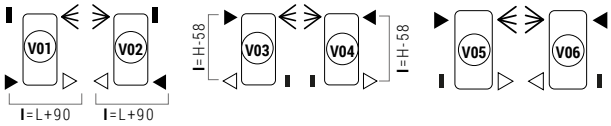
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



FEATURES

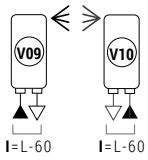
P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

►	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap

HOW TO ORDER THE ROSY MIRROR RADIATOR

Radiator model E.g.: ROSY MIRROR lateral mirror on the left	Nr of Elements E.g.: 6 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
MS50	06	180	V01	R01	A

Example of article code creation

MS50 ROSY MIRROR lateral mirror on the left
06 6 Elements (see table on the side)
180 Height 1800 mm (see table on the side)
V01 Connection V01 (see above)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
MS50 06 180 V01 R01 A

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

KIT 2 WOODEN SHELVES - 162 x 100 mm



Finishing
- White
- Bay Oak
- Wengé

for ROSY MIRROR central version

KIT 2 WOODEN SHELVES - 218 x 100 mm

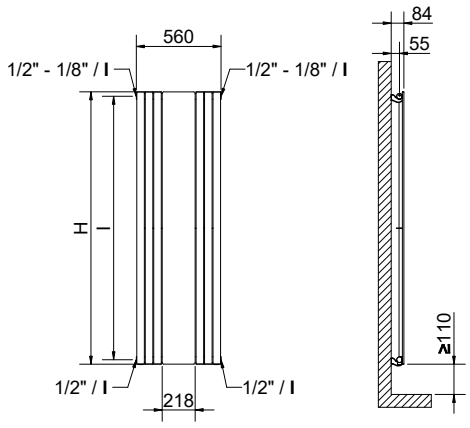


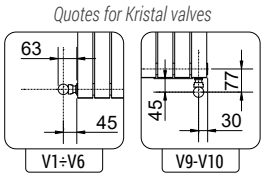
Finishing
- White
- Bay Oak
- Wengé

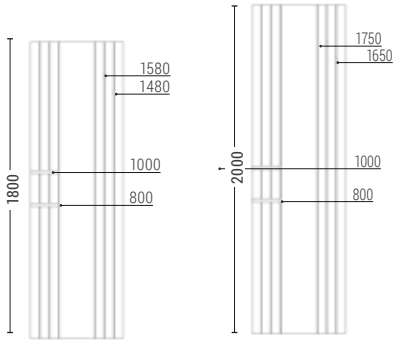
for ROSY MIRROR lateral version

Complete list, codes and details of the ACCESSORIES from page 332.

VERSION WITH CENTRAL MIRROR - **MC50**

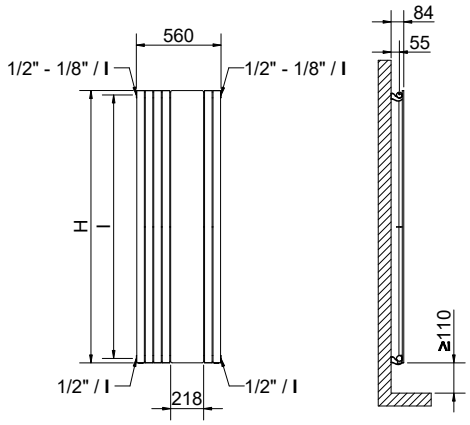


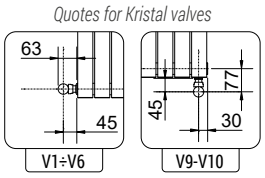


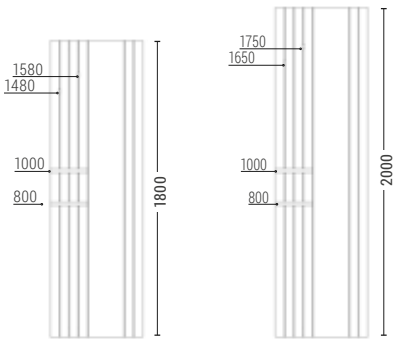


Positioning decorating accessories shelves & coat racks

VERSION WITH MIRROR ON THE RIGHT SIDE - **MD50**

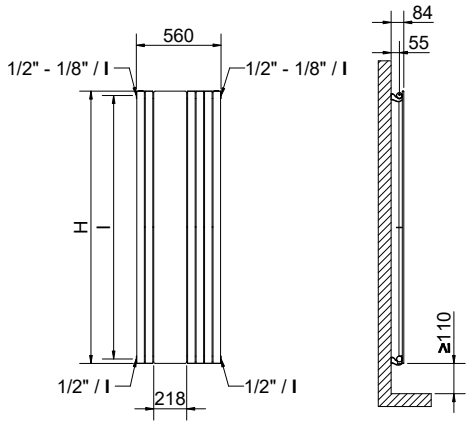


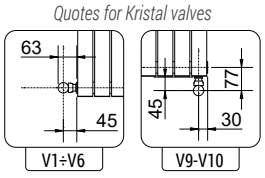


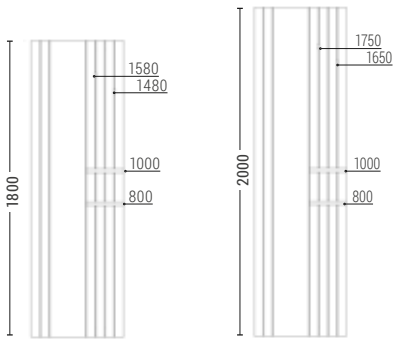


Positioning decorating accessories shelves & coat racks

VERSION WITH MIRROR ON THE RIGHT SIDE - **MS50**







Positioning decorating accessories shelves & coat racks

ROSY MIRROR

Height	Width	Pipe Centres	Mirror			Dry Weight	Surface	Water content	Thermal output Δt=50°C	Δt=30°C	Exponent
[mm]	L [mm]	I [mm]	CENTRAL	LATERAL ON THE RIGHT	LATERAL ON THE LEFT	[Kg]	[m²]	[lt]	[Watt]	[Watt]	n
1800	560	1742	MC50	MD50	MS50	22,4	1,43	5	684	355	1,2840
2000	560	1942				24,6	1,57	5,5	756	391	1,2826

The codes shown in the table refer to the R01 White color models

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

KEIRA

VERTICAL

WARRANTY **5 YEARS**



MATERIAL:
• Ø 38 mm horizontal collectors in painted mild steel.
• 10 x 50 mm rectangular vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Therm. output per el. Δt = 50 °C [Watt]	31,1	35,8	40,5	45,2	49,9	72,3	82,5	92,9	98,3
Therm. output per el. Δt = 30 °C [Watt]	16,6	19,1	21,5	24,0	26,3	37,8	42,9	48,4	51,3
Dry Weight per element [kg]	0,652	0,761	0,869	0,978	1,086	1,586	1,803	2,020	2,129
Water content [lt]	0,255	0,291	0,327	0,364	0,400	0,566	0,639	0,711	0,747
Element surface [m²]	0,072	0,084	0,096	0,108	0,120	0,175	0,199	0,223	0,235
Exponent **n**	1,2273	1,232	1,2367	1,2414	1,2557	1,2700	1,2802	1,2757	1,2735
Pipe Centres I [mm] (V3-V4 only)	**500**	**600**	**700**	**800**	**900**	**1362**	**1562**	**1762**	**1862**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	2000	2200
Therm. output per el. Δt = 50 °C [Watt]	103,8	115,1
Therm. output per el. Δt = 30 °C [Watt]	54,2	59,4
Dry Weight per element [kg]	2,238	2,455
Water content [lt]	0,783	0,856
Element surface [m²]	0,247	0,271
Exponent **n**	1,2712	1,2957
Pipe Centres I [mm] (V3-V4 only)	**1962**	**2162**

AVAILABLE ACCESSORIES

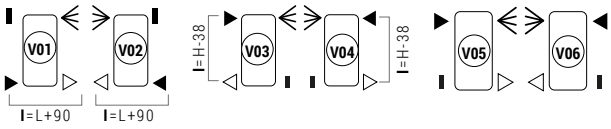


Kristal valve Total Color, angled with thermostatic option, colored

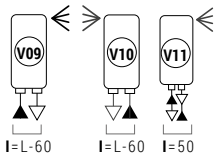
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

STANDARD CONNECTIONS



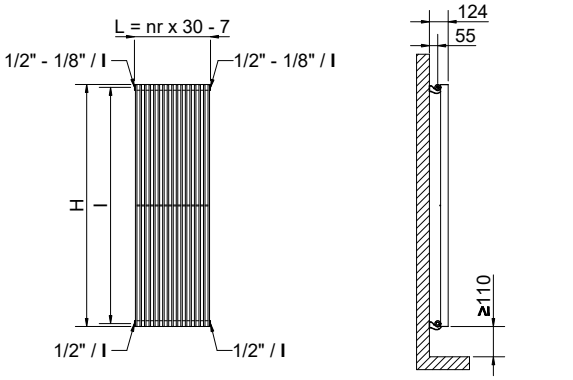
SPECIAL CONNECTIONS



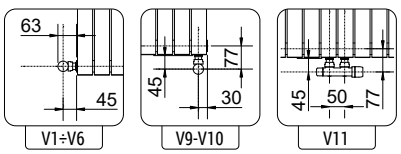
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

►	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE KEIRA VERTICAL RADIATOR

Radiator model E.g.: KEIRA VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KE10	24	140	V02	T01	A

Example of article code creation

KE10 KEIRA VERTICAL
24 24 Elements (see table below)
140 Height 1400 mm (see table below)
V02 Connection V02 (see next page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:
KE10 24 140 V02 T01 A

Height H [mm]		538	638	738	838	938	1400	1600	1800	1900
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
263	9	280	322	365	407	449	651	743	836	885
293	10	311	358	405	452	499	723	825	929	983
323	11	342	394	446	497	549	795	908	1022	1081
353	12	373	430	486	542	599	868	990	1115	1180
383	13	404	465	527	588	649	940	1073	1208	1278
413	14	435	501	567	633	699	1012	1155	1301	1376
443	15	467	537	608	678	749	1085	1238	1394	1475
473	16	498	573	648	723	799	1157	1320	1486	1573
503	17	529	609	689	768	849	1229	1403	1579	1671
533	18	560	644	729	814	898	1301	1485	1672	1769
563	19	591	680	770	859	948	1374	1568	1765	1868
593	20	622	716	810	904	998	1446	1650	1858	
623	21	653	752	851	949	1048	1518	1733		
653	22	684	788	891	994	1098	1591			
683	23	715	823	932	1040	1148				
713	24	746	859	972	1085	1198				
743	25	778	895	1013	1130	1248				
773	26	809	931	1053	1175	1298				
803	27	840	967	1094	1220	1348				
833	28	871	1002	1134	1266	1398				
863	29	902	1038	1175	1311	1447				
893	30	933	1074	1215	1356	1497				
923	31	964	1110	1256	1401	1547				
953	32	995	1146	1296	1446	1597				
983	33	1026	1181	1337	1492	1647				
1013	34	1057	1217	1377	1537	1697				
1043	35	1089	1253	1418	1582	1747				
1073	36	1120	1289	1458	1627	1797				
1103	37	1151	1325	1499	1672	1847				
1133	38	1182	1360	1539	1718	1897				
1163	39	1213	1396	1580	1763	1947				
1193	40	1244	1432	1620	1808	1997				
1223	41	1275	1468	1661	1853	2046				
1253	42	1306	1504	1701	1898					
1283	43	1337	1539	1742						
1313	44	1368	1575	1782						
1373	46	1431	1647							
1433	48	1493								

All intermediate sizes are available for widths from 9 to 48 elements and heights from 538 to 2200 mm

PIPE CENTRES FOR REPLACEMENT

Replacement heights are marked in grey color.

Height H [mm]		2000	2200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C
263	9	934	1036
293	10	1038	1151
323	11	1142	1266
353	12	1246	1381
383	13	1349	1496
413	14	1453	1611
443	15	1557	1727
473	16	1661	1842
503	17	1765	
533	18	1868	

KEIRA

VERTICAL

H 538 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	293	6,5	311	236	166	KE10 10 054 V _ _ _ _ A
12	353	7,8	373	284	199	KE10 12 054 V _ _ _ _ A
14	413	9,1	435	331	233	KE10 14 054 V _ _ _ _ A
16	473	10,4	498	378	266	KE10 16 054 V _ _ _ _ A
18	533	11,7	560	426	299	KE10 18 054 V _ _ _ _ A
20	593	13,0	622	473	332	KE10 20 054 V _ _ _ _ A
22	653	14,3	684	520	366	KE10 22 054 V _ _ _ _ A
24	713	15,6	746	568	399	KE10 24 054 V _ _ _ _ A
26	773	17,0	809	615	432	KE10 26 054 V _ _ _ _ A
28	833	18,3	871	662	465	KE10 28 054 V _ _ _ _ A
30	893	19,6	933	709	498	KE10 30 054 V _ _ _ _ A
32	953	20,9	995	757	532	KE10 32 054 V _ _ _ _ A
34	1013	22,2	1057	804	565	KE10 34 054 V _ _ _ _ A
36	1073	23,5	1120	851	598	KE10 36 054 V _ _ _ _ A

H 638 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	293	7,6	358	272	191	KE10 10 064 V _ _ _ _ A
12	353	9,1	430	326	229	KE10 12 064 V _ _ _ _ A
14	413	10,7	501	381	267	KE10 14 064 V _ _ _ _ A
16	473	12,2	573	435	305	KE10 16 064 V _ _ _ _ A
18	533	13,7	644	490	343	KE10 18 064 V _ _ _ _ A
20	593	15,2	716	544	382	KE10 20 064 V _ _ _ _ A
22	653	16,7	788	598	420	KE10 22 064 V _ _ _ _ A
24	713	18,3	859	653	458	KE10 24 064 V _ _ _ _ A
26	773	19,8	931	707	496	KE10 26 064 V _ _ _ _ A
28	833	21,3	1002	761	534	KE10 28 064 V _ _ _ _ A
30	893	22,8	1074	816	572	KE10 30 064 V _ _ _ _ A
32	953	24,4	1146	870	611	KE10 32 064 V _ _ _ _ A
34	1013	25,9	1217	925	649	KE10 34 064 V _ _ _ _ A
36	1073	27,4	1289	979	687	KE10 36 064 V _ _ _ _ A

H 738 mm

10	293	8,7	405	307	215	KE10 10 074 V _ _ _ _ A
12	353	10,4	486	369	258	KE10 12 074 V _ _ _ _ A
14	413	12,2	567	430	301	KE10 14 074 V _ _ _ _ A
16	473	13,9	648	492	345	KE10 16 074 V _ _ _ _ A
18	533	15,6	729	553	388	KE10 18 074 V _ _ _ _ A
20	593	17,4	810	615	431	KE10 20 074 V _ _ _ _ A
22	653	19,1	891	676	474	KE10 22 074 V _ _ _ _ A
24	713	20,9	972	738	517	KE10 24 074 V _ _ _ _ A
26	773	22,6	1053	799	560	KE10 26 074 V _ _ _ _ A
28	833	24,3	1134	861	603	KE10 28 074 V _ _ _ _ A
30	893	26,1	1215	922	646	KE10 30 074 V _ _ _ _ A
32	953	27,8	1296	983	689	KE10 32 074 V _ _ _ _ A

H 838 mm

10	293	9,8	452	343	240	KE10 10 084 V _ _ _ _ A
12	353	11,7	542	411	288	KE10 12 084 V _ _ _ _ A
14	413	13,7	633	480	336	KE10 14 084 V _ _ _ _ A
16	473	15,6	723	548	384	KE10 16 084 V _ _ _ _ A
18	533	17,6	814	617	432	KE10 18 084 V _ _ _ _ A
20	593	19,6	904	685	479	KE10 20 084 V _ _ _ _ A
22	653	21,5	994	754	527	KE10 22 084 V _ _ _ _ A
24	713	23,5	1085	822	575	KE10 24 084 V _ _ _ _ A
26	773	25,4	1175	891	623	KE10 26 084 V _ _ _ _ A
28	833	27,4	1266	959	671	KE10 28 084 V _ _ _ _ A
30	893	29,3	1356	1028	719	KE10 30 084 V _ _ _ _ A
32	953	31,3	1446	1096	767	KE10 32 084 V _ _ _ _ A

H 938 mm

10	293	10,9	499	377	263	KE10 10 094 V _ _ _ _ A
12	353	13,0	599	452	315	KE10 12 094 V _ _ _ _ A
14	413	15,2	699	528	368	KE10 14 094 V _ _ _ _ A
16	473	17,4	798	603	420	KE10 16 094 V _ _ _ _ A
18	533	19,5	898	679	473	KE10 18 094 V _ _ _ _ A
20	593	21,7	998	754	525	KE10 20 094 V _ _ _ _ A
22	653	23,9	1098	830	578	KE10 22 094 V _ _ _ _ A
24	713	26,1	1198	905	631	KE10 24 094 V _ _ _ _ A
26	773	28,2	1297	980	683	KE10 26 094 V _ _ _ _ A
28	833	30,4	1397	1056	736	KE10 28 094 V _ _ _ _ A
30	893	32,6	1497	1131	788	KE10 30 094 V _ _ _ _ A
32	953	34,8	1597	1207	841	KE10 32 094 V _ _ _ _ A

H 1400 mm

10	293	15,9	723	545	378	KE10 10 140 V _ _ _ _ A
11	323	17,4	795	599	416	KE10 11 140 V _ _ _ _ A
12	353	19,0	868	653	453	KE10 12 140 V _ _ _ _ A
13	383	20,6	940	708	491	KE10 13 140 V _ _ _ _ A
14	413	22,2	1012	762	529	KE10 14 140 V _ _ _ _ A
15	443	23,8	1085	817	567	KE10 15 140 V _ _ _ _ A
16	473	25,4	1157	871	605	KE10 16 140 V _ _ _ _ A
17	503	27,0	1229	926	642	KE10 17 140 V _ _ _ _ A
18	533	28,5	1301	980	680	KE10 18 140 V _ _ _ _ A
19	563	30,1	1374	1035	718	KE10 19 140 V _ _ _ _ A
20	593	31,7	1446	1089	756	KE10 20 140 V _ _ _ _ A
21	623	33,3	1518	1144	794	KE10 21 140 V _ _ _ _ A

KEIRA

VERTICAL

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
9	263	16,2	743	558	386	KE10 09 160 V _ _ _ _ A
10	293	18,0	825	620	429	KE10 10 160 V _ _ _ _ A
11	323	19,8	908	682	472	KE10 11 160 V _ _ _ _ A
12	353	21,6	990	744	515	KE10 12 160 V _ _ _ _ A
13	383	23,4	1073	806	558	KE10 13 160 V _ _ _ _ A
14	413	25,2	1155	868	601	KE10 14 160 V _ _ _ _ A
15	443	27,0	1238	930	643	KE10 15 160 V _ _ _ _ A
16	473	28,8	1320	992	686	KE10 16 160 V _ _ _ _ A
17	503	30,7	1403	1054	729	KE10 17 160 V _ _ _ _ A
18	533	32,5	1485	1116	772	KE10 18 160 V _ _ _ _ A
19	563	34,3	1568	1178	815	KE10 19 160 V _ _ _ _ A
20	593	36,1	1650	1240	858	KE10 20 160 V _ _ _ _ A
21	623	37,9	1733	1302	901	KE10 21 160 V _ _ _ _ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
9	263	18,2	836	629	436	KE10 09 180 V _ _ _ _ A
10	293	20,2	929	699	484	KE10 10 180 V _ _ _ _ A
11	323	22,2	1022	769	533	KE10 11 180 V _ _ _ _ A
12	353	24,2	1115	839	581	KE10 12 180 V _ _ _ _ A
13	383	26,3	1208	909	629	KE10 13 180 V _ _ _ _ A
14	413	28,3	1301	978	678	KE10 14 180 V _ _ _ _ A
15	443	30,3	1394	1048	726	KE10 15 180 V _ _ _ _ A
16	473	32,3	1486	1118	775	KE10 16 180 V _ _ _ _ A
17	503	34,3	1579	1188	823	KE10 17 180 V _ _ _ _ A
18	533	36,4	1672	1258	872	KE10 18 180 V _ _ _ _ A
19	563	38,4	1765	1328	920	KE10 19 180 V _ _ _ _ A
20	593	40,4	1858	1398	968	KE10 20 180 V _ _ _ _ A

H 1900 mm

9	263	19,2	885	666	462	KE10 09 190 V _ _ _ _ A
10	293	21,3	983	740	513	KE10 10 190 V _ _ _ _ A
11	323	23,4	1081	814	564	KE10 11 190 V _ _ _ _ A
12	353	25,5	1180	888	615	KE10 12 190 V _ _ _ _ A
13	383	27,7	1278	962	667	KE10 13 190 V _ _ _ _ A
14	413	29,8	1376	1036	718	KE10 14 190 V _ _ _ _ A
15	443	31,9	1475	1110	769	KE10 15 190 V _ _ _ _ A
16	473	34,1	1573	1184	821	KE10 16 190 V _ _ _ _ A
17	503	36,2	1671	1258	872	KE10 17 190 V _ _ _ _ A
18	533	38,3	1769	1332	923	KE10 18 190 V _ _ _ _ A
19	563	40,5	1868	1406	975	KE10 19 190 V _ _ _ _ A

H 2000 mm

9	263	20,1	934	703	488	KE10 09 200 V _ _ _ _ A
10	293	22,4	1038	782	542	KE10 10 200 V _ _ _ _ A
11	323	24,6	1142	860	596	KE10 11 200 V _ _ _ _ A
12	353	26,9	1246	938	651	KE10 12 200 V _ _ _ _ A
13	383	29,1	1349	1016	705	KE10 13 200 V _ _ _ _ A
14	413	31,3	1453	1094	759	KE10 14 200 V _ _ _ _ A
15	443	33,6	1557	1172	813	KE10 15 200 V _ _ _ _ A
16	473	35,8	1661	1251	868	KE10 16 200 V _ _ _ _ A
17	503	38,0	1765	1329	922	KE10 17 200 V _ _ _ _ A
18	533	40,3	1868	1407	976	KE10 18 200 V _ _ _ _ A

H 2200 mm

9	263	22,1	1036	776	534	KE10 09 220 V _ _ _ _ A
10	293	24,6	1151	862	594	KE10 10 220 V _ _ _ _ A
11	323	27,0	1266	948	653	KE10 11 220 V _ _ _ _ A
12	353	29,5	1381	1034	713	KE10 12 220 V _ _ _ _ A
13	383	31,9	1496	1121	772	KE10 13 220 V _ _ _ _ A
14	413	34,4	1611	1207	831	KE10 14 220 V _ _ _ _ A
15	443	36,8	1727	1293	891	KE10 15 220 V _ _ _ _ A
16	473	39,3	1842	1379	950	KE10 16 220 V _ _ _ _ A

HOW TO ORDER THE KEIRA VERTICAL RADIATOR

Radiator model E.g.: KEIRA VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KE10	24	140	V02	T01	A

Example of article code creation

KE10 KEIRA VERTICAL
24 24 Elements
140 Height 1400 mm
V02 Connection V02 (see product page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:
KE10 24 140 V02 T01 A

KEIRA

TANDEM VERTICAL

WARRANTY **5 YEARS**


Color: F22 Classic gold

MATERIAL:
- Ø 38 mm horizontal collectors in painted mild steel.
- 10 x 50 mm double row of rectangular vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Therm. output per el. Δt = 50 °C [Watt]	52,7	60,6	68,4	76,1	83,8	118,8	133,9	149,2	156,8
Therm. output per el. Δt = 30 °C [Watt]	27,5	31,6	35,7	39,7	43,4	61,0	68,3	76,1	80,1
Dry Weight per element [kg]	1,238	1,456	1,673	1,890	2,107	3,107	3,541	3,976	4,193
Water content [lt]	0,45	0,523	0,595	0,667	0,740	1,073	1,217	1,362	1,434
Element surface [m²]	0,137	0,161	0,185	0,209	0,233	0,343	0,391	0,439	0,463
Exponent **n**	1,2736	1,2732	1,2728	1,2724	1,2893	1,3063	1,3184	1,3168	1,316
Pipe Centres I [mm] (V3-V4 only)	**500**	**600**	**700**	**800**	**900**	**1362**	**1562**	**1762**	**1862**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	2000	2200
Therm. output per el. Δt = 50 °C [Watt]	164,5	180,1
Therm. output per el. Δt = 30 °C [Watt]	84,0	92,1
Dry Weight per element [kg]	4,410	4,844
Water content [lt]	1,507	1,651
Element surface [m²]	0,487	0,535
Exponent **n**	1,3152	1,3136
Pipe Centres I [mm] (V3-V4 only)	**1962**	**2162**

AVAILABLE ACCESSORIES



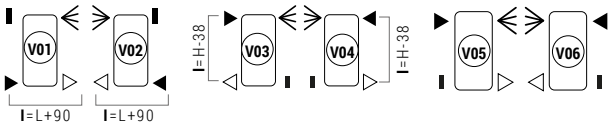
Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

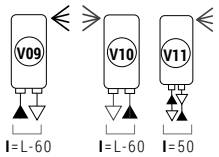
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS

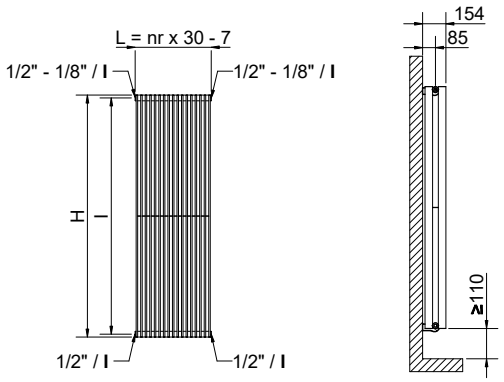


SPECIAL CONNECTIONS

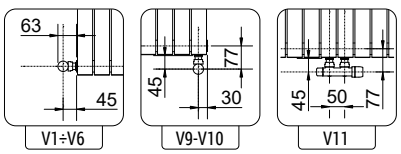


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND
- In — I Pipe Centres
- Out — L Width
- Airvent — Connection
- H Height — Welded cap



Quotes for Kristal valves



FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE KEIRA TANDEM VERTICAL RADIATOR

Radiator model E.g.: KEIRA TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KT10	24	140	V02	T01	A

Example of article code creation

KT10 KEIRA TANDEM VERTICAL
24 24 Elements (see table below)
140 Height 1400 mm (see table below)
V02 Connection V02 (see next page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:
KT10 24 140 V02 T01 A

Height H [mm]		538	638	738	838	938	1400	1600	1800	1900
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
263	9	474	545	616	685	754	1069	1205	1343	1411
293	10	527	606	684	761	838	1188	1339	1492	1568
323	11	580	667	752	837	922	1307	1473	1641	1725
353	12	632	727	821	913	1006	1426	1607	1790	1882
383	13	685	788	889	989	1089	1544	1741	1940	2038
413	14	738	848	958	1065	1173	1663	1875	2089	2195
443	15	791	909	1026	1142	1257	1782	2009	2238	2352
473	16	843	970	1094	1218	1341	1901	2142	2387	2509
503	17	896	1030	1163	1294	1424	2020	2276	2536	2666
533	18	949	1091	1231	1370	1508	2138	2410	2686	2822
563	19	1001	1151	1300	1446	1592	2257	2544	2835	2979
593	20	1054	1212	1368	1522	1676	2376	2678	2984	
623	21	1107	1273	1436	1598	1760	2495	2812		
653	22	1159	1333	1505	1674	1843	2614			
683	23	1212	1394	1573	1750	1927				
713	24	1265	1454	1642	1826	2011				
743	25	1318	1515	1710	1903	2095				
773	26	1370	1576	1778	1979	2179				
803	27	1423	1636	1847	2055	2262				
833	28	1476	1697	1915	2131	2346				
863	29	1528	1757	1984	2207	2430				
893	30	1581	1818	2052	2283	2514				
923	31	1634	1879	2120	2359	2598				
953	32	1686	1939	2189	2435	2681				
983	33	1739	2000	2257	2511	2765				
1013	34	1792	2060	2326	2587	2849				
1043	35	1845	2121	2394	2664	2933				
1073	36	1897	2182	2462	2740	3017				
1103	37	1950	2242	2531	2816	3100				
1133	38	2003	2303	2599	2892	3184				
1163	39	2055	2363	2668	2968	3268				
1193	40	2108	2424	2736	3044	3352				
1223	41	2161	2485	2804	3120					
1253	42	2213	2545	2873	3196					
1283	43	2266	2606	2941						
1313	44	2319	2666							
1373	46	2424	2788							
1433	48	2530								

All intermediate sizes are available for widths from 9 to 48 elements and heights from 538 to 2200 mm



Replacement heights are marked in grey color.

Height H [mm]		2000	2200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C
263	9	1481	1621
293	10	1645	1801
323	11	1810	1981
353	12	1974	2161
383	13	2139	2341
413	14	2303	2521
443	15	2468	2702
473	16	2632	2882
503	17	2797	
533	18	2961	

KEIRA

TANDEM VERTICAL

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
H 538 mm						
10	293	12,4	527	397	275	KT10 10 054 V __ __ A
12	353	14,9	632	476	330	KT10 12 054 V __ __ A
14	413	17,3	738	555	385	KT10 14 054 V __ __ A
16	473	19,8	843	635	440	KT10 16 054 V __ __ A
18	533	22,3	949	714	495	KT10 18 054 V __ __ A
20	593	24,8	1054	793	550	KT10 20 054 V __ __ A
22	653	27,2	1159	873	605	KT10 22 054 V __ __ A
24	713	29,7	1265	952	660	KT10 24 054 V __ __ A
26	773	32,2	1370	1031	715	KT10 26 054 V __ __ A
28	833	34,7	1476	1111	770	KT10 28 054 V __ __ A
30	893	37,1	1581	1190	825	KT10 30 054 V __ __ A
32	953	39,6	1686	1269	880	KT10 32 054 V __ __ A
34	1013	42,1	1792	1349	935	KT10 34 054 V __ __ A

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
H 638 mm						
10	293	14,6	606	456	316	KT10 10 064 V __ __ A
12	353	17,5	727	547	379	KT10 12 064 V __ __ A
14	413	20,4	848	639	443	KT10 14 064 V __ __ A
16	473	23,3	970	730	506	KT10 16 064 V __ __ A
18	533	26,2	1091	821	569	KT10 18 064 V __ __ A
20	593	29,1	1212	912	632	KT10 20 064 V __ __ A
22	653	32,0	1333	1003	696	KT10 22 064 V __ __ A
24	713	34,9	1454	1095	759	KT10 24 064 V __ __ A
26	773	37,9	1576	1186	822	KT10 26 064 V __ __ A
28	833	40,8	1697	1277	885	KT10 28 064 V __ __ A
30	893	43,7	1818	1368	949	KT10 30 064 V __ __ A
32	953	46,6	1939	1460	1012	KT10 32 064 V __ __ A
34	1013	49,5	2060	1551	1075	KT10 34 064 V __ __ A

H 738 mm						
10	293	16,7	684	515	357	KT10 10 074 V __ __ A
12	353	20,1	821	618	428	KT10 12 074 V __ __ A
14	413	23,4	958	721	500	KT10 14 074 V __ __ A
16	473	26,8	1094	824	571	KT10 16 074 V __ __ A
18	533	30,1	1231	927	643	KT10 18 074 V __ __ A
20	593	33,5	1368	1030	714	KT10 20 074 V __ __ A
22	653	36,8	1505	1133	785	KT10 22 074 V __ __ A
24	713	40,2	1642	1236	857	KT10 24 074 V __ __ A
26	773	43,5	1778	1339	928	KT10 26 074 V __ __ A
28	833	46,8	1915	1442	1000	KT10 28 074 V __ __ A
30	893	50,2	2052	1545	1071	KT10 30 074 V __ __ A
32	953	53,5	2189	1648	1142	KT10 32 074 V __ __ A

H 838 mm						
10	293	18,9	761	573	397	KT10 10 084 V __ __ A
12	353	22,7	913	687	477	KT10 12 084 V __ __ A
14	413	26,5	1065	802	556	KT10 14 084 V __ __ A
16	473	30,2	1218	917	636	KT10 16 084 V __ __ A
18	533	34,0	1370	1031	715	KT10 18 084 V __ __ A
20	593	37,8	1522	1146	795	KT10 20 084 V __ __ A
22	653	41,6	1674	1260	874	KT10 22 084 V __ __ A
24	713	45,4	1826	1375	953	KT10 24 084 V __ __ A
26	773	49,1	1979	1490	1033	KT10 26 084 V __ __ A
28	833	52,9	2131	1604	1112	KT10 28 084 V __ __ A
30	893	56,7	2283	1719	1192	KT10 30 084 V __ __ A
32	953	60,5	2435	1833	1271	KT10 32 084 V __ __ A

H 938 mm						
10	293	21,1	838	628	434	KT10 10 094 V __ __ A
12	353	25,3	1006	754	520	KT10 12 094 V __ __ A
14	413	29,5	1173	880	607	KT10 14 094 V __ __ A
16	473	33,7	1341	1006	694	KT10 16 094 V __ __ A
18	533	37,9	1508	1131	781	KT10 18 094 V __ __ A
20	593	42,1	1676	1257	867	KT10 20 094 V __ __ A
22	653	46,4	1844	1383	954	KT10 22 094 V __ __ A
24	713	50,6	2011	1508	1041	KT10 24 094 V __ __ A
26	773	54,8	2179	1634	1128	KT10 26 094 V __ __ A
28	833	59,0	2346	1760	1214	KT10 28 094 V __ __ A
30	893	63,2	2514	1885	1301	KT10 30 094 V __ __ A
32	953	67,4	2682	2011	1388	KT10 32 094 V __ __ A

H 1400 mm						
10	293	31,1	1188	888	610	KT10 10 140 V __ __ A
11	323	34,2	1307	976	671	KT10 11 140 V __ __ A
12	353	37,3	1426	1065	731	KT10 12 140 V __ __ A
13	383	40,4	1544	1154	792	KT10 13 140 V __ __ A
14	413	43,5	1663	1243	853	KT10 14 140 V __ __ A
15	443	46,6	1782	1331	914	KT10 15 140 V __ __ A
16	473	49,7	1901	1420	975	KT10 16 140 V __ __ A
17	503	52,8	2020	1509	1036	KT10 17 140 V __ __ A
18	533	55,9	2138	1598	1097	KT10 18 140 V __ __ A
19	563	59,0	2257	1686	1158	KT10 19 140 V __ __ A
20	593	62,1	2376	1775	1219	KT10 20 140 V __ __ A
21	623	65,2	2495	1864	1280	KT10 21 140 V __ __ A

KEIRA

TANDEM VERTICAL

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1600 mm						
10	293	35,4	1339	998	683	KT10 10 160 V __ __ A
11	323	39,0	1473	1098	751	KT10 11 160 V __ __ A
12	353	42,5	1607	1197	819	KT10 12 160 V __ __ A
13	383	46,0	1741	1297	888	KT10 13 160 V __ __ A
14	413	49,6	1875	1397	956	KT10 14 160 V __ __ A
15	443	53,1	2009	1497	1024	KT10 15 160 V __ __ A
16	473	56,7	2142	1596	1092	KT10 16 160 V __ __ A
17	503	60,2	2276	1696	1161	KT10 17 160 V __ __ A
18	533	63,7	2410	1796	1229	KT10 18 160 V __ __ A
19	563	67,3	2544	1896	1297	KT10 19 160 V __ __ A
20	593	70,8	2678	1995	1366	KT10 20 160 V __ __ A
21	623	74,4	2812	2095	1434	KT10 21 160 V __ __ A

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1800 mm						
10	293	39,8	1492	1112	761	KT10 10 180 V __ __ A
11	323	43,7	1641	1223	838	KT10 11 180 V __ __ A
12	353	47,7	1790	1335	914	KT10 12 180 V __ __ A
13	383	51,7	1940	1446	990	KT10 13 180 V __ __ A
14	413	55,7	2089	1557	1066	KT10 14 180 V __ __ A
15	443	59,6	2238	1668	1142	KT10 15 180 V __ __ A
16	473	63,6	2387	1779	1218	KT10 16 180 V __ __ A
17	503	67,6	2536	1891	1294	KT10 17 180 V __ __ A
18	533	71,6	2686	2002	1371	KT10 18 180 V __ __ A
19	563	75,5	2835	2113	1447	KT10 19 180 V __ __ A
20	593	79,5	2984	2224	1523	KT10 20 180 V __ __ A

H 1900 mm						
9	263	37,7	1411	1052	721	KT10 09 190 V __ __ A
10	293	41,9	1568	1169	801	KT10 10 190 V __ __ A
11	323	46,1	1725	1286	881	KT10 11 190 V __ __ A
12	353	50,3	1882	1403	961	KT10 12 190 V __ __ A
13	383	54,5	2038	1520	1041	KT10 13 190 V __ __ A
14	413	58,7	2195	1637	1121	KT10 14 190 V __ __ A
15	443	62,9	2352	1753	1201	KT10 15 190 V __ __ A
16	473	67,1	2509	1870	1281	KT10 16 190 V __ __ A
17	503	71,3	2666	1987	1361	KT10 17 190 V __ __ A
18	533	75,5	2822	2104	1441	KT10 18 190 V __ __ A
19	563	79,7	2979	2221	1521	KT10 19 190 V __ __ A

H 2000 mm						
9	263	39,7	1481	1104	756	KT10 09 200 V __ __ A
10	293	44,1	1645	1227	840	KT10 10 200 V __ __ A
11	323	48,5	1810	1349	924	KT10 11 200 V __ __ A
12	353	52,9	1974	1472	1008	KT10 12 200 V __ __ A
13	383	57,3	2139	1595	1092	KT10 13 200 V __ __ A
14	413	61,7	2303	1717	1176	KT10 14 200 V __ __ A
15	443	66,2	2468	1840	1260	KT10 15 200 V __ __ A
16	473	70,6	2632	1963	1344	KT10 16 200 V __ __ A
17	503	75,0	2797	2085	1428	KT10 17 200 V __ __ A
18	533	79,4	2961	2208	1512	KT10 18 200 V __ __ A

H 2200 mm						
9	263	43,6	1621	1209	829	KT10 09 220 V __ __ A
10	293	48,4	1801	1343	921	KT10 10 220 V __ __ A
11	323	53,3	1981	1478	1013	KT10 11 220 V __ __ A
12	353	58,1	2161	1612	1105	KT10 12 220 V __ __ A
13	383	63,0	2341	1746	1197	KT10 13 220 V __ __ A
14	413	67,8	2521	1881	1289	KT10 14 220 V __ __ A
15	443	72,7	2702	2015	1381	KT10 15 220 V __ __ A
16	473	77,5	2882	2149	1473	KT10 16 220 V __ __ A

HOW TO ORDER THE KEIRA TANDEM VERTICAL RADIATOR

Radiator model E.g.: KEIRA TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KT10	24	140	V02	T01	A

Example of article code creation

KT10 KEIRA TANDEM VERTICAL
24 24 Elements
140 Height 1400 mm
V02 connection V02 (see product page)
T01 color T01 - Matt black (see color chart)
A Constant value

The article code will be:
KT10 24 140 V02 T01 A

KARIN VX

VERTICAL

WARRANTY **5 YEARS**



Height H [mm]	500	600	800	1000	1200	1400	1500	1600	1700
Therm. output per el. Δt = 50 °C [Watt]	21,1	25,0	32,6	39,9	46,9	53,7	57,1	60,3	63,3
Therm. output per el. Δt = 30 °C [Watt]	11,0	13,1	17,0	20,8	24,5	28,1	29,9	31,6	33,3
Dry Weight per element [kg]	0,333	0,389	0,501	0,613	0,725	0,837	0,893	0,949	1,005
Water content [lt]	0,140	0,162	0,206	0,250	0,295	0,339	0,361	0,383	0,406
Element surface [m²]	0,040	0,047	0,061	0,075	0,089	0,103	0,110	0,117	0,124
Exponent **n**	1,2691	1,2708	1,2742	,2725	1,2708	1,2691	1,2682	1,2673	1,2664
Pipe Centres I [mm] (V3-V4 only)	**470**	**570**	**770**	**970**	**1170**	**1370**	**1470**	**1570**	**1670**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	66,7	69,9	72,9	78,9	81,9	87,6
Therm. output per el. Δt = 30 °C [Watt]	34,9	36,5	38,0	41,0	42,5	45,2
Dry Weight per element [kg]	1,061	1,117	1,173	1,285	1,341	1,453
Water content [lt]	0,428	0,450	0,472	0,516	0,539	0,583
Element surface [m²]	0,131	0,138	0,145	0,159	0,166	0,180
Exponent **n**	1,2656	1,2698	1,2739	1,2823	1,2865	1,2948
Pipe Centres I [mm] (V3-V4 only)	**1770**	**1870**	**1970**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• 15x20 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

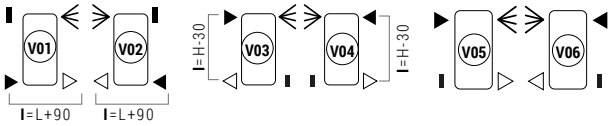
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

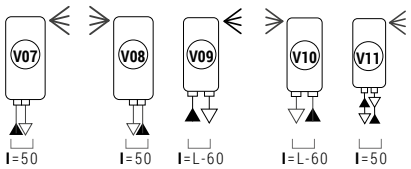
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



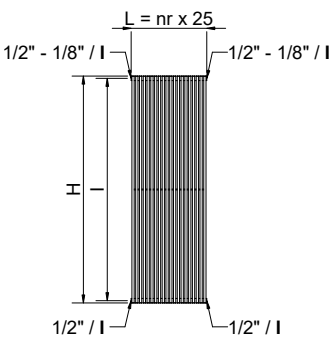
SPECIAL CONNECTIONS

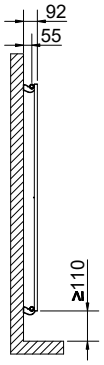


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

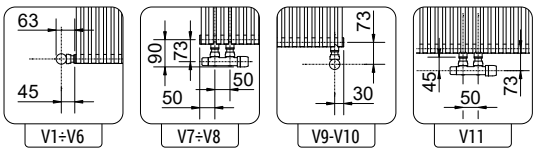
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE KARIN VX VERTICAL RADIATOR

Radiator model E.g.: KARIN VX VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1600 mm	Connection code Example: connection V03	Color code Es: R01 - White	Constant value
KA15	24	160	V03	R01	A

Example of article code creation

KA15 KARIN VX VERTICAL
24 24 Elements (see table below)
160 Height 1600 mm (see table below)
V01 Connection V03 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
KA15 24 160 V03 R01 A

Height H [mm]		500	600	800	1000	1200	1400	1500	1600	1700
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	169	200	261	319	375	430	457	482	506
250	10	211	250	326	399	469	537	571	603	633
300	12	253	300	391	479	563	644	685	724	760
350	14	295	350	456	559	657	752	799	844	886
400	16	338	400	522	638	750	859	914	965	1013
450	18	380	450	587	718	844	967	1028	1085	1139
500	20	422	500	652	798	938	1074	1142	1206	1266
550	22	464	550	717	878	1032	1181	1256	1327	1393
600	24	506	600	782	958	1126	1289	1370	1447	1519
650	26	549	650	848	1037	1219	1396	1485	1568	1646
700	28	591	700	913	1117	1313	1504	1599	1688	1772
750	30	633	750	978	1197	1407	1611	1713	1809	1899
800	32	675	800	1043	1277	1501	1718	1827	1930	2026
850	34	717	850	1108	1357	1595	1826	1941	2050	2152
900	36	760	900	1174	1436	1688	1933	2056	2171	2279
950	38	802	950	1239	1516	1782	2041	2170	2291	2405
1000	40	844	1000	1304	1596	1876	2148	2284	2412	2532
1050	42	886	1050	1369	1676	1970	2255	2398	2533	2659
1100	44	928	1100	1434	1756	2064	2363	2512	2653	2785
1150	46	971	1150	1500	1835	2157	2470	2627	2774	2912
1200	48	1013	1200	1565	1915	2251	2578	2741	2894	3038
1250	50	1055	1250	1630	1995	2345	2685	2855	3015	3165
1300	52	1097	1300	1695	2075	2439	2792	2969	3136	3292
1350	54	1139	1350	1760	2155	2533	2900	3083	3256	3418
1400	56	1182	1400	1826	2234	2626	3007	3198	3377	3545
1450	58	1224	1450	1891	2314	2720	3115	3312	3497	3671
1500	60	1266	1500	1956	2394	2814	3222	3426	3618	3798
1550	62	1308	1550	2021	2474	2908	3329	3540	3739	3925
1600	64	1350	1600	2086	2554	3002	3437	3654	3859	4051
1650	66	1393	1650	2152	2633	3095	3544	3769	3980	4178
1700	68	1435	1700	2217	2713	3189	3652	3883	4100	4304
1750	70	1477	1750	2282	2793	3283	3759	3997	4221	4431
1800	72	1519	1800	2347	2873	3377	3866	4111	4342	4558

All intermediate sizes are available for widths from 8 to 72 Elements and heights from 500 to 2500 mm.

Height H [mm]		1800	1900	2000	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	534	559	583	631	655	701
250	10	667	699	729	789	819	876
300	12	800	839	875	947	983	1051
350	14	934	979	1021	1105	1147	1226
400	16	1067	1118	1166	1262	1310	1402
450	18	1201	1258	1312	1420	1474	1577
500	20	1334	1398	1458	1578	1638	1752
550	22	1467	1538	1604	1736	1802	1927
600	24	1601	1678	1750	1894	1966	2102
650	26	1734	1817	1895	2051	2129	2278
700	28	1868	1957	2041	2209	2293	2453
750	30	2001	2097	2187	2367	2457	2628
800	32	2134	2237	2333	2525	2621	2803
850	34	2268	2377	2479	2683	2785	2978
900	36	2401	2516	2624	2840	2948	3154
950	38	2535	2656	2770	2998	3112	3329
1000	40	2668	2796	2916	3156	3276	3504
1050	42	2801	2936	3062	3314	3440	3679
1100	44	2935	3076	3208	3472	3604	3854
1150	46	3068	3215	3353	3629	3767	4030
1200	48	3202	3355	3499	3787	3931	4205
1250	50	3335	3495	3645	3945	4095	4380
1300	52	3468	3635	3791	4103	4259	4555
1350	54	3602	3775	3937	4261	4423	4730
1400	56	3735	3914	4082	4418	4586	4906
1450	58	3869	4054	4228	4576	4750	5081
1500	60	4002	4194	4374	4734	4914	5256
1550	62	4135	4334	4520	4892	5078	5431
1600	64	4269	4474	4666	5050	5242	5606
1650	66	4402	4613	4811	5207	5405	5782
1700	68	4536	4753	4957	5365	5569	5957
1750	70	4669	4893	5103	5523	5733	6132
1800	72	4802	5033	5249	5681	5897	6307

KARIN VX

VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	2,7	169	127	88	KA15 08 050 V __ __ A
10	250	3,3	211	159	110	KA15 10 050 V __ __ A
12	300	4,0	253	191	132	KA15 12 050 V __ __ A
14	350	4,7	295	223	154	KA15 14 050 V __ __ A
16	400	5,3	338	254	176	KA15 16 050 V __ __ A
18	450	6,0	380	286	198	KA15 18 050 V __ __ A
20	500	6,7	422	318	220	KA15 20 050 V __ __ A
22	550	7,3	464	350	242	KA15 22 050 V __ __ A
24	600	8,0	506	382	264	KA15 24 050 V __ __ A
28	700	9,3	591	445	308	KA15 28 050 V __ __ A
32	800	10,7	675	509	352	KA15 32 050 V __ __ A
38	950	12,7	802	604	418	KA15 38 050 V __ __ A
40	1000	13,3	844	636	440	KA15 40 050 V __ __ A
48	1200	16,0	1013	763	528	KA15 40 050 V __ __ A
54	1350	18,0	1139	858	594	KA15 54 050 V __ __ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	3,1	200	151	104	KA15 08 060 V __ __ A
10	250	3,9	250	188	131	KA15 10 060 V __ __ A
12	300	4,7	300	226	157	KA15 12 060 V __ __ A
14	350	5,4	350	264	183	KA15 14 060 V __ __ A
16	400	6,2	400	301	209	KA15 16 060 V __ __ A
18	450	7,0	450	339	235	KA15 18 060 V __ __ A
20	500	7,8	500	377	261	KA15 20 060 V __ __ A
22	550	8,6	550	414	287	KA15 22 060 V __ __ A
24	600	9,3	600	452	313	KA15 24 060 V __ __ A
28	700	10,9	700	527	366	KA15 28 060 V __ __ A
32	800	12,4	800	602	418	KA15 32 060 V __ __ A
38	950	14,8	950	715	496	KA15 38 060 V __ __ A
40	1000	15,6	1000	753	522	KA15 40 060 V __ __ A
48	1200	18,7	1200	904	627	KA15 48 060 V __ __ A
54	1350	21,0	1350	1017	705	KA15 54 060 V __ __ A

H 800 mm

8	200	4,0	261	196	136	KA15 08 080 V __ __ A
10	250	5,0	326	245	170	KA15 10 080 V __ __ A
12	300	6,0	391	294	204	KA15 12 080 V __ __ A
14	350	7,0	456	343	238	KA15 14 080 V __ __ A
16	400	8,0	522	393	272	KA15 16 080 V __ __ A
18	450	9,0	587	442	306	KA15 18 080 V __ __ A
20	500	10,0	652	491	340	KA15 20 080 V __ __ A
22	550	11,0	717	540	374	KA15 22 080 V __ __ A
24	600	12,0	782	589	408	KA15 24 080 V __ __ A
28	700	14,0	913	687	476	KA15 28 080 V __ __ A
32	800	16,0	1043	785	544	KA15 32 080 V __ __ A
38	950	19,0	1239	932	646	KA15 38 080 V __ __ A
40	1000	20,0	1304	981	680	KA15 40 080 V __ __ A
48	1200	24,0	1565	1178	816	KA15 48 080 V __ __ A
54	1350	27,1	1760	1325	918	KA15 54 080 V __ __ A

H 1000 mm

8	200	4,9	319	240	167	KA15 08 100 V __ __ A
10	250	6,1	399	300	208	KA15 10 100 V __ __ A
12	300	7,4	479	360	250	KA15 12 100 V __ __ A
14	350	8,6	559	421	292	KA15 14 100 V __ __ A
16	400	9,8	638	481	333	KA15 16 100 V __ __ A
18	450	11,0	718	541	375	KA15 18 100 V __ __ A
20	500	12,3	798	601	417	KA15 20 100 V __ __ A
22	550	13,5	878	661	458	KA15 22 100 V __ __ A
24	600	14,7	958	721	500	KA15 24 100 V __ __ A
28	700	17,2	1117	841	583	KA15 28 100 V __ __ A
32	800	19,6	1277	961	667	KA15 32 100 V __ __ A
38	950	23,3	1516	1141	792	KA15 38 100 V __ __ A
40	1000	24,5	1596	1201	833	KA15 40 100 V __ __ A
48	1200	29,4	1915	1442	1000	KA15 48 100 V __ __ A
54	1350	33,1	2155	1622	1125	KA15 54 100 V __ __ A

H 1200 mm

8	200	5,8	373	281	195	KA15 08 120 V __ __ A
10	250	7,3	326	351	243	KA15 10 120 V __ __ A
12	300	8,7	391	421	292	KA15 12 120 V __ __ A
14	350	10,2	456	491	341	KA15 14 120 V __ __ A
16	400	11,6	522	562	390	KA15 16 120 V __ __ A
18	450	13,1	587	632	438	KA15 18 120 V __ __ A
20	500	14,5	652	702	487	KA15 20 120 V __ __ A
22	550	16,0	717	772	536	KA15 22 120 V __ __ A
24	600	17,4	782	842	584	KA15 24 120 V __ __ A
28	700	20,3	913	983	682	KA15 28 120 V __ __ A
32	800	23,2	1043	1123	779	KA15 32 120 V __ __ A
38	950	27,6	1239	1334	925	KA15 38 120 V __ __ A
40	1000	29,0	1304	1404	974	KA15 40 120 V __ __ A
48	1200	34,8	1565	1685	1169	KA15 48 120 V __ __ A
54	1350	39,2	1760	1895	1315	KA15 54 120 V __ __ A

H 1400 mm

8	200	6,7	430	324	225	KA15 08 140 V __ __ A
10	250	8,4	537	405	281	KA15 10 140 V __ __ A
12	300	10,0	644	485	337	KA15 12 140 V __ __ A
14	350	11,7	752	566	393	KA15 14 140 V __ __ A
16	400	13,4	859	647	449	KA15 16 140 V __ __ A
18	450	15,1	967	728	505	KA15 18 140 V __ __ A
20	500	16,7	1074	809	562	KA15 20 140 V __ __ A
22	550	18,4	1181	890	618	KA15 22 140 V __ __ A
24	600	20,1	1289	971	674	KA15 24 140 V __ __ A
28	700	23,4	1504	1133	786	KA15 28 140 V __ __ A
32	800	26,8	1718	1295	899	KA15 32 140 V __ __ A
38	950	31,8	2041	1537	1067	KA15 38 140 V __ __ A
40	1000	33,5	2148	1618	1123	KA15 40 140 V __ __ A
48	1200	40,2	2578	1942	1348	KA15 48 140 V __ __ A
54	1350	45,2	2900	2185	1516	KA15 54 140 V __ __ A

KARIN VX

VERTICAL

H 1500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	7,1	457	344	239	KA15 08 150 V __ __ A
10	250	8,9	571	430	299	KA15 10 150 V __ __ A
12	300	10,7	685	516	358	KA15 12 150 V __ __ A
14	350	12,5	799	602	418	KA15 14 150 V __ __ A
16	400	14,3	914	688	478	KA15 16 150 V __ __ A
18	450	16,1	1028	774	538	KA15 18 150 V __ __ A
20	500	17,9	1142	861	597	KA15 20 150 V __ __ A
22	550	19,6	1256	947	657	KA15 22 150 V __ __ A
24	600	21,4	1370	1033	717	KA15 24 150 V __ __ A
28	700	25,0	1599	1205	836	KA15 28 150 V __ __ A
32	800	28,6	1827	1377	956	KA15 32 150 V __ __ A
38	950	33,9	2170	1635	1135	KA15 38 150 V __ __ A
40	1000	35,7	2284	1721	1195	KA15 40 150 V __ __ A
48	1200	42,9	2741	2065	1434	KA15 48 150 V __ __ A
54	1350	48,2	3083	2323	1613	KA15 54 150 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	7,6	482	364	252	KA15 08 160 V __ __ A
10	250	9,5	603	454	316	KA15 10 160 V __ __ A
12	300	11,4	724	545	379	KA15 12 160 V __ __ A
14	350	13,3	844	636	442	KA15 14 160 V __ __ A
16	400	15,2	965	727	505	KA15 16 160 V __ __ A
18	450	17,1	1085	818	568	KA15 18 160 V __ __ A
20	500	19,0	1206	909	631	KA15 20 160 V __ __ A
22	550	20,9	1327	1000	694	KA15 22 160 V __ __ A
24	600	22,8	1447	1091	757	KA15 24 160 V __ __ A
28	700	26,6	1688	1273	884	KA15 28 160 V __ __ A
32	800	30,4	1930	1454	1010	KA15 32 160 V __ __ A
38	950	36,1	2291	1727	1199	KA15 38 160 V __ __ A
40	1000	38,0	2412	1818	1262	KA15 40 160 V __ __ A
48	1200	45,6	2894	2181	1515	KA15 48 160 V __ __ A
54	1350	51,2	3256	2454	1704	KA15 54 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	8,5	534	402	280	KA15 08 180 V __ __ A
10	250	10,6	667	503	349	KA15 10 180 V __ __ A
12	300	12,7	800	603	419	KA15 12 180 V __ __ A
14	350	14,9	934	704	489	KA15 14 180 V __ __ A
16	400	17,0	1067	805	559	KA15 16 180 V __ __ A
18	450	19,1	1201	905	629	KA15 18 180 V __ __ A
20	500	21,2	1334	1006	699	KA15 20 180 V __ __ A
22	550	23,3	1467	1106	769	KA15 22 180 V __ __ A
24	600	25,5	1601	1207	839	KA15 24 180 V __ __ A
28	700	29,7	1868	1408	978	KA15 28 180 V __ __ A
32	800	34,0	2134	1609	1118	KA15 32 180 V __ __ A
38	950	40,3	2535	1911	1328	KA15 38 180 V __ __ A
40	1000	42,4	2668	2012	1398	KA15 40 180 V __ __ A
48	1200	50,9	3202	2414	1677	KA15 48 180 V __ __ A
54	1350	57,3	3602	2716	1887	KA15 54 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	8,9	559	421	292	KA15 08 200 V __ __ A
10	250	11,2	699	527	365	KA15 10 200 V __ __ A
12	300	13,4	839	632	438	KA15 12 200 V __ __ A
14	350	15,6	979	737	512	KA15 14 200 V __ __ A
16	400	17,9	1118	842	585	KA15 16 200 V __ __ A
18	450	20,1	1258	948	658	KA15 18 200 V __ __ A
20	500	22,3	1398	1053	731	KA15 20 200 V __ __ A
22	550	24,6	1538	1158	804	KA15 22 200 V __ __ A
24	600	26,8	1678	1264	877	KA15 24 200 V __ __ A
28	700	31,3	1957	1474	1023	KA15 28 200 V __ __ A
32	800	35,7	2237	1685	1169	KA15 32 200 V __ __ A
38	950	42,4	2656	2001	1389	KA15 38 200 V __ __ A
40	1000	44,7	2796	2106	1462	KA15 40 200 V __ __ A
48	1200	53,6	3355	2527	1754	KA15 48 200 V __ __ A
54	1350	60,3	3775	2843	1973	KA15 54 200 V __ __ A

H 2200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	10,3	631	474	328	KA15 08 220 V __ __ A
10	250	12,9	789	593	410	KA15 10 220 V __ __ A
12	300	15,4	947	711	492	KA15 12 220 V __ __ A
14	350	18,0	1105	830	574	KA15 14 220 V __ __ A
16	400	20,6	1262	948	656	KA15 16 220 V __ __ A
18	450	23,1	1420	1067	738	KA15 18 220 V __ __ A
20	500	25,7	1578	1185	820	KA15 20 220 V __ __ A
22	550	28,3	1736	1304	902	KA15 22 220 V __ __ A
24	600	30,8	1894	1422	984	KA15 24 220 V __ __ A
28	700	36,0	2209	1659	1148	KA15 28 220 V __ __ A
32	800	41,1	2525	1897	1311	KA15 32 220 V __ __ A
38	950	48,8	2998	2252	1557	KA15 38 220 V __ __ A
40	1000	51,4	3156	2371	1639	KA15 40 220 V __ __ A
48	1200	61,7	3787	2845	1967	KA15 48 220 V __ __ A
54	1350	69,4	4261	3200	2213	KA15 54 220 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	11,6	701	525	362	KA15 08 250 V __ __ A
10	250	14,5	876	656	452	KA15 10 250 V __ __ A
12	300	17,4	1051	787	543	KA15 12 250 V __ __ A
14	350	20,3	1226	919	633	KA15 14 250 V __ __ A
16	400	23,2	1402	1050	723	KA15 16 250 V __ __ A
18	450	26,2	1577	1181	814	KA15 18 250 V __ __ A
20	500	29,1	1752	1312	904	KA15 20 250 V __ __ A
22	550	32,0	1927	1444	995	KA15 22 250 V __ __ A
24	600	34,9	2102	1575	1085	KA15 24 250 V __ __ A
28	700	40,7	2453	1837	1266	KA15 28 250 V __ __ A
32	800	46,5	2803	2100	1447	KA15 32 250 V __ __ A
38	950	55,2	3329	2493	1718	KA15 38 250 V __ __ A
40	1000	58,1	3504	2625	1808	KA15 40 250 V __ __ A
48	1200	69,7	4205	3150	2170	KA15 48 250 V __ __ A
54	1350	78,5	4730	3543	2441	KA15 54 250 V __ __ A

HOW TO ORDER THE KARIN VX VERTICAL RADIATOR

Radiator model E.g.: KARIN VX VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1600 mm	Connection code Example: connection V03	Color code Es: R01 - White	Constant value
KA15	24	160	V03	R01	A

Example of article code creation

KA15 KARIN VX VERTICAL
24 24 Elements
160 Height 1600 mm
V01 Connection V03 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
KA15 24 160 V03 R01 A

KARIN VX

HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	500	600	800	1000	1200	1400	1500	1600
Dry Weight per element [kg]	0,333	0,389	0,501	0,613	0,725	0,837	0,893	0,949
Water content [lt]	0,140	0,162	0,206	0,250	0,294	0,338	0,360	0,382
Element surface [m²]	0,400	0,047	0,061	0,075	0,089	0,103	0,110	0,117
Pipe Centres I [mm] (H1 only)	**470**	**570**	**770**	**970**	**1170**	**1370**	**1470**	**1570**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1700	1800	1900	2000	2200	2300	2500
Dry Weight per element [kg]	1,005	1,061	1,117	1,173	1,285	1,341	1,453
Water content [lt]	0,404	0,426	0,448	0,470	0,514	0,536	0,580
Element surface [m²]	0,124	0,131	0,138	0,145	0,159	0,166	0,180
Pipe Centres I [mm] (H1 only)	**1670**	**1770**	**1870**	**1970**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 15x20 mm rectangular horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

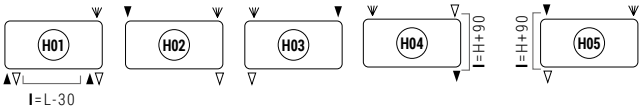
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

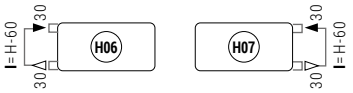
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



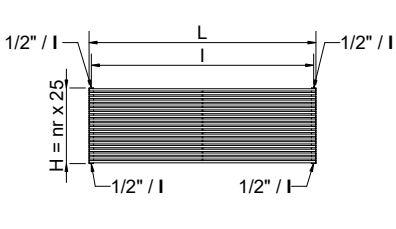
SPECIAL CONNECTIONS

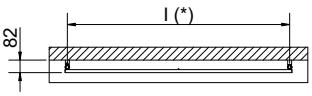


Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

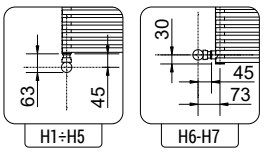
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE KARIN VX HORIZONTAL RADIATOR

Radiator model E.g.: KARIN VX horizontal	Nr of Elements E.g.: 24 Elements	Width in mm Example: 1600 mm	Connection code Example: connection H07	Color code Es: R01 - White	Constant value
KA15	24	160	H07	R01	A

Example of article code creation

KA15 KARIN VX HORIZONTAL
24 24 Elements (see table below)
160 Width 1600 mm (see table below)
H07 Connection H07 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
KA15 24 160 H07 R01 A

Width L [mm]		500	600	800	1000	1200	1400	1500	1600	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
200	**8**	169	202	270	337	405	472	506	539	175	1,2882
250	**10**	211	253	338	422	507	591	633	676	221	1,2672
300	**12**	252	302	403	504	604	705	755	806	266	1,2465
350	**14**	290	348	464	580	696	812	870	928	310	1,2258
400	**16**	326	391	521	652	782	913	978	1043	352	1,2051
450	**18**	359	431	575	719	862	1006	1078	1150	390	1,1979
500	**20**	390	468	624	780	936	1092	1170	1248	425	1,1907
550	**22**	418	502	669	837	1004	1171	1255	1339	457	1,1846
600	**24**	444	533	711	888	1066	1244	1333	1421	485	1,1858
650	**26**	468	561	748	935	1122	1310	1403	1497	510	1,1881
700	**28**	489	587	782	978	1173	1369	1467	1564	532	1,1904
750	**30**	508	609	812	1016	1219	1422	1523	1625	552	1,1927
800	**32**	525	630	839	1049	1259	1469	1574	1679	570	1,1932
850	**34**	539	647	863	1079	1295	1510	1618	1726	586	1,1952
900	**36**	552	663	884	1105	1326	1547	1657	1768	599	1,1972
950	**38**	564	676	902	1127	1352	1578	1691	1803	611	1,1992
1000	**40**	573	687	917	1146	1375	1604	1719	1833	620	1,2012
1050	**42**	581	697	929	1161	1394	1626	1742	1858	628	1,2032
1100	**44**	587	704	939	1174	1409	1643	1761	1878	634	1,2052

All intermediate sizes for heights from 8 to 44 Elements and widths from 500 to 2500 mm.

Width L [mm]		1700	1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
200	**8**	573	607	640	674	742	775	843	175	1,2882
250	**10**	718	760	802	845	929	971	1056	221	1,2672
300	**12**	856	906	957	1007	1108	1158	1259	266	1,2465
350	**14**	986	1044	1102	1160	1276	1334	1450	310	1,2258
400	**16**	1108	1173	1238	1304	1434	1499	1630	352	1,2051
450	**18**	1221	1293	1365	1437	1581	1653	1796	390	1,1979
500	**20**	1326	1404	1482	1560	1716	1794	1950	425	1,1907
550	**22**	1422	1506	1590	1673	1841	1924	2092	457	1,1846
600	**24**	1510	1599	1688	1777	1954	2043	2221	485	1,1858
650	**26**	1590	1684	1777	1871	2058	2151	2339	510	1,1881
700	**28**	1662	1760	1858	1955	2151	2249	2444	532	1,1904
750	**30**	1727	1828	1930	2031	2234	2336	2539	552	1,1927
800	**32**	1784	1889	1994	2099	2308	2413	2623	570	1,1932
850	**34**	1834	1942	2050	2158	2374	2481	2697	586	1,1952
900	**36**	1878	1989	2099	2210	2431	2541	2762	599	1,1972
950	**38**	1916	2029	2141	2254	2479	2592	2818	611	1,1992
1000	**40**	1948	2062	2177	2291	2521	2635	2864	620	1,2012
1050	**42**	1974	2090	2206	2323	2555	2671	2903	628	1,2032
1100	**44**	1995	2113	2230	2348	2582	2700	2935	634	1,2052

KARIN VX

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 400 mm							
16	500	1,2051	5,33	326	249	176	KA15 16 050 H __ __ A
	600	1,2051	6,22	391	299	211	KA15 16 060 H __ __ A
	800	1,2051	8,02	521	398	282	KA15 16 080 H __ __ A
	1000	1,2051	9,81	652	498	352	KA15 16 100 H __ __ A
	1200	1,2051	11,60	782	598	423	KA15 16 120 H __ __ A
	1400	1,2051	13,39	913	698	493	KA15 16 140 H __ __ A
	1500	1,2051	14,29	978	747	528	KA15 16 150 H __ __ A
	1600	1,2051	15,18	1043	797	564	KA15 16 160 H __ __ A
	1700	1,2051	16,08	1108	847	599	KA15 16 170 H __ __ A
	1800	1,2051	16,98	1173	896	634	KA15 16 180 H __ __ A
	1900	1,2051	17,87	1238	946	669	KA15 16 190 H __ __ A
	2000	1,2051	18,77	1304	997	705	KA15 16 200 H __ __ A
	2200	1,2051	20,56	1434	1096	775	KA15 16 220 H __ __ A
	2300	1,2051	21,46	1499	1146	810	KA15 16 230 H __ __ A
	2500	1,2051	23,25	1630	1246	881	KA15 16 250 H __ __ A
H 500 mm							
20	500	1,1907	6,66	390	299	212	KA15 20 050 H __ __ A
	600	1,1907	7,78	468	359	255	KA15 20 060 H __ __ A
	800	1,1907	10,02	624	478	340	KA15 20 080 H __ __ A
	1000	1,1907	12,26	780	598	425	KA15 20 100 H __ __ A
	1200	1,1907	14,50	936	718	509	KA15 20 120 H __ __ A
	1400	1,1907	16,74	1092	837	594	KA15 20 140 H __ __ A
	1500	1,1907	17,86	1170	897	637	KA15 20 150 H __ __ A
	1600	1,1907	18,98	1248	957	679	KA15 20 160 H __ __ A
	1700	1,1907	20,10	1326	1017	722	KA15 20 170 H __ __ A
	1800	1,1907	21,22	1404	1076	764	KA15 20 180 H __ __ A
	1900	1,1907	22,34	1482	1136	807	KA15 20 190 H __ __ A
	2000	1,1907	23,46	1560	1196	849	KA15 20 200 H __ __ A
	2200	1,1907	25,70	1716	1316	934	KA15 20 220 H __ __ A
	2300	1,1907	26,82	1794	1375	976	KA15 20 230 H __ __ A
	2500	1,1907	29,06	1950	1495	1061	KA15 20 250 H __ __ A
H 550 mm							
22	500	1,1846	7,33	418	321	228	KA15 22 050 H __ __ A
	600	1,1846	8,56	502	385	274	KA15 22 060 H __ __ A
	800	1,1846	11,02	669	514	365	KA15 22 080 H __ __ A
	1000	1,1846	13,49	837	643	457	KA15 22 100 H __ __ A
	1200	1,1846	15,95	1004	771	548	KA15 22 120 H __ __ A
	1400	1,1846	18,41	1171	899	639	KA15 22 140 H __ __ A
	1500	1,1846	19,65	1255	963	685	KA15 22 150 H __ __ A
	1600	1,1846	20,88	1339	1028	731	KA15 22 160 H __ __ A
	1700	1,1846	22,11	1422	1092	776	KA15 22 170 H __ __ A
	1800	1,1846	23,34	1506	1156	822	KA15 22 180 H __ __ A
	1900	1,1846	24,57	1590	1221	868	KA15 22 190 H __ __ A
	2000	1,1846	25,81	1673	1284	913	KA15 22 200 H __ __ A
	2200	1,1846	28,27	1841	1413	1005	KA15 22 220 H __ __ A
	2300	1,1846	29,50	1924	1477	1051	KA15 22 230 H __ __ A
	2500	1,1846	31,97	2092	1606	1142	KA15 22 250 H __ __ A

KARIN VX

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 600 mm							
24	500	1,1858	7,99	444	341	242	KA15 24 050 H __ __ A
	600	1,1858	9,34	533	409	291	KA15 24 060 H __ __ A
	800	1,1858	12,02	711	546	388	KA15 24 080 H __ __ A
	1000	1,1858	14,71	888	682	485	KA15 24 100 H __ __ A
	1200	1,1858	17,40	1066	818	582	KA15 24 120 H __ __ A
	1400	1,1858	20,09	1244	955	679	KA15 24 140 H __ __ A
	1500	1,1858	21,43	1333	1023	727	KA15 24 150 H __ __ A
	1600	1,1858	22,78	1421	1091	775	KA15 24 160 H __ __ A
	1700	1,1858	24,12	1510	1159	824	KA15 24 170 H __ __ A
	1800	1,1858	25,46	1599	1227	873	KA15 24 180 H __ __ A
	1900	1,1858	26,81	1688	1296	921	KA15 24 190 H __ __ A
	2000	1,1858	28,15	1777	1364	970	KA15 24 200 H __ __ A
	2200	1,1858	30,84	1954	1500	1066	KA15 24 220 H __ __ A
	2300	1,1858	32,18	2043	1568	1115	KA15 24 230 H __ __ A
	2500	1,1858	34,87	2221	1705	1212	KA15 24 250 H __ __ A
H 650 mm							
26	500	1,1881	8,66	468	359	255	KA15 26 050 H __ __ A
	600	1,1881	10,11	561	430	306	KA15 26 060 H __ __ A
	800	1,1881	13,03	748	574	408	KA15 26 080 H __ __ A
	1000	1,1881	15,94	935	717	510	KA15 26 100 H __ __ A
	1200	1,1881	18,85	1122	861	612	KA15 26 120 H __ __ A
	1400	1,1881	21,76	1310	1005	714	KA15 26 140 H __ __ A
	1500	1,1881	23,22	1403	1076	765	KA15 26 150 H __ __ A
	1600	1,1881	24,67	1497	1148	816	KA15 26 160 H __ __ A
	1700	1,1881	26,13	1590	1220	867	KA15 26 170 H __ __ A
	1800	1,1881	27,59	1684	1292	918	KA15 26 180 H __ __ A
	1900	1,1881	29,04	1777	1363	969	KA15 26 190 H __ __ A
	2000	1,1881	30,50	1871	1435	1020	KA15 26 200 H __ __ A
	2200	1,1881	33,41	2058	1579	1122	KA15 26 220 H __ __ A
	2300	1,1881	34,87	2151	1650	1172	KA15 26 230 H __ __ A
	2500	1,1881	37,78	2339	1794	1275	KA15 26 250 H __ __ A
H 700 mm							
28	500	1,1904	9,32	489	375	266	KA15 28 050 H __ __ A
	600	1,1904	10,89	587	450	320	KA15 28 060 H __ __ A
	800	1,1904	14,03	782	600	426	KA15 28 080 H __ __ A
	1000	1,1904	17,16	978	750	532	KA15 28 100 H __ __ A
	1200	1,1904	20,30	1173	899	639	KA15 28 120 H __ __ A
	1400	1,1904	23,44	1369	1050	745	KA15 28 140 H __ __ A
	1500	1,1904	25,00	1467	1125	799	KA15 28 150 H __ __ A
	1600	1,1904	26,57	1564	1199	851	KA15 28 160 H __ __ A
	1700	1,1904	28,14	1662	1274	905	KA15 28 170 H __ __ A
	1800	1,1904	29,71	1760	1349	958	KA15 28 180 H __ __ A
	1900	1,1904	31,28	1858	1425	1011	KA15 28 190 H __ __ A
	2000	1,1904	32,84	1955	1499	1064	KA15 28 200 H __ __ A
	2200	1,1904	35,98	2151	1649	1171	KA15 28 220 H __ __ A
	2300	1,1904	37,55	2249	1724	1224	KA15 28 230 H __ __ A
	2500	1,1904	40,68	2444	1874	1330	KA15 28 250 H __ __ A

HOW TO ORDER THE KARIN VX HORIZONTAL RADIATOR

Radiator model E.g.: KARIN VX horizontal	Nr of Elements E.g.: 24 Elements	Width in mm Example: 1600 mm	Connection code Example: connection H07	Color code Es: R01 - White	Constant value
KA15	24	160	H07	R01	A

Example of article code creation

KA15 KARIN VX Horizontal
24 24 Elements
160 Width 1600 mm
H07 Connection H07 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

KA15 24 160 H07 R01 A

KARIN VX

TANDEM VERTICAL

WARRANTY **5 YEARS**



MATERIAL:
- Ø 30 mm horizontal collectors in painted mild steel.
- 15x20 mm double row of rectangular vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	32,7	34,8	38,3	40,4	49,0	50,6	56,1	59,1	68,7
Therm. output per el. Δt = 30 °C [Watt]	16,8	17,7	19,7	20,5	25,0	25,8	28,4	30,1	34,9
Dry Weight per element [kg]	0,607	0,646	0,725	0,758	0,949	0,982	1,094	1,173	1,397
Water content [lt]	0,249	0,264	0,295	0,308	0,383	0,397	0,441	0,472	0,561
Element surface [m²]	0,074	0,079	0,089	0,093	0,117	0,121	0,135	0,145	0,173
Exponent **n**	1,2990	,3396	1,3047	1,3373	,3161	,3520	,3304	1,3209	1,3258
Pipe Centres I [mm] (V3-V4 only)	**470**	**500**	**570**	**600**	**770**	**800**	**900**	**970**	**1170**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1400	1600	1700	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	77,7	86,3	90,5	94,5	98,4	102,3	109,6	113,2	120,0
Therm. output per el. Δt = 30 °C [Watt]	39,4	43,6	45,7	47,7	49,6	51,6	55,3	57,1	60,6
Dry Weight per element [kg]	1,621	1,845	1,957	2,069	2,181	2,293	2,517	2,629	2,853
Water content [lt]	0,650	0,738	0,782	0,827	0,871	0,916	1,004	1,049	1,137
Element surface [m²]	0,201	0,229	0,243	0,257	0,271	0,285	0,313	0,327	0,355
Exponent **n**	,3307	1,3355	1,3380	1,3404	,3399	,3395	,3385	1,3380	1,3371
Pipe Centres I [mm] (V3-V4 only)	**1370**	**1570**	**1670**	**1770**	**1870**	**1970**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

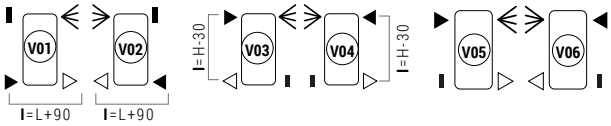
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

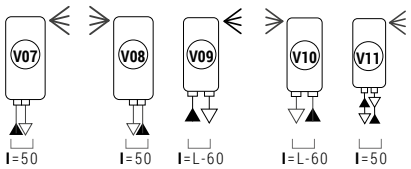
CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



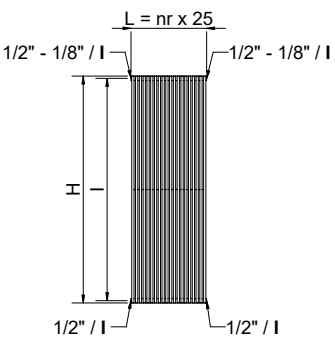
SPECIAL CONNECTIONS

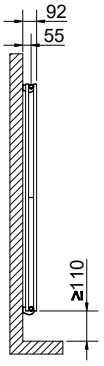


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

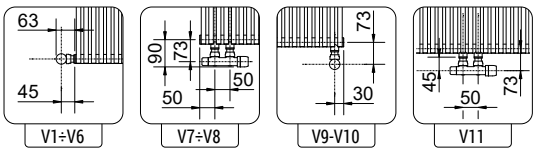
LEGEND

► In	I	Pipe Centres
▷ Out	L	Width
Airvent	▯	Connection
H Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE KARIN VX TANDEM VERTICAL RADIATOR

Radiator model E.g.: Karin VX tandem VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1900 mm	Connection code Example: connection V08	Color code Es: T01 - Matt black	Constant value
KT15	24	190	V08	T01	A

Example of article code creation

KT15 KARIN VX TANDEM VERTICAL
24 24 Elements (see table below)
190 Height 1900 mm (see table below)
V08 connection V08 (see next page)
T01 color T01 - Matt black (see color chart)
A Constant value

The article code will be:

KT15 24 190 V08 T01 A

Height H [mm]		500	530	600	630	800	830	930	1000	1200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	262	275	306	320	392	405	445	473	550
250	10	327	344	383	400	490	506	557	591	687
300	12	392	413	460	479	588	607	668	709	824
350	14	458	481	536	559	686	708	779	827	962
400	16	523	550	613	639	784	809	890	946	1099
450	18	589	619	689	719	882	910	1002	1064	1237
500	20	654	688	766	799	980	1012	1113	1182	1374
550	22	719	757	843	879	1078	1113	1224	1300	1511
600	24	785	825	919	959	1176	1214	1336	1418	1649
650	26	850	894	996	1039	1274	1315	1447	1537	1786
700	28	916	963	1072	1119	1372	1416	1558	1655	1924
750	30	981	1032	1149	1199	1470	1517	1670	1773	2061
800	32	1046	1100	1226	1279	1568	1618	1781	1891	2198
850	34	1112	1169	1302	1359	1666	1720	1892	2009	2336
900	36	1177	1238	1379	1438	1764	1821	2004	2128	2473
950	38	1243	1307	1455	1518	1862	1922	2115	2246	2611
1000	40	1308	1376	1532	1598	1960	2023	2226	2364	2748
1050	42	1373	1444	1609	1678	2058	2124	2337	2482	2885
1100	44	1439	1513	1685	1758	2156	2225	2449	2600	3023
1150	46	1504	1582	1762	1838	2254	2326	2560	2719	3160
1200	48	1570	1651	1838	1918	2352	2428	2671	2837	3298
1250	50	1635	1719	1915	1998	2450	2529	2783	2955	3435
1300	52	1700	1788	1992	2078	2548	2630	2894	3073	3572
1350	54	1766	1857	2068	2158	2646	2731	3005	3191	
1400	56	1831	1926	2145	2238	2744	2832	3117	3310	
1450	58	1897	1995	2221	2317	2842	2933	3228	3428	
1500	60	1962	2063	2298	2397	2940	3035	3339	3546	
1550	62	2027	2132	2375	2477	3038	3136	3451	3664	
1600	64	2093	2201	2451	2557	3136	3237	3562	3782	
1650	66	2158	2270	2528	2637	3234	3338	3673	3901	
1700	68	2224	2338	2604	2717	3332	3439	3784	4019	
1750	70	2289	2407	2681	2797	3430	3540	3896	4137	
1800	72	2354	2476	2758	2877	3528	3641	4007	4255	

All intermediate sizes are available for widths from 8 to 72 Elements and heights from 500 to 2500 mm

PIPE CENTRES FOR REPLACEMENT

Replacement heights are marked in grey color.

Height H [mm]		1400	1600	1700	1800	1900	2000	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
200	8	622	690	724	756	787	818	877	906	960
250	10	777	863	905	945	984	1023	1096	1132	1200
300	12	932	1036	1086	1134	1181	1228	1315	1358	1440
350	14	1088	1208	1267	1323	1378	1432	1534	1585	1680
400	16	1243	1381	1448	1512	1574	1637	1754	1811	1920
450	18	1399	1553	1629	1701	1771	1841	1973	2038	2160
500	20	1554	1726	1810	1890	1968	2046	2192	2264	2400
550	22	1709	1899	1991	2079	2165	2251	2411	2490	2640
600	24	1865	2071	2172	2268	2362	2455	2630	2717	2880
650	26	2020	2244	2353	2457	2558	2660	2850	2943	
700	28	2176	2416	2534	2646	2755	2864	3069		
750	30	2331	2589	2715	2835	2952	3069			
800	32	2486	2762	2896	3024	3149				
850	34	2642	2934	3077	3213					
900	36	2797	3107	3258						
950	38	2953	3279							
1000	40	3108								
1050	42	3263								
1100	44	3419								

KARIN VX

TANDEM VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output [Watt] Δt **50°C**	Δt 40°C	Δt 30°C	Art. nr.
8	200	4,9	262	196	135	KT15 08 050 V __ __ A
10	250	6,1	327	245	168	KT15 10 050 V __ __ A
12	300	7,3	392	294	202	KT15 12 050 V __ __ A
14	350	8,5	458	343	236	KT15 14 050 V __ __ A
16	400	9,7	523	392	269	KT15 16 050 V __ __ A
18	450	10,9	589	440	303	KT15 18 050 V __ __ A
20	500	12,1	654	489	337	KT15 20 050 V __ __ A
22	550	13,4	719	538	371	KT15 22 050 V __ __ A
24	600	14,6	785	587	404	KT15 24 050 V __ __ A
28	700	17,0	916	685	472	KT15 28 050 V __ __ A
30	750	18,2	981	734	505	KT15 30 050 V __ __ A
36	900	21,9	1177	881	606	KT15 36 050 V __ __ A
38	950	23,1	1243	930	640	KT15 38 050 V __ __ A
40	1000	24,3	1308	979	674	KT15 40 050 V __ __ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output [Watt] Δt **50°C**	Δt 40°C	Δt 30°C	Art. nr.
8	200	4,4	274	207	145	KT15 08 060 V __ __ A
10	250	5,5	342	259	181	KT15 10 060 V __ __ A
12	300	6,6	410	311	218	KT15 12 060 V __ __ A
14	350	7,6	479	363	254	KT15 14 060 V __ __ A
16	400	8,7	547	415	290	KT15 16 060 V __ __ A
18	450	9,8	616	467	326	KT15 18 060 V __ __ A
20	500	10,9	684	518	363	KT15 20 060 V __ __ A
22	550	12,0	752	570	399	KT15 22 060 V __ __ A
24	600	13,1	821	622	435	KT15 24 060 V __ __ A
28	700	15,3	958	726	508	KT15 28 060 V __ __ A
30	750	16,4	1026	778	544	KT15 30 060 V __ __ A
36	900	19,7	1231	933	653	KT15 36 060 V __ __ A
38	950	20,7	1300	985	689	KT15 38 060 V __ __ A
40	1000	21,8	1368	1037	725	KT15 40 060 V __ __ A

H 630 mm

8	200	6,1	323	240	164	KT15 08 063 V __ __ A
10	250	7,6	404	300	205	KT15 10 063 V __ __ A
12	300	9,1	485	360	246	KT15 12 063 V __ __ A
14	350	10,6	566	420	287	KT15 14 063 V __ __ A
16	400	12,1	646	480	328	KT15 16 063 V __ __ A
18	450	13,6	727	540	369	KT15 18 063 V __ __ A
20	500	15,2	808	600	410	KT15 20 063 V __ __ A
24	600	18,2	970	719	492	KT15 24 063 V __ __ A
26	650	19,7	1050	779	533	KT15 26 063 V __ __ A
28	700	21,2	1131	839	574	KT15 28 063 V __ __ A
32	800	24,3	1293	959	656	KT15 32 063 V __ __ A
34	850	25,8	1374	1019	697	KT15 34 063 V __ __ A
36	900	27,3	1454	1079	738	KT15 36 063 V __ __ A
38	950	28,8	1535	1139	779	KT15 38 063 V __ __ A
40	1000	30,3	1616	1199	820	KT15 40 063 V __ __ A

H 800 mm

8	200	7,6	392	292	200	KT15 08 080 V __ __ A
10	250	9,5	490	365	250	KT15 10 080 V __ __ A
12	300	11,4	588	438	300	KT15 12 080 V __ __ A
14	350	13,3	686	511	350	KT15 14 080 V __ __ A
16	400	15,2	784	584	400	KT15 16 080 V __ __ A
18	450	17,1	882	658	450	KT15 18 080 V __ __ A
20	500	19,0	980	731	500	KT15 20 080 V __ __ A
24	600	22,8	1176	877	600	KT15 24 080 V __ __ A
26	650	24,7	1274	950	650	KT15 26 080 V __ __ A
28	700	26,6	1372	1023	700	KT15 28 080 V __ __ A
32	800	30,4	1568	1169	801	KT15 32 080 V __ __ A
34	850	32,3	1666	1242	851	KT15 34 080 V __ __ A
36	900	34,2	1764	1315	901	KT15 36 080 V __ __ A
38	950	36,1	1862	1388	951	KT15 38 080 V __ __ A
40	1000	38,0	1960	1461	1001	KT15 40 080 V __ __ A

H 1000 mm

14	350	16,4	827	616	421	KT15 14 100 V __ __ A
16	400	18,8	946	704	482	KT15 16 100 V __ __ A
18	450	21,1	1064	792	542	KT15 18 100 V __ __ A
20	500	23,5	1182	880	602	KT15 20 100 V __ __ A
22	550	25,8	1300	968	662	KT15 22 100 V __ __ A
24	600	28,2	1418	1056	722	KT15 24 100 V __ __ A
26	650	30,5	1537	1144	783	KT15 26 100 V __ __ A
28	700	32,8	1655	1232	843	KT15 28 100 V __ __ A
30	750	35,2	1773	1320	903	KT15 30 100 V __ __ A
34	850	39,9	2009	1496	1023	KT15 34 100 V __ __ A
36	900	42,2	2128	1584	1084	KT15 36 100 V __ __ A
38	950	44,6	2246	1672	1144	KT15 38 100 V __ __ A
40	1000	46,9	2364	1761	1204	KT15 40 100 V __ __ A

H 1200 mm

14	350	19,6	962	715	489	KT15 14 120 V __ __ A
16	400	22,4	1099	818	558	KT15 16 120 V __ __ A
18	450	25,1	1237	920	628	KT15 18 120 V __ __ A
20	500	27,9	1374	1022	698	KT15 20 120 V __ __ A
22	550	30,7	1511	1124	768	KT15 22 120 V __ __ A
24	600	33,5	1649	1227	838	KT15 24 120 V __ __ A
26	650	36,3	1786	1329	907	KT15 26 120 V __ __ A
28	700	39,1	1924	1431	977	KT15 28 120 V __ __ A
30	750	41,9	2061	1533	1047	KT15 30 120 V __ __ A
34	850	47,5	2336	1738	1187	KT15 34 120 V __ __ A
36	900	50,3	2473	1840	1256	KT15 36 120 V __ __ A
38	950	53,1	2611	1942	1326	KT15 38 120 V __ __ A
40	1000	55,9	2748	2044	1396	KT15 40 120 V __ __ A

KARIN VX

TANDEM VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	22,7	1088	808	551	KT15 14 140 V __ __ A
16	400	25,9	1243	924	630	KT15 16 140 V __ __ A
18	450	29,2	1399	1039	709	KT15 18 140 V __ __ A
20	500	32,4	1554	1155	787	KT15 20 140 V __ __ A
22	550	35,7	1709	1270	866	KT15 22 140 V __ __ A
24	600	38,9	1865	1386	945	KT15 24 140 V __ __ A
26	650	42,1	2020	1501	1024	KT15 26 140 V __ __ A
28	700	45,4	2176	1617	1102	KT15 28 140 V __ __ A
30	750	48,6	2331	1732	1181	KT15 30 140 V __ __ A
32	800	51,9	2486	1848	1260	KT15 32 140 V __ __ A
34	850	55,1	2642	1963	1339	KT15 34 140 V __ __ A
36	900	58,4	2797	2079	1417	KT15 36 140 V __ __ A
38	950	61,6	2953	2194	1496	KT15 38 140 V __ __ A
40	1000	64,8	3108	2310	1575	KT15 40 140 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	25,8	1208	897	611	KT15 14 160 V __ __ A
16	400	29,5	1381	1025	698	KT15 16 160 V __ __ A
18	450	33,2	1553	1153	785	KT15 18 160 V __ __ A
20	500	36,9	1726	1281	872	KT15 20 160 V __ __ A
22	550	40,6	1899	1409	960	KT15 22 160 V __ __ A
24	600	44,3	2071	1537	1047	KT15 24 160 V __ __ A
26	650	48,0	2244	1666	1134	KT15 26 160 V __ __ A
28	700	51,7	2416	1794	1221	KT15 28 160 V __ __ A
30	750	55,4	2589	1922	1309	KT15 30 160 V __ __ A
32	800	59,0	2762	2050	1396	KT15 32 160 V __ __ A
34	850	62,7	2934	2178	1483	KT15 34 160 V __ __ A
36	900	66,4	3107	2306	1570	KT15 36 160 V __ __ A
38	950	70,1	3279	2434	1658	KT15 38 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	16,6	756	561	381	KT15 08 180 V __ __ A
10	250	20,7	945	701	477	KT15 10 180 V __ __ A
12	300	24,8	1134	841	572	KT15 12 180 V __ __ A
14	350	29,0	1323	981	667	KT15 14 180 V __ __ A
16	400	33,1	1512	1121	762	KT15 16 180 V __ __ A
18	450	37,2	1701	1261	858	KT15 18 180 V __ __ A
20	500	41,4	1890	1401	953	KT15 20 180 V __ __ A
22	550	45,5	2079	1542	1048	KT15 22 180 V __ __ A
24	600	49,7	2268	1682	1144	KT15 24 180 V __ __ A
26	650	53,8	2457	1822	1239	KT15 26 180 V __ __ A
28	700	57,9	2646	1962	1334	KT15 28 180 V __ __ A
30	750	62,1	2835	2102	1430	KT15 30 180 V __ __ A
32	800	66,2	3024	2242	1525	KT15 32 180 V __ __ A
34	850	70,3	3213	2382	1620	KT15 34 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	18,3	818	607	413	KT15 08 200 V __ __ A
10	250	22,9	1023	759	516	KT15 10 200 V __ __ A
12	300	27,5	1228	910	619	KT15 12 200 V __ __ A
14	350	32,1	1432	1062	722	KT15 14 200 V __ __ A
16	400	36,7	1637	1214	826	KT15 16 200 V __ __ A
18	450	41,3	1841	1366	929	KT15 18 200 V __ __ A
20	500	45,9	2046	1517	1032	KT15 20 200 V __ __ A
22	550	50,4	2251	1669	1135	KT15 22 200 V __ __ A
24	600	55,0	2455	1821	1239	KT15 24 200 V __ __ A
26	650	59,6	2660	1973	1342	KT15 26 200 V __ __ A
28	700	64,2	2864	2124	1445	KT15 28 200 V __ __ A
30	750	68,8	3069	2276	1548	KT15 30 200 V __ __ A

H 2200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	35,2	1534	1138	774	KT15 14 220 V __ __ A
16	400	40,3	1754	1301	885	KT15 16 220 V __ __ A
18	450	45,3	1973	1463	995	KT15 18 220 V __ __ A
20	500	50,3	2192	1626	1106	KT15 20 220 V __ __ A
22	550	55,4	2411	1789	1217	KT15 22 220 V __ __ A
24	600	60,4	2630	1951	1327	KT15 24 220 V __ __ A
26	650	65,4	2850	2114	1438	KT15 26 220 V __ __ A
28	700	70,5	3069	2276	1548	KT15 28 220 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	39,94	1680	1247	848	KT15 14 250 V __ __ A
16	400	45,65	1920	1425	970	KT15 16 250 V __ __ A
18	450	51,35	2160	1603	1091	KT15 18 250 V __ __ A
20	500	57,06	2400	1781	1212	KT15 20 250 V __ __ A
22	550	62,77	2640	1959	1333	KT15 22 250 V __ __ A
24	600	68,47	2880	2137	1454	KT15 24 250 V __ __ A

HOW TO ORDER THE KARIN VX TANDEM VERTICAL RADIATOR

Radiator model E.g.: KARIN VX TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1900 mm	Connection code Example: connection V08	Color code Es: T01 - Matt black	Constant value
KT15	24	190	V08	T01	A

Example of article code creation

KT15 KARIN VX TANDEM VERTICAL
24 24 Elements
190 Height 1900 mm
V08 Connection V08 (see product page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:

KT15 24 190 V08 T01 A

KARIN VX

TANDEM HORIZONTAL

WARRANTY **5 YEARS**


Color: RAL 9010 - R01 White

MATERIAL:
- Ø 30 mm collectors in painted mild steel.
- 15X20 mm double row of rectangular horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Width L [mm]	500	600	800	1000	1200	1400	1500	1600	1700
Dry Weight per element [kg]	0,613	0,725	0,949	1,173	1,397	1,621	1,733	1,845	1,957
Water content [lt]	0,250	0,295	0,383	0,472	0,561	0,650	0,694	0,738	0,783
Element surface [m²]	0,075	0,089	0,117	0,145	0,173	0,201	0,215	0,229	0,243
Pipe Centres I [mm] (H1 only)	**470**	**570**	**770**	**970**	**1170**	**1370**	**1470**	**1570**	**1670**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1800	1900	2000	2200	2300	2500
Dry Weight per element [kg]	2,069	2,181	2,293	2,405	2,517	2,629
Water content [lt]	0,827	0,871	0,916	0,961	1,006	1,051
Element surface [m²]	0,257	0,271	0,285	0,299	0,313	0,327
Pipe Centres I [mm] (H1 only)	**1770**	**1870**	**1970**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

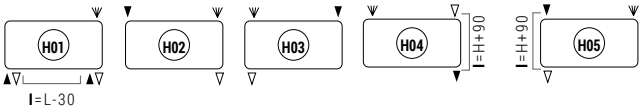
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

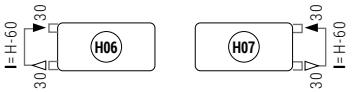
CE

EN 442-1 EURONORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



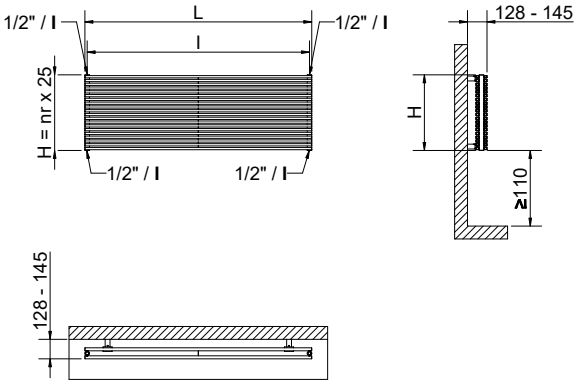
SPECIAL CONNECTIONS



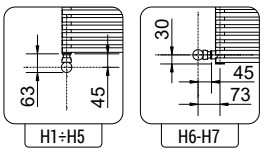
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE KARIN VX TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Karin VX tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 -White	Constant value
KT15	12	120	H04	R01	A

Example of article code creation

KT15 KARIN VX TANDEM HORIZONTAL
12 12 Elements (see table below)
120 Width 1200 mm (see table below)
H04 Connection H04 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
KT15 12 120 H04 R01 A

Width L [mm]		500	600	800	1000	1200	1400	1500	1600	1700	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
200	**8**	294	353	471	589	707	824	883	942	1001	317	1,2131
250	**10**	347	416	555	694	833	972	1041	1110	1180	374	1,2112
300	**12**	395	473	631	789	947	1105	1184	1262	1341	425	1,2093
350	**14**	438	525	700	875	1050	1225	1313	1400	1488	479	1,1803
400	**16**	477	572	762	953	1144	1334	1430	1525	1620	519	1,1887
450	**18**	512	614	819	1024	1229	1433	1536	1638	1741	556	1,1970
500	**20**	544	653	870	1088	1306	1523	1632	1741	1850	588	1,2054
550	**22**	573	688	917	1146	1375	1604	1719	1833	1948	618	1,2081
600	**24**	599	719	959	1198	1438	1677	1797	1917	2037	646	1,2109
650	**26**	623	747	996	1245	1494	1743	1868	1992	2117	670	1,2137
700	**28**	644	772	1030	1287	1544	1802	1931	2059	2188	711	1,1624
750	**30**	663	795	1060	1325	1590	1855	1988	2120	2253	735	1,1543
800	**32**	679	815	1086	1358	1630	1901	2037	2173	2309	756	1,1462
850	**34**	694	832	1110	1387	1664	1942	2081	2219	2358	776	1,1380
900	**36**	707	848	1130	1413	1696	1978	2120	2261	2402	794	1,1299
950	**38**	718	861	1148	1435	1722	2009	2153	2296		810	1,1218
1000	**40**	728	873	1164	1455	1746	2037	2183			803	1,1637
1050	**42**	736	883	1177	1471	1765	2059	2207			815	1,1556
1100	**44**	742	890	1187	1484	1781	2078				821	1,1597
1150	**46**	749	899	1198	1498	1797					836	1,1393
1200	**48**	755	906	1208	1510	1812					844	1,1312
1250	**50**	761	913	1217	1522	1826					858	1,1231
1300	**52**	766	920	1226	1533	1839					867	1,1149
1350	**54**	772	926	1235	1544						877	1,1068
1400	**56**	778	933	1245	1556						888	1,0987
1450	**58**	784	941	1255	1568						898	1,0906
1500	**60**	791	949	1266	1582						910	1,0824
1550	**62**	799	958	1278	1597						923	1,0743
1600	**64**	807	969	1292	1615						937	1,0662
1650	**66**	817	981	1308	1635						952	1,0581
1700	**68**	829	995	1326	1658						970	1,0499
1750	**70**	842	1010	1347	1684						989	1,0418
1800	**72**	857	1028	1371	1713						1010	1,0337

All intermediate sizes for heights from 4 to 18 elements and widths from 500 to 2500 mm

Width L [mm]		1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
200	**8**	1060	1119	1178	1296	1354	1472	317	1,2131
250	**10**	1249	1319	1388	1527	1596	1735	374	1,2112
300	**12**	1420	1499	1578	1736	1815	1973	425	1,2093
350	**14**	1575	1663	1750	1925	2013	2188	479	1,1803
400	**16**	1716	1811	1906	2097	2192	2383	519	1,1887
450	**18**	1843	1945	2048	2253	2355	2560	556	1,1970
500	**20**	1958	2067	2176	2394	2502	2720	588	1,2054
550	**22**	2063	2177	2292	2521	2636	2865	618	1,2081
600	**24**	2157	2277	2396	2636	2756	2996	646	1,2109
650	**26**	2242	2366	2491	2740	2864		670	1,2137
700	**28**	2317	2445	2574	2831			711	1,1624
750	**30**	2385	2518	2650				735	1,1543
800	**32**	2444	2580					756	1,1462
850	**34**	2497						776	1,1380

KARIN VX

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 400 mm							
16	500	1,1887	9,81	477	366	260	KT15 16 050 H __ __ A
	600	1,1887	11,60	572	439	312	KT15 16 060 H __ __ A
	800	1,1887	15,18	762	584	415	KT15 16 080 H __ __ A
	1000	1,1887	18,77	953	731	519	KT15 16 100 H __ __ A
	1200	1,1887	22,35	1144	877	623	KT15 16 120 H __ __ A
	1400	1,1887	25,94	1334	1023	727	KT15 16 140 H __ __ A
	1500	1,1887	27,73	1430	1097	779	KT15 16 150 H __ __ A
	1600	1,1887	29,52	1525	1170	831	KT15 16 160 H __ __ A
	1700	1,1887	31,31	1620	1243	883	KT15 16 170 H __ __ A
	1800	1,1887	33,10	1716	1316	935	KT15 16 180 H __ __ A
	1900	1,1887	34,90	1811	1389	987	KT15 16 190 H __ __ A
	2000	1,1887	36,69	1906	1462	1039	KT15 16 200 H __ __ A
	2200	1,1887	38,48	2097	1608	1143	KT15 16 220 H __ __ A
	2300	1,1887	40,27	2192	1681	1194	KT15 16 230 H __ __ A
	2500	1,1887	42,06	2383	1828	1298	KT15 16 250 H __ __ A
H 500 mm							
20	500	1,2054	12,26	544	416	294	KT15 20 050 H __ __ A
	600	1,2054	14,50	653	499	353	KT15 20 060 H __ __ A
	800	1,2054	18,98	870	665	470	KT15 20 080 H __ __ A
	1000	1,2054	23,46	1088	831	588	KT15 20 100 H __ __ A
	1200	1,2054	27,94	1306	998	706	KT15 20 120 H __ __ A
	1400	1,2054	32,42	1523	1164	823	KT15 20 140 H __ __ A
	1500	1,2054	34,66	1632	1247	882	KT15 20 150 H __ __ A
	1600	1,2054	36,90	1741	1330	941	KT15 20 160 H __ __ A
	1700	1,2054	39,14	1850	1414	999	KT15 20 170 H __ __ A
	1800	1,2054	41,38	1958	1496	1058	KT15 20 180 H __ __ A
	1900	1,2054	43,62	2067	1580	1117	KT15 20 190 H __ __ A
	2000	1,2054	45,86	2176	1663	1176	KT15 20 200 H __ __ A
	2200	1,2054	48,10	2394	1829	1293	KT15 20 220 H __ __ A
	2300	1,2054	50,34	2502	1912	1352	KT15 20 230 H __ __ A
	2500	1,2054	52,58	2720	2079	1469	KT15 20 250 H __ __ A
H 550 mm							
22	500	1,2081	13,49	573	438	309	KT15 22 050 H __ __ A
	600	1,2081	15,95	688	525	371	KT15 22 060 H __ __ A
	800	1,2081	20,88	917	700	495	KT15 22 080 H __ __ A
	1000	1,2081	25,81	1146	875	618	KT15 22 100 H __ __ A
	1200	1,2081	30,73	1375	1050	742	KT15 22 120 H __ __ A
	1400	1,2081	35,66	1604	1225	865	KT15 22 140 H __ __ A
	1500	1,2081	38,13	1719	1313	927	KT15 22 150 H __ __ A
	1600	1,2081	40,59	1833	1400	989	KT15 22 160 H __ __ A
	1700	1,2081	43,05	1948	1488	1051	KT15 22 170 H __ __ A
	1800	1,2081	45,52	2063	1576	1113	KT15 22 180 H __ __ A
	1900	1,2081	47,98	2177	1663	1174	KT15 22 190 H __ __ A
	2000	1,2081	50,45	2292	1750	1237	KT15 22 200 H __ __ A
	2200	1,2081	52,91	2521	1925	1360	KT15 22 220 H __ __ A
	2300	1,2081	55,37	2636	2013	1422	KT15 22 230 H __ __ A
	2500	1,2081	57,84	2865	2188	1546	KT15 22 250 H __ __ A

KARIN VX

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
H 600 mm							
	500	1,2109	14,71	599	457	323	KT15 24 050 H __ __ A
	600	1,2109	17,40	719	549	387	KT15 24 060 H __ __ A
	800	1,2109	22,78	959	732	517	KT15 24 080 H __ __ A
	1000	1,2109	28,15	1198	914	645	KT15 24 100 H __ __ A
	1200	1,2109	33,53	1438	1098	775	KT15 24 120 H __ __ A
	1400	1,2109	38,90	1677	1280	903	KT15 24 140 H __ __ A
	1500	1,2109	41,59	1797	1372	968	KT15 24 150 H __ __ A
24	1600	1,2109	44,28	1917	1463	1033	KT15 24 160 H __ __ A
	1700	1,2109	46,97	2037	1555	1097	KT15 24 170 H __ __ A
	1800	1,2109	49,66	2157	1646	1162	KT15 24 180 H __ __ A
	1900	1,2109	52,34	2277	1738	1227	KT15 24 190 H __ __ A
	2000	1,2109	55,03	2396	1829	1291	KT15 24 200 H __ __ A
	2200	1,2109	57,72	2636	2012	1420	KT15 24 220 H __ __ A
	2300	1,2109	60,41	2756	2103	1485	KT15 24 230 H __ __ A
	2500	1,2109	63,10	2996	2287	1614	KT15 24 250 H __ __ A
H 650 mm							
	500	1,2137	15,94	623	475	335	KT15 26 050 H __ __ A
	600	1,2137	18,85	747	570	402	KT15 26 060 H __ __ A
	800	1,2137	24,67	996	760	536	KT15 26 080 H __ __ A
	1000	1,2137	30,50	1245	950	670	KT15 26 100 H __ __ A
	1200	1,2137	36,32	1494	1140	804	KT15 26 120 H __ __ A
	1400	1,2137	42,15	1743	1329	938	KT15 26 140 H __ __ A
	1500	1,2137	45,06	1868	1425	1005	KT15 26 150 H __ __ A
26	1600	1,2137	47,97	1992	1519	1072	KT15 26 160 H __ __ A
	1700	1,2137	50,88	2117	1615	1139	KT15 26 170 H __ __ A
	1800	1,2137	53,79	2242	1710	1206	KT15 26 180 H __ __ A
	1900	1,2137	56,71	2366	1805	1273	KT15 26 190 H __ __ A
	2000	1,2137	59,62	2491	1900	1340	KT15 26 200 H __ __ A
	2200	1,2137	62,53	2740	2090	1474	KT15 26 220 H __ __ A
	2300	1,2137	65,44	2864	2185	1541	KT15 26 230 H __ __ A
H 700 mm							
	500	1,1624	17,16	644	497	356	KT15 28 050 H __ __ A
	600	1,1624	20,30	772	596	426	KT15 28 060 H __ __ A
	800	1,1624	26,57	1030	795	569	KT15 28 080 H __ __ A
	1000	1,1624	32,84	1287	993	711	KT15 28 100 H __ __ A
	1200	1,1624	39,12	1544	1191	853	KT15 28 120 H __ __ A
	1400	1,1624	45,39	1802	1390	995	KT15 28 140 H __ __ A
	1500	1,1624	48,52	1931	1490	1066	KT15 28 150 H __ __ A
28	1600	1,1624	51,66	2059	1589	1137	KT15 28 160 H __ __ A
	1700	1,1624	54,80	2188	1688	1208	KT15 28 170 H __ __ A
	1800	1,1624	57,93	2317	1788	1280	KT15 28 180 H __ __ A
	1900	1,1624	61,07	2445	1886	1350	KT15 28 190 H __ __ A
	2000	1,1624	64,20	2574	1986	1421	KT15 28 200 H __ __ A
	2200	1,1624	67,34	2831	2184	1563	KT15 28 220 H __ __ A

HOW TO ORDER THE KARIN VX TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Karin VX tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
KT15	12	120	H04	R01	A

Example of article code creation

KT15 KARIN VX TANDEM HORIZONTAL
12 12 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
KT15 12 120 H04 R01 A

ALICE 18

VERTICAL

WARRANTY **5 YEARS**



Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	17	20,5	23,8	27,1	30,3	36,6	42,7	48,8	51,9
Therm. output per el. Δt = 30 °C [Watt]	8,9	10,6	12,4	14,1	15,7	19	22,3	25,5	27,1
Dry Weight per element [kg]	0,211	0,252	0,294	0,336	0,378	0,462	0,546	0,630	0,672
Water content [lt]	0,110	0,130	0,151	0,171	0,191	0,231	0,271	0,311	0,332
Element surface [m²]	0,027	0,033	0,039	0,044	0,050	0,061	0,073	0,084	0,090
Exponent **n**	1,2814	1,2810	1,2805	1,2801	1,2797	1,2780	1,2754	1,2729	1,2716
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**570**	**670**	**770**	**970**	**1170**	**1370**	**1470**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	54,9	57,9	61	64	67	70	73,1	76,1	82,2
Therm. output per el. Δt = 30 °C [Watt]	28,6	30,2	31,7	33,2	34,8	36,3	37,8	39,3	42,4
Dry Weight per element [kg]	0,714	0,756	0,798	0,840	0,882	0,924	0,966	1,008	1,092
Water content [lt]	0,352	0,372	0,392	0,412	0,432	0,452	0,472	0,492	0,533
Element surface [m²]	0,095	0,101	0,106	0,112	0,118	0,123	0,129	0,135	0,146
Exponent **n**	1,2741	1,2767	1,2792	1,2817	1,2843	1,2868	1,2893	1,2919	1,2944
Pipe Centres I [mm] (V3-V4 only)	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 18 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

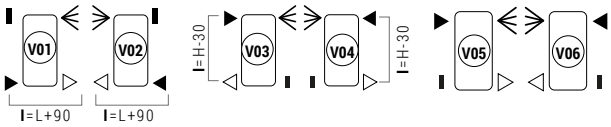
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

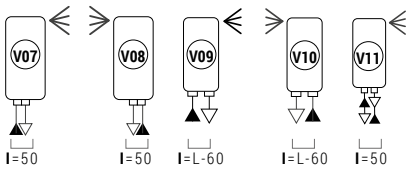
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



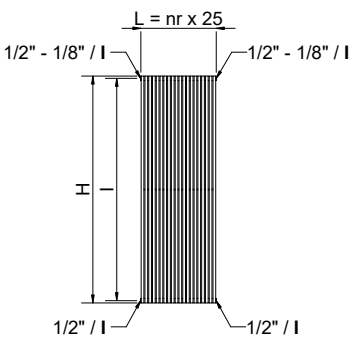
SPECIAL CONNECTIONS

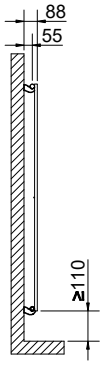


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

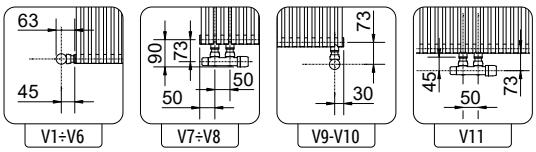
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

All intermediate sizes are available for widths from 5 to 70 elements and heights from 400 to 2500 mm.

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
125	**5**	85	103	119	136	152	183	214	244	260
150	**6**	102	123	143	163	182	220	256	293	311
175	**7**	119	144	167	190	212	256	299	342	363
200	**8**	136	164	190	217	242	293	342	390	415
225	**9**	153	185	214	244	273	329	384	439	467
250	**10**	170	205	238	271	303	366	427	488	519
275	**11**	187	226	262	298	333	403	470	537	571
300	**12**	204	246	286	325	364	439	512	586	623
325	**13**	221	267	309	352	394	476	555	634	675
350	**14**	238	287	333	379	424	512	598	683	727
375	**15**	255	308	357	407	455	549	641	732	779
400	**16**	272	328	381	434	485	586	683	781	830
425	**17**	289	349	405	461	515	622	726	830	882
450	**18**	306	369	428	488	545	659	769	878	934
475	**19**	323	390	452	515	576	695	811	927	986
500	**20**	340	410	476	542	606	732	854	976	1038
525	**21**	357	431	500	569	636	769	897	1025	1090
550	**22**	374	451	524	596	667	805	939	1074	1142
575	**23**	391	472	547	623	697	842	982	1122	1194
600	**24**	408	492	571	650	727	878	1025	1171	1246
625	**25**	425	513	595	678	758	915	1068	1220	1298
650	**26**	442	533	619	705	788	952	1110	1269	1349
675	**27**	459	554	643	732	818	988	1153	1318	1401
700	**28**	476	574	666	759	848	1025	1196	1366	1453
725	**29**	493	595	690	786	879	1061	1238	1415	1505
750	**30**	510	615	714	813	909	1098	1281	1464	1557
800	**32**	544	656	762	867	970	1171	1366	1562	1661
850	**34**	578	697	809	921	1030	1244	1452	1659	1765
900	**36**	612	738	857	976	1091	1318	1537	1757	1868
950	**38**	646	779	904	1030	1151	1391	1623	1854	1972
1000	**40**	680	820	952	1084	1212	1464	1708	1952	2076
1050	**42**	714	861	1000	1138	1273	1537	1793	2050	2180
1125	**45**	765	923	1071	1220	1364	1647	1922	2196	2336
1250	**50**	850	1025	1190	1355	1515	1830	2135	2440	2595
1375	**55**	935	1128	1309	1491	1667	2013	2349	2684	2855
1500	**60**	1020	1230	1428	1626	1818	2196	2562	2928	3114
1625	**65**	1105	1333	1547	1762	1970	2379	2776	3172	3374
1750	**70**	1190	1435	1666	1897	2121	2562	2989	3416	3633

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
125	**5**	275	290	305	320	335	350	366	381	411
150	**6**	329	347	366	384	402	420	439	457	493
175	**7**	384	405	427	448	469	490	512	533	575
200	**8**	439	463	488	512	536	560	585	609	658
225	**9**	494	521	549	576	603	630	658	685	740
250	**10**	549	579	610	640	670	700	731	761	822
275	**11**	604	637	671	704	737	770	804	837	904
300	**12**	659	695	732	768	804	840	877	913	986
325	**13**	714	753	793	832	871	910	950	989	1069
350	**14**	769	811	854	896	938	980	1023	1065	1151
375	**15**	824	869	915	960	1005	1050	1097	1142	1233
400	**16**	878	926	976	1024	1072	1120	1170	1218	1315
425	**17**	933	984	1037	1088	1139	1190	1243	1294	1397
450	**18**	988	1042	1098	1152	1206	1260	1316	1370	1480
475	**19**	1043	1100	1159	1216	1273	1330	1389	1446	1562
500	**20**	1098	1158	1220	1280	1340	1400	1462	1522	1644
525	**21**	1153	1216	1281	1344	1407	1470	1535	1598	1726
550	**22**	1208	1274	1342	1408	1474	1540	1608	1674	1808
575	**23**	1263	1332	1403	1472	1541	1610	1681	1750	1891
600	**24**	1318	1390	1464	1536	1608	1680	1754	1826	1973
625	**25**	1373	1448	1525	1600	1675	1750	1828	1903	2055
650	**26**	1427	1505	1586	1664	1742	1820	1901	1979	2137
675	**27**	1482	1563	1647	1728	1809	1890	1974	2055	2219
700	**28**	1537	1621	1708	1792	1876	1960	2047	2131	2302
725	**29**	1592	1679	1769	1856	1943	2030	2120	2207	2384
750	**30**	1647	1737	1830	1920	2010	2100	2193	2283	2466
800	**32**	1757	1853	1952	2048	2144	2240	2339	2435	2630
850	**34**	1867	1969	2074	2176	2278	2380	2485	2587	2795
900	**36**	1976	2084	2196	2304	2412	2520	2632	2740	2959
950	**38**	2086	2200	2318	2432	2546	2660	2778	2892	3124
1000	**40**	2196	2316	2440	2560	2680	2800	2924	3044	3288
1050	**42**	2306	2432	2562	2688	2814	2940	3070	3196	3452
1125	**45**	2471	2606	2745	2880	3015	3150	3290	3425	3699
1250	**50**	2745	2895	3050	3200	3350	3500	3655	3805	4110
1375	**55**	3020	3185	3355	3520	3685	3850	4021	4186	4521
1500	**60**	3294	3474	3660	3840	4020	4200	4386	4566	4932
1625	**65**	3569	3764	3965	4160	4355	4550	4752	4947	5343
1750	**70**	3843	4053	4270	4480	4690	4900	5117	5327	5754

ALICE 18

VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	2,0	164	123	85	AL18 08 050 V __ __ C
10	250	2,5	205	154	107	AL18 10 050 V __ __ C
12	300	3,0	246	185	128	AL18 12 050 V __ __ C
14	350	3,5	287	216	149	AL18 14 050 V __ __ C
15	375	3,8	308	231	160	AL18 15 050 V __ __ C
16	400	4,0	328	246	170	AL18 16 050 V __ __ C
18	450	4,5	369	277	192	AL18 18 050 V __ __ C
20	500	5,0	410	308	213	AL18 20 050 V __ __ C
22	550	5,5	451	339	234	AL18 22 050 V __ __ C
24	600	6,0	492	370	256	AL18 24 050 V __ __ C
28	700	7,1	574	431	298	AL18 28 050 V __ __ C
32	800	8,1	656	493	341	AL18 32 050 V __ __ C
38	950	9,6	779	585	405	AL18 38 050 V __ __ C
40	1000	10,1	820	616	426	AL18 40 050 V __ __ C
55	1375	13,9	1128	847	586	AL18 55 050 V __ __ C

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	2,4	190	143	99	AL18 08 060 V __ __ C
10	250	2,9	238	179	124	AL18 10 060 V __ __ C
12	300	3,5	286	215	148	AL18 12 060 V __ __ C
14	350	4,1	333	250	173	AL18 14 060 V __ __ C
15	375	4,4	357	268	186	AL18 15 060 V __ __ C
16	400	4,7	381	286	198	AL18 16 060 V __ __ C
18	450	5,3	428	322	223	AL18 18 060 V __ __ C
20	500	5,9	476	358	247	AL18 20 060 V __ __ C
22	550	6,5	524	393	272	AL18 22 060 V __ __ C
24	600	7,1	571	429	297	AL18 24 060 V __ __ C
28	700	8,2	666	501	346	AL18 28 060 V __ __ C
32	800	9,4	762	572	396	AL18 32 060 V __ __ C
38	950	11,2	904	680	470	AL18 38 060 V __ __ C
40	1000	11,8	952	715	495	AL18 40 060 V __ __ C
55	1375	16,2	1309	984	681	AL18 55 060 V __ __ C

H 700 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	2,7	217	163	113	AL18 08 070 V __ __ C
10	250	3,4	271	204	141	AL18 10 070 V __ __ C
12	300	4,0	325	244	169	AL18 12 070 V __ __ C
14	350	4,7	379	285	197	AL18 14 070 V __ __ C
15	375	5,0	407	305	211	AL18 15 070 V __ __ C
16	400	5,4	434	326	225	AL18 16 070 V __ __ C
18	450	6,0	488	367	254	AL18 18 070 V __ __ C
19	475	6,4	515	387	268	AL18 19 070 V __ __ C
20	500	6,7	542	407	282	AL18 20 070 V __ __ C
22	550	7,4	596	448	310	AL18 22 070 V __ __ C
24	600	8,1	650	489	338	AL18 24 070 V __ __ C
26	650	8,7	705	530	366	AL18 26 070 V __ __ C
30	750	10,1	813	611	423	AL18 30 070 V __ __ C
32	800	10,8	867	652	451	AL18 32 070 V __ __ C
36	900	12,1	976	733	507	AL18 36 070 V __ __ C

H 800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	3,0	242	182	126	AL18 08 080 V __ __ C
10	250	3,8	303	228	158	AL18 10 080 V __ __ C
12	300	4,5	364	273	189	AL18 12 080 V __ __ C
14	350	5,3	424	319	221	AL18 14 080 V __ __ C
15	375	5,7	455	342	236	AL18 15 080 V __ __ C
16	400	6,0	485	364	252	AL18 16 080 V __ __ C
18	450	6,8	545	410	284	AL18 18 080 V __ __ C
19	475	7,2	576	433	299	AL18 19 080 V __ __ C
20	500	7,6	606	455	315	AL18 20 080 V __ __ C
22	550	8,3	667	501	347	AL18 22 080 V __ __ C
24	600	9,1	727	547	378	AL18 24 080 V __ __ C
26	650	9,8	788	592	410	AL18 26 080 V __ __ C
30	750	11,3	909	683	473	AL18 30 080 V __ __ C
32	800	12,1	970	729	504	AL18 32 080 V __ __ C
36	900	13,6	1091	820	567	AL18 36 080 V __ __ C

H 1000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	250	4,6	366	275	191	AL18 10 100 V __ __ C
12	300	5,5	439	330	229	AL18 12 100 V __ __ C
13	325	6,0	476	358	248	AL18 13 100 V __ __ C
14	350	6,5	512	385	267	AL18 14 100 V __ __ C
15	375	6,9	549	413	286	AL18 15 100 V __ __ C
16	400	7,4	586	440	305	AL18 16 100 V __ __ C
18	450	8,3	659	495	343	AL18 18 100 V __ __ C
20	500	9,2	732	550	381	AL18 20 100 V __ __ C
22	550	10,2	805	605	419	AL18 22 100 V __ __ C
24	600	11,1	878	660	457	AL18 24 100 V __ __ C
28	700	12,9	1025	771	533	AL18 28 100 V __ __ C
30	750	13,9	1098	826	572	AL18 30 100 V __ __ C
40	1000	18,5	1464	1101	762	AL18 40 100 V __ __ C

H 1200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	250	6,3	427	321	223	AL18 10 120 V __ __ C
12	300	7,6	512	385	267	AL18 12 120 V __ __ C
13	325	8,2	555	418	289	AL18 13 120 V __ __ C
14	350	8,8	598	450	312	AL18 14 120 V __ __ C
15	375	9,5	641	482	334	AL18 15 120 V __ __ C
16	400	10,1	683	514	356	AL18 16 120 V __ __ C
18	450	11,3	769	578	401	AL18 18 120 V __ __ C
20	500	12,6	854	642	445	AL18 20 120 V __ __ C
22	550	13,9	939	707	490	AL18 22 120 V __ __ C
24	600	15,1	1025	771	534	AL18 24 120 V __ __ C
28	700	17,6	1196	899	623	AL18 28 120 V __ __ C
30	750	18,9	1281	964	668	AL18 30 120 V __ __ C
40	1000	25,2	1708	1285	890	AL18 40 120 V __ __ C

ALICE 18

VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	5,0	390	294	204	AL18 08 140 V __ __ C
9	225	5,7	439	331	229	AL18 09 140 V __ __ C
10	250	6,3	488	367	255	AL18 10 140 V __ __ C
11	275	6,9	537	404	280	AL18 11 140 V __ __ C
12	300	7,6	586	441	306	AL18 12 140 V __ __ C
13	325	8,2	634	478	331	AL18 13 140 V __ __ C
14	350	8,8	683	514	357	AL18 14 140 V __ __ C
15	375	9,5	732	551	382	AL18 15 140 V __ __ C
16	400	10,1	781	588	408	AL18 16 140 V __ __ C
18	450	11,3	878	661	458	AL18 18 140 V __ __ C
20	500	12,6	976	735	509	AL18 20 140 V __ __ C
22	550	13,9	1074	808	560	AL18 22 140 V __ __ C
24	600	15,1	1171	882	611	AL18 24 140 V __ __ C
28	700	17,6	1366	1029	713	AL18 28 140 V __ __ C

H 1500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	5,4	415	313	217	AL18 08 150 V __ __ C
9	225	6,0	467	352	244	AL18 09 150 V __ __ C
10	250	6,7	519	391	271	AL18 10 150 V __ __ C
11	275	7,4	571	430	298	AL18 11 150 V __ __ C
12	300	8,1	623	469	325	AL18 12 150 V __ __ C
13	325	8,7	675	508	352	AL18 13 150 V __ __ C
14	350	9,4	727	547	379	AL18 14 150 V __ __ C
15	375	10,1	779	586	407	AL18 15 150 V __ __ C
16	400	10,8	830	625	434	AL18 16 150 V __ __ C
18	450	12,1	934	703	488	AL18 18 150 V __ __ C
20	500	13,4	1038	782	542	AL18 20 150 V __ __ C
22	550	14,8	1142	860	596	AL18 22 150 V __ __ C
24	600	16,1	1246	938	651	AL18 24 150 V __ __ C
28	700	18,8	1453	1094	759	AL18 28 150 V __ __ C

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	5,7	439	331	229	AL18 08 160 V __ __ C
10	250	7,1	549	413	286	AL18 10 160 V __ __ C
12	300	8,6	659	496	344	AL18 12 160 V __ __ C
14	350	10,0	769	578	401	AL18 14 160 V __ __ C
16	400	11,4	878	661	458	AL18 16 160 V __ __ C
17	425	12,1	933	702	487	AL18 17 160 V __ __ C
18	450	12,9	988	744	515	AL18 18 160 V __ __ C
19	475	13,6	1043	785	544	AL18 19 160 V __ __ C
20	500	14,3	1098	826	573	AL18 20 160 V __ __ C
22	550	15,7	1208	909	630	AL18 22 160 V __ __ C
24	600	17,1	1318	992	687	AL18 24 160 V __ __ C
28	700	20,0	1537	1157	802	AL18 28 160 V __ __ C
30	750	21,4	1647	1239	859	AL18 30 160 V __ __ C
38	950	27,1	2086	1570	1088	AL18 38 160 V __ __ C

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	6,4	488	367	254	AL18 08 180 V __ __ C
10	250	8,0	610	459	317	AL18 10 180 V __ __ C
12	300	9,6	732	550	381	AL18 12 180 V __ __ C
14	350	11,2	854	642	444	AL18 14 180 V __ __ C
16	400	12,8	976	734	508	AL18 16 180 V __ __ C
17	425	13,6	1037	779	539	AL18 17 180 V __ __ C
18	450	14,4	1098	825	571	AL18 18 180 V __ __ C
19	475	15,2	1159	871	603	AL18 19 180 V __ __ C
20	500	16,0	1220	917	635	AL18 20 180 V __ __ C
22	550	17,6	1342	1009	698	AL18 22 180 V __ __ C
24	600	19,2	1464	1100	762	AL18 24 180 V __ __ C
28	700	22,3	1708	1284	889	AL18 28 180 V __ __ C
30	750	23,9	1830	1376	952	AL18 30 180 V __ __ C
38	950	30,3	2318	1742	1206	AL18 38 180 V __ __ C

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	7,1	536	402	278	AL18 08 200 V __ __ C
9	225	7,9	603	453	313	AL18 09 200 V __ __ C
10	250	8,8	670	503	348	AL18 10 200 V __ __ C
12	300	10,6	804	604	417	AL18 12 200 V __ __ C
14	350	12,3	938	704	487	AL18 14 200 V __ __ C
16	400	14,1	1072	805	556	AL18 16 200 V __ __ C
18	450	15,9	1206	905	626	AL18 18 200 V __ __ C
20	500	17,6	1340	1006	695	AL18 20 200 V __ __ C
22	550	19,4	1474	1107	765	AL18 22 200 V __ __ C
24	600	21,2	1608	1207	834	AL18 24 200 V __ __ C
26	650	22,9	1742	1308	904	AL18 26 200 V __ __ C
28	700	24,7	1876	1409	973	AL18 28 200 V __ __ C
30	750	26,5	2010	1509	1043	AL18 30 200 V __ __ C
38	950	33,5	2546	1912	1321	AL18 38 200 V __ __ C

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	200	8,7	658	493	339	AL18 08 250 V __ __ C
9	225	9,8	740	554	382	AL18 09 250 V __ __ C
10	250	10,9	822	616	424	AL18 10 250 V __ __ C
12	300	13,1	986	739	509	AL18 12 250 V __ __ C
14	350	15,3	1151	862	594	AL18 14 250 V __ __ C
16	400	17,5	1315	985	679	AL18 16 250 V __ __ C
18	450	19,7	1480	1108	764	AL18 18 250 V __ __ C
20	500	21,8	1644	1232	849	AL18 20 250 V __ __ C
22	550	24,0	1808	1355	934	AL18 22 250 V __ __ C
24	600	26,2	1973	1478	1018	AL18 24 250 V __ __ C
26	650	28,4	2137	1601	1103	AL18 26 250 V __ __ C
28	700	30,6	2302	1724	1188	AL18 28 250 V __ __ C
30	750	32,8	2466	1847	1273	AL18 30 250 V __ __ C
38	950	41,5	3124	2340	1612	AL18 38 250 V __ __ C

HOW TO ORDER THE ALICE 18 VERTICAL RADIATOR

Radiator model E.g.: ALICE 18 VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V08	Color code Es: R01 - White	Constant value
AL18	24	080	V08	R01	C

Example of article code creation

AL18 ALICE 18 VERTICAL
24 24 Elements
080 Height 800 mm
V08 Connection V08 (see product page)
R01 Color R01 - White (see color chart)
C Constant value

The article code will be:
AL18 24 080 V08 R01 C

ALICE 18

HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,211	0,252	0,294	0,336	0,378	0,462	0,546	0,630	0,672
Water content [lt]	0,110	0,130	0,151	0,171	0,191	0,231	0,271	0,311	0,332
Element surface [m²]	0,027	0,033	0,039	0,044	0,050	0,061	0,073	0,084	0,090
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	0,714	0,756	0,798	0,840	0,882	0,924	0,966	1,008	1,092
Water content [lt]	0,352	0,372	0,392	0,412	0,432	0,452	0,472	0,492	0,533
Element surface [m²]	0,095	0,101	0,106	0,112	0,118	0,123	0,129	0,135	0,146
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470

AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 18 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

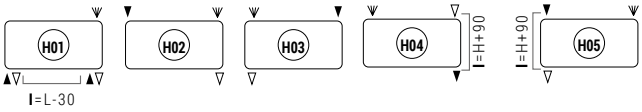
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

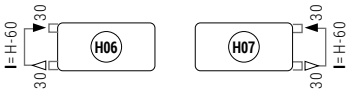
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



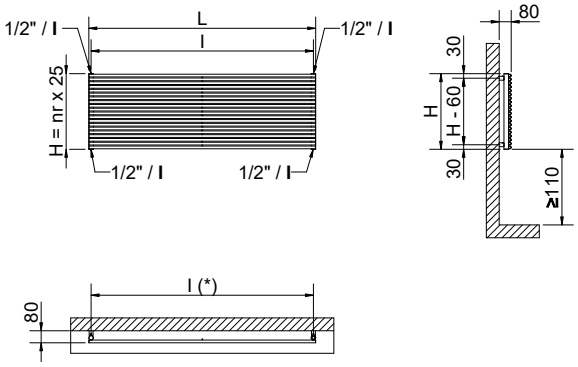
SPECIAL CONNECTIONS



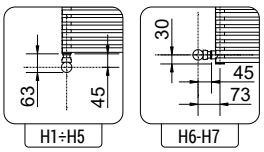
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

All intermediate sizes for heights from 5 to 70 elements and widths from 400 to 2500 mm

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
125	5	72	90	108	126	144	181	217	253	271	96	1,2304
150	6	90	112	135	157	179	224	269	314	336	120	1,2314
175	7	107	134	161	188	215	268	322	375	402	143	1,2324
200	8	125	156	187	219	250	312	375	437	468	166	1,2334
225	9	142	178	214	249	285	356	427	499	534	190	1,2344
250	10	160	200	240	280	320	400	479	559	599	213	1,2354
275	11	177	221	265	310	354	442	531	619	664	235	1,2364
300	12	194	242	291	339	388	485	582	678	727	258	1,2374
325	13	210	263	316	368	421	526	631	736	789	279	1,2384
350	14	227	283	340	397	453	567	680	793	850	301	1,2394
375	15	242	303	364	424	485	606	727	849	909	322	1,2404
400	16	258	322	387	451	516	645	774	903	967	342	1,2414
425	17	273	341	409	477	546	682	819	955	1023	362	1,2424
450	18	287	359	431	503	575	719	862	1006	1078	381	1,2407
475	19	302	377	452	528	603	754	905	1055	1131	400	1,2424
500	20	315	394	473	552	630	788	946	1103	1182	417	1,2442
525	21	328	411	493	575	657	821	985	1149	1232	434	1,2459
550	22	341	426	512	597	682	853	1023	1194	1279	451	1,2476
575	23	353	442	530	618	707	884	1060	1237	1325	467	1,2493
600	24	365	457	548	639	730	913	1096	1278	1370	482	1,2528
625	25	377	471	565	659	753	941	1130	1318	1412	496	1,2545
650	26	387	484	581	678	775	969	1162	1356	1453	510	1,2545
675	27	398	497	597	696	796	995	1194	1392	1492	524	1,2550
700	28	408	510	612	714	816	1020	1223	1427	1529	537	1,2555
725	29	417	522	626	730	835	1043	1252	1461	1565	549	1,2560
750	30	426	533	640	746	853	1066	1279	1492	1599	561	1,2564
800	32	443	554	665	776	886	1108	1330	1551	1662	583	1,2574
850	34	458	573	688	802	917	1146	1375	1604	1719	602	1,2593
900	36	472	590	708	826	944	1180	1416	1652	1770	619	1,2612
950	38	484	605	726	847	968	1210	1452	1693	1814	635	1,2630
1000	40	494	618	741	865	989	1236	1483	1730	1854	648	1,2649
1050	42	503	629	755	881	1007	1258	1510	1762	1887	659	1,2674
1125	45	514	643	771	900	1029	1286	1543	1800	1929	672	1,2704
1250	50	527	658	790	921	1053	1316	1580	1843	1974	686	1,2754
1375	55	532	665	798	931	1064	1330	1596	1862	1995	691	1,2804
1500	60	568	711	853	995	1137	1421	1705	1989	2132	737	1,2854
1625	65	586	733	879	1026	1172	1465	1758	2051	2198	758	1,2904
1750	70	602	753	904	1054	1205	1506	1807	2108	2259	777	1,2954

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
125	5	289	307	325	343	361	379	397	415	452	96	1,2304
150	6	359	381	404	426	448	471	493	516	561	120	1,2314
175	7	429	456	483	510	536	563	590	617	671	143	1,2324
200	8	500	531	562	593	624	656	687	718	781	166	1,2334
225	9	570	605	641	677	712	748	783	819	890	190	1,2344
250	10	639	679	719	759	799	839	879	919	999	213	1,2354
275	11	708	752	796	841	885	929	973	1018	1106	235	1,2364
300	12	775	824	872	921	969	1018	1066	1115	1212	258	1,2374
325	13	842	894	947	999	1052	1105	1157	1210	1315	279	1,2384
350	14	906	963	1020	1076	1133	1190	1246	1303	1416	301	1,2394
375	15	970	1030	1091	1152	1212	1273	1333	1394	1515	322	1,2404
400	16	1032	1096	1160	1225	1289	1354	1418	1483	1612	342	1,2414
425	17	1091	1160	1228	1296	1364	1432	1501	1569	1705	362	1,2424
450	18	1150	1222	1293	1365	1437	1509	1581	1653	1797	381	1,2407
475	19	1206	1281	1357	1432	1508	1583	1658	1734	1885	400	1,2424
500	20	1261	1340	1418	1497	1576	1655	1734	1812	1970	417	1,2442
525	21	1314	1396	1478	1560	1642	1724	1806	1888	2053	434	1,2459
550	22	1364	1450	1535	1620	1706	1791	1876	1961	2132	451	1,2476
575	23	1414	1502	1590	1679	1767	1855	1944	2032	2209	467	1,2493
600	24	1461	1552	1643	1735	1826	1917	2009	2100	2283	482	1,2528
625	25	1506	1600	1694	1788	1883	1977	2071	2165	2353	496	1,2545
650	26	1550	1646	1743	1840	1937	2034	2131	2228	2421	510	1,2545
675	27	1591	1691	1790	1890	1989	2089	2188	2288	2487	524	1,2550
700	28	1631	1733	1835	1937	2039	2141	2243	2345	2549	537	1,2555
725	29	1669	1774	1878	1982	2087	2191	2295	2400	2608	549	1,2560
750	30	1705	1812	1919	2025	2132	2238	2345	2452	2665	561	1,2564
800	32	1773	1884	1994	2105	2216	2327	2438	2548	2770	583	1,2574
850	34	1833	1948	2063	2177	2292	2406	2521	2636	2865	602	1,2593
900	36	1888	2005	2123	2241	2359	2477	2595	2713	2949	619	1,2612
950	38	1935	2056	2177	2298	2419	2540	2661	2782	3024	635	1,2630
1000	40	1977	2101	2224	2348	2471	2595	2719	2842	3089	648	1,2649
1050	42	2013	2139	2265	2391	2517	2642	2768	2894	3146	659	1,2674
1125	45	2057	2186	2314	2443	2572	2700	2829	2957	3215	672	1,2704
1250	50	2106	2238	2369	2501	2633	2764	2896	3027	3291	686	1,2754
1375	55	2128	2261	2394	2527	2660	2793	2926	3059	3325	691	1,2804
1500	60	2274	2416	2558	2700	2842	2984	3126	3268	3553	737	1,2854
1625	65	2344	2491	2637	2784	2930	3077	3223	3370	3663	758	1,2904
1750	70	2410	2560	2711	2861	3012	3163	3313	3464	3765	777	1,2954

ALICE 18

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 400 mm							
16	400	1,2414	3,4	258	196	137	AL18 16 040 H __ __ C
	500	1,2414	4,0	322	244	171	AL18 16 050 H __ __ C
	600	1,2414	4,7	387	293	205	AL18 16 060 H __ __ C
	700	1,2414	5,4	451	342	239	AL18 16 070 H __ __ C
	800	1,2414	6,0	516	391	274	AL18 16 080 H __ __ C
	1000	1,2414	7,4	645	489	342	AL18 16 100 H __ __ C
	1200	1,2414	8,7	774	587	411	AL18 16 120 H __ __ C
	1400	1,2414	10,1	903	685	479	AL18 16 140 H __ __ C
	1500	1,2414	10,8	967	733	513	AL18 16 150 H __ __ C
	1600	1,2414	11,4	1032	782	547	AL18 16 160 H __ __ C
	1700	1,2414	12,1	1096	831	581	AL18 16 170 H __ __ C
	1800	1,2414	12,8	1160	879	615	AL18 16 180 H __ __ C
	1900	1,2414	13,4	1225	929	650	AL18 16 190 H __ __ C
	2000	1,2414	14,1	1289	977	684	AL18 16 200 H __ __ C
	2100	1,2414	14,8	1354	1026	718	AL18 16 210 H __ __ C
	2200	1,2414	15,5	1418	1075	752	AL18 16 220 H __ __ C
	2300	1,2414	16,1	1483	1124	787	AL18 16 230 H __ __ C
	2500	1,2414	30,7	1612	1222	855	AL18 16 250 H __ __ C
H 500 mm							
20	400	1,2442	4,2	315	239	167	AL18 20 040 H __ __ C
	500	1,2442	5,0	394	298	209	AL18 20 050 H __ __ C
	600	1,2442	5,9	473	358	251	AL18 20 060 H __ __ C
	700	1,2442	6,7	552	418	292	AL18 20 070 H __ __ C
	800	1,2442	7,6	630	477	334	AL18 20 080 H __ __ C
	1000	1,2442	9,2	788	597	417	AL18 20 100 H __ __ C
	1200	1,2442	10,9	946	717	501	AL18 20 120 H __ __ C
	1400	1,2442	12,6	1103	836	584	AL18 20 140 H __ __ C
	1500	1,2442	13,4	1182	895	626	AL18 20 150 H __ __ C
	1600	1,2442	14,3	1261	955	668	AL18 20 160 H __ __ C
	1700	1,2442	15,1	1340	1015	710	AL18 20 170 H __ __ C
	1800	1,2442	16,0	1418	1074	751	AL18 20 180 H __ __ C
	1900	1,2442	16,8	1497	1134	793	AL18 20 190 H __ __ C
	2000	1,2442	17,6	1576	1194	835	AL18 20 200 H __ __ C
	2100	1,2442	18,5	1655	1254	877	AL18 20 210 H __ __ C
	2200	1,2442	19,3	1734	1314	918	AL18 20 220 H __ __ C
	2300	1,2442	20,2	1812	1373	960	AL18 20 230 H __ __ C
	2500	1,2442	38,4	1970	1492	1043	AL18 20 250 H __ __ C
H 550 mm							
22	400	1,2476	4,6	341	258	180	AL18 22 040 H __ __ C
	500	1,2476	5,5	426	322	225	AL18 22 050 H __ __ C
	600	1,2476	6,5	512	388	271	AL18 22 060 H __ __ C
	700	1,2476	7,4	597	452	316	AL18 22 070 H __ __ C
	800	1,2476	8,3	682	516	361	AL18 22 080 H __ __ C
	1000	1,2476	10,2	853	646	451	AL18 22 100 H __ __ C
	1200	1,2476	12,0	1023	774	541	AL18 22 120 H __ __ C
	1400	1,2476	13,9	1194	904	631	AL18 22 140 H __ __ C
	1500	1,2476	14,8	1279	968	676	AL18 22 150 H __ __ C
	1600	1,2476	15,7	1364	1033	721	AL18 22 160 H __ __ C
	1700	1,2476	16,6	1450	1098	767	AL18 22 170 H __ __ C
	1800	1,2476	17,6	1535	1162	812	AL18 22 180 H __ __ C
	1900	1,2476	18,5	1620	1226	857	AL18 22 190 H __ __ C
	2000	1,2476	19,4	1706	1291	902	AL18 22 200 H __ __ C
	2100	1,2476	20,3	1791	1356	947	AL18 22 210 H __ __ C
	2200	1,2476	21,3	1876	1420	992	AL18 22 220 H __ __ C
	2300	1,2476	22,2	1961	1484	1037	AL18 22 230 H __ __ C
	2500	1,2476	42,2	2132	1614	1127	AL18 22 250 H __ __ C

ALICE 18

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 600 mm							
24	400	1,2528	5,1	365	276	192	AL18 24 040 H __ __ C
	500	1,2528	6,0	457	346	241	AL18 24 050 H __ __ C
	600	1,2528	7,1	548	414	289	AL18 24 060 H __ __ C
	700	1,2528	8,1	639	483	337	AL18 24 070 H __ __ C
	800	1,2528	9,1	730	552	385	AL18 24 080 H __ __ C
	1000	1,2528	11,1	913	690	481	AL18 24 100 H __ __ C
	1200	1,2528	13,1	1096	829	578	AL18 24 120 H __ __ C
	1400	1,2528	15,1	1278	966	674	AL18 24 140 H __ __ C
	1500	1,2528	16,1	1370	1036	722	AL18 24 150 H __ __ C
	1600	1,2528	17,1	1461	1105	770	AL18 24 160 H __ __ C
	1700	1,2528	18,1	1552	1173	818	AL18 24 170 H __ __ C
	1800	1,2528	19,2	1643	1242	866	AL18 24 180 H __ __ C
	1900	1,2528	20,2	1735	1312	915	AL18 24 190 H __ __ C
	2000	1,2528	21,2	1826	1381	963	AL18 24 200 H __ __ C
	2100	1,2528	22,2	1917	1449	1011	AL18 24 210 H __ __ C
	2200	1,2528	23,2	2009	1519	1059	AL18 24 220 H __ __ C
	2300	1,2528	24,2	2100	1588	1107	AL18 24 230 H __ __ C
	2500	1,2528	46,1	2283	1726	1204	AL18 24 250 H __ __ C
H 650 mm							
26	400	1,2545	5,5	387	293	204	AL18 26 040 H __ __ C
	500	1,2545	6,6	484	366	255	AL18 26 050 H __ __ C
	600	1,2545	7,6	581	439	306	AL18 26 060 H __ __ C
	700	1,2545	8,7	678	512	357	AL18 26 070 H __ __ C
	800	1,2545	9,8	775	586	408	AL18 26 080 H __ __ C
	1000	1,2545	12,0	969	732	511	AL18 26 100 H __ __ C
	1200	1,2545	14,2	1162	878	612	AL18 26 120 H __ __ C
	1400	1,2545	16,4	1356	1025	714	AL18 26 140 H __ __ C
	1500	1,2545	17,5	1453	1098	766	AL18 26 150 H __ __ C
	1600	1,2545	18,6	1550	1172	817	AL18 26 160 H __ __ C
	1700	1,2545	19,7	1646	1244	867	AL18 26 170 H __ __ C
	1800	1,2545	20,7	1743	1317	918	AL18 26 180 H __ __ C
	1900	1,2545	21,8	1840	1391	969	AL18 26 190 H __ __ C
	2000	1,2545	22,9	1937	1464	1021	AL18 26 200 H __ __ C
	2100	1,2545	24,0	2034	1537	1072	AL18 26 210 H __ __ C
	2200	1,2545	25,1	2131	1611	1123	AL18 26 220 H __ __ C
	2300	1,2545	26,2	2228	1684	1174	AL18 26 230 H __ __ C
	2500	1,2545	49,9	2421	1830	1276	AL18 26 250 H __ __ C
H 700 mm							
28	400	1,2555	5,9	408	308	215	AL18 28 040 H __ __ C
	500	1,2555	7,1	510	385	269	AL18 28 050 H __ __ C
	600	1,2555	8,2	612	462	322	AL18 28 060 H __ __ C
	700	1,2555	9,4	714	540	376	AL18 28 070 H __ __ C
	800	1,2555	10,6	816	617	430	AL18 28 080 H __ __ C
	1000	1,2555	12,9	1020	771	537	AL18 28 100 H __ __ C
	1200	1,2555	15,3	1223	924	644	AL18 28 120 H __ __ C
	1400	1,2555	17,6	1427	1078	751	AL18 28 140 H __ __ C
	1500	1,2555	18,8	1529	1155	805	AL18 28 150 H __ __ C
	1600	1,2555	20,0	1631	1232	859	AL18 28 160 H __ __ C
	1700	1,2555	21,2	1733	1310	913	AL18 28 170 H __ __ C
	1800	1,2555	22,3	1835	1387	966	AL18 28 180 H __ __ C
	1900	1,2555	23,5	1937	1464	1020	AL18 28 190 H __ __ C
	2000	1,2555	24,7	2039	1541	1074	AL18 28 200 H __ __ C
	2100	1,2555	25,9	2141	1618	1127	AL18 28 210 H __ __ C
	2200	1,2555	27,0	2243	1695	1181	AL18 28 220 H __ __ C
	2300	1,2555	28,2	2345	1772	1235	AL18 28 230 H __ __ C
	2500	1,2555	53,8	2549	1926	1342	AL18 28 250 H __ __ C

HOW TO ORDER THE ALICE 18 HORIZONTAL RADIATOR

Radiator model E.g.: Alice 18 horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1600 mm	Connection code Example: connection H07	Color code Es: R01 - White	Constant value
AL18	12	160	H07	R01	C

Example of article code creation

AL18 ALICE 18 HORIZONTAL
12 12 Elements
160 Width 1600 mm
H07 Connection H07 (see product page)
R01 Color R01 - White (see color chart)
C Constant value

AL18 12 160 H07 R01 C

ALICE 18

TANDEM VERTICAL

WARRANTY **5 YEARS**



MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 18 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	29	30,6	34,2	35,7	44,2	45,6	50,4	53,7	62,8
Therm. output per el. Δt = 30 °C [Watt]	15,6	16,3	18,1	18,9	22,9	23,6	25,8	27,5	32,2
Dry Weight per element [kg]	0,462	0,487	0,546	0,571	0,714	0,739	0,823	0,882	1,050
Water content [lt]	0,231	0,246	0,271	0,283	0,352	0,364	0,404	0,432	0,512
Element surface [m²]	0,061	0,065	0,073	0,076	0,095	0,990	0,110	0,118	0,140
Exponent **n**	1,2196	1,2263	1,2420	1,2488	1,2870	1,2937	1,3095	1,3095	1,3097
Pipe Centres I [mm] (V3-V4 only)	**470**	**500**	**570**	**600**	**770**	**800**	**900**	**970**	**1170**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	71,5	79,8	87,7	91,6	95,3	99	102,6	106,2	113
Therm. output per el. Δt = 30 °C [Watt]	36,6	40,8	44,9	46,9	48,8	50,7	52,5	54,3	57,8
Dry Weight per element [kg]	1,218	1,385	1,553	1,637	1,721	1,805	1,889	1,973	2,141
Water content [lt]	0,593	0,673	0,754	0,794	0,834	0,874	0,915	0,955	1,035
Element surface [m²]	0,163	0,186	0,208	0,220	0,231	0,242	0,254	0,265	0,287
Exponent **n**	1,3099	1,3101	1,3104	1,3106	1,3107	1,3109	1,3111	1,3112	1,3116
Pipe Centres I [mm] (V3-V4 only)	**1370**	**1570**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

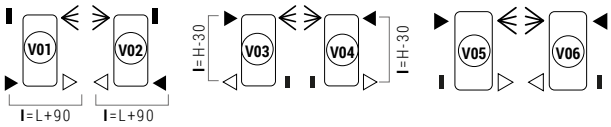
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

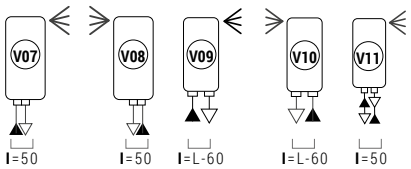
CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



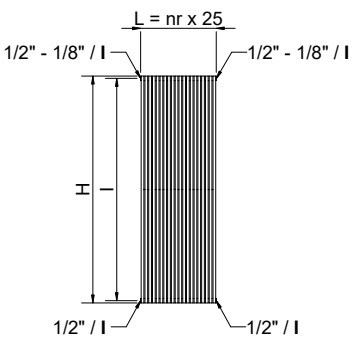
SPECIAL CONNECTIONS

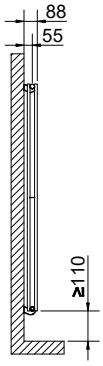


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

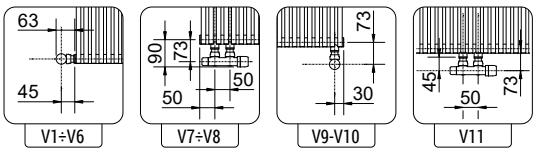
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

Height H [mm]		500	530	600	630	800	830	930	1000	1200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
125	**5**	145	153	171	179	221	228	252	268	314
150	**6**	174	183	205	214	265	274	302	322	377
175	**7**	203	214	239	250	309	319	353	376	439
200	**8**	232	245	273	286	353	365	403	430	502
225	**9**	261	275	308	321	398	411	454	483	565
250	**10**	290	306	342	357	442	456	504	537	628
275	**11**	319	336	376	393	486	502	555	591	691
300	**12**	348	367	410	429	530	548	605	644	753
325	**13**	377	397	444	464	574	593	655	698	816
350	**14**	406	428	479	500	618	639	706	752	879
375	**15**	435	458	513	536	663	684	756	805	942
400	**16**	464	489	547	571	707	730	807	859	1004
425	**17**	493	520	581	607	751	776	857	913	1067
450	**18**	522	550	615	643	795	821	907	966	1130
475	**19**	551	581	650	679	839	867	958	1020	1193
500	**20**	580	611	684	714	883	913	1008	1074	1256
525	**21**	609	642	718	750	928	958	1059	1128	1318
550	**22**	638	672	752	786	972	1004	1109	1181	1381
575	**23**	667	703	786	821	1016	1050	1159	1235	1444
600	**24**	696	734	820	857	1060	1095	1210	1289	1507
625	**25**	725	764	855	893	1104	1141	1260	1342	1569
650	**26**	754	795	889	929	1149	1186	1311	1396	1632
675	**27**	783	825	923	964	1193	1232	1361	1450	1695
700	**28**	812	856	957	1000	1237	1278	1412	1503	1758
725	**29**	841	886	991	1036	1281	1323	1462	1557	1820
750	**30**	870	917	1026	1071	1325	1369	1512	1611	1883
775	**31**	899	948	1060	1107	1369	1415	1563	1664	1946
800	**32**	928	978	1094	1143	1414	1460	1613	1718	2009
825	**33**	957	1009	1128	1179	1458	1506	1664	1772	2072
850	**34**	986	1039	1162	1214	1502	1551	1714	1825	2134
875	**35**	1015	1070	1196	1250	1546	1597	1764	1879	2197
900	**36**	1044	1100	1231	1286	1590	1643	1815	1933	2260
925	**37**	1073	1131	1265	1321	1634	1688	1865	1987	2323
950	**38**	1102	1161	1299	1357	1679	1734	1916	2040	2385
975	**39**	1131	1192	1333	1393	1723	1780	1966	2094	2448
1000	**40**	1160	1223	1367	1429	1767	1825	2016	2148	2511



Replacement heights are marked in grey color.

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
125	**5**	357	399	439	458	477	495	513	531	565
150	**6**	429	479	526	549	572	594	616	637	678
175	**7**	500	558	614	641	667	693	718	743	791
200	**8**	572	638	702	733	763	792	821	849	904
225	**9**	643	718	789	824	858	891	924	955	1017
250	**10**	715	798	877	916	953	990	1026	1062	1130
275	**11**	786	877	965	1007	1049	1089	1129	1168	1243
300	**12**	858	957	1053	1099	1144	1188	1232	1274	1356
325	**13**	929	1037	1140	1190	1239	1287	1334	1380	1469
350	**14**	1000	1117	1228	1282	1335	1386	1437	1486	1582
375	**15**	1072	1197	1316	1374	1430	1485	1539	1592	1695
400	**16**	1143	1276	1404	1465	1525	1584	1642	1699	1808
425	**17**	1215	1356	1491	1557	1621	1683	1745	1805	1921
450	**18**	1286	1436	1579	1648	1716	1782	1847	1911	2034
475	**19**	1358	1516	1667	1740	1811	1881	1950	2017	2147
500	**20**	1429	1595	1754	1831	1907	1980	2053	2123	2260
525	**21**	1501	1675	1842	1923	2002	2079	2155	2229	2373
550	**22**	1572	1755	1930	2015	2097	2178	2258	2335	2486
575	**23**	1644	1835	2018	2106	2193	2277	2360	2442	2599
600	**24**	1715	1914	2105	2198	2288	2377	2463	2548	2712
625	**25**	1787	1994	2193	2289	2383	2476	2566	2654	2825
650	**26**	1858	2074	2281	2381	2479	2575	2668	2760	2938
675	**27**	1929	2154	2368	2472	2574	2674	2771	2866	3051
700	**28**	2001	2234	2456	2564	2669	2773	2874	2972	3164
725	**29**	2072	2313	2544	2656	2765	2872	2976	3079	3277
750	**30**	2144	2393	2632	2747	2860	2971	3079	3185	3390
775	**31**	2215	2473	2719	2839	2955	3070	3181	3291	3503
800	**32**	2287	2553	2807	2930	3051	3169	3284	3397	3616
825	**33**	2358	2632	2895	3022	3146	3268	3387	3503	3729
850	**34**	2430	2712	2983	3113	3241	3367	3489	3609	3842
875	**35**	2501	2792	3070	3205	3337	3466	3592	3715	3955
900	**36**	2573	2872	3158	3297	3432	3565	3695	3822	4068
925	**37**	2644	2951	3246	3388	3527	3664	3797	3928	4181
950	**38**	2715	3031	3333	3480	3623	3763	3900	4034	4294
975	**39**	2787	3111	3421	3571	3718	3862	4002	4140	4407
1000	**40**	2858	3191	3509	3663	3813	3961	4105	4246	4520

ALICE 18

TANDEM VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output [Watt] Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
8	200	3,7	232	177	124	AT18 08 050 V __ __ C
10	250	4,6	290	221	156	AT18 10 050 V __ __ C
12	300	5,5	348	265	187	AT18 12 050 V __ __ C
14	350	6,5	406	309	218	AT18 14 050 V __ __ C
16	400	7,4	464	353	249	AT18 16 050 V __ __ C
18	450	8,3	522	398	280	AT18 18 050 V __ __ C
20	500	9,2	580	442	311	AT18 20 050 V __ __ C
22	550	10,2	638	486	342	AT18 22 050 V __ __ C
24	600	11,1	696	530	373	AT18 24 050 V __ __ C
28	700	12,9	812	619	436	AT18 28 050 V __ __ C
30	750	13,9	870	663	467	AT18 30 050 V __ __ C
36	900	16,6	1044	795	560	AT18 36 050 V __ __ C
38	950	17,6	1102	839	591	AT18 38 050 V __ __ C
40	1000	18,5	1160	884	622	AT18 40 050 V __ __ C

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output [Watt] Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
8	200	4,4	274	207	145	AT18 08 060 V __ __ C
10	250	5,5	342	259	181	AT18 10 060 V __ __ C
12	300	6,6	410	311	218	AT18 12 060 V __ __ C
14	350	7,6	479	363	254	AT18 14 060 V __ __ C
16	400	8,7	547	415	290	AT18 16 060 V __ __ C
18	450	9,8	616	467	326	AT18 18 060 V __ __ C
20	500	10,9	684	518	363	AT18 20 060 V __ __ C
22	550	12,0	752	570	399	AT18 22 060 V __ __ C
24	600	13,1	821	622	435	AT18 24 060 V __ __ C
28	700	15,3	958	726	508	AT18 28 060 V __ __ C
30	750	16,4	1026	778	544	AT18 30 060 V __ __ C
36	900	19,7	1231	933	653	AT18 36 060 V __ __ C
38	950	20,7	1300	985	689	AT18 38 060 V __ __ C
40	1000	21,8	1368	1037	725	AT18 40 060 V __ __ C

H 630 mm

8	200	4,6	286	216	151	AT18 08 063 V __ __ C
10	250	5,7	357	270	189	AT18 10 063 V __ __ C
12	300	6,9	428	324	227	AT18 12 063 V __ __ C
14	350	8,0	500	378	265	AT18 14 063 V __ __ C
16	400	9,1	571	432	302	AT18 16 063 V __ __ C
18	450	10,3	643	486	340	AT18 18 063 V __ __ C
20	500	11,4	714	540	378	AT18 20 063 V __ __ C
24	600	13,7	857	648	454	AT18 24 063 V __ __ C
26	650	14,8	928	702	491	AT18 26 063 V __ __ C
28	700	16,0	1000	756	529	AT18 28 063 V __ __ C
32	800	18,3	1142	864	605	AT18 32 063 V __ __ C
34	850	19,4	1214	918	643	AT18 34 063 V __ __ C
36	900	20,6	1285	972	680	AT18 36 063 V __ __ C
38	950	21,7	1357	1026	718	AT18 38 063 V __ __ C
40	1000	22,8	1428	1080	756	AT18 40 063 V __ __ C

H 800 mm

8	200	5,7	354	265	183	AT18 08 080 V __ __ C
10	250	7,1	442	332	229	AT18 10 080 V __ __ C
12	300	8,6	530	398	275	AT18 12 080 V __ __ C
14	350	10,0	619	464	321	AT18 14 080 V __ __ C
16	400	11,4	707	531	366	AT18 16 080 V __ __ C
18	450	12,9	796	597	412	AT18 18 080 V __ __ C
20	500	14,3	884	663	458	AT18 20 080 V __ __ C
24	600	17,1	1061	796	550	AT18 24 080 V __ __ C
26	650	18,6	1149	862	595	AT18 26 080 V __ __ C
28	700	20,0	1238	929	641	AT18 28 080 V __ __ C
32	800	22,8	1414	1061	733	AT18 32 080 V __ __ C
34	850	24,3	1503	1128	779	AT18 34 080 V __ __ C
36	900	25,7	1591	1194	825	AT18 36 080 V __ __ C
38	950	27,1	1680	1260	870	AT18 38 080 V __ __ C
40	1000	28,6	1768	1327	916	AT18 40 080 V __ __ C

H 1000 mm

14	350	12,3	752	561	385	AT18 14 100 V __ __ C
16	400	14,1	859	641	440	AT18 16 100 V __ __ C
18	450	15,9	967	722	495	AT18 18 100 V __ __ C
19	475	16,8	1020	762	523	AT18 19 100 V __ __ C
20	500	17,6	1074	802	550	AT18 20 100 V __ __ C
22	550	19,4	1181	882	605	AT18 22 100 V __ __ C
24	600	21,2	1289	962	660	AT18 24 100 V __ __ C
26	650	22,9	1396	1042	715	AT18 26 100 V __ __ C
28	700	24,7	1504	1123	770	AT18 28 100 V __ __ C
30	750	26,5	1611	1203	825	AT18 30 100 V __ __ C
34	850	30,0	1826	1363	935	AT18 34 100 V __ __ C
36	900	31,8	1933	1443	990	AT18 36 100 V __ __ C
38	950	33,5	2041	1524	1045	AT18 38 100 V __ __ C
40	1000	35,3	2148	1604	1100	AT18 40 100 V __ __ C

H 1200 mm

14	350	14,7	879	656	450	AT18 14 120 V __ __ C
16	400	16,8	1005	750	515	AT18 16 120 V __ __ C
18	450	18,9	1130	844	579	AT18 18 120 V __ __ C
19	475	20,0	1193	891	611	AT18 19 120 V __ __ C
20	500	21,0	1256	938	643	AT18 20 120 V __ __ C
22	550	23,1	1382	1031	708	AT18 22 120 V __ __ C
24	600	25,2	1507	1125	772	AT18 24 120 V __ __ C
26	650	27,3	1633	1219	836	AT18 26 120 V __ __ C
28	700	29,4	1758	1313	901	AT18 28 120 V __ __ C
30	750	31,5	1884	1407	965	AT18 30 120 V __ __ C
34	850	35,7	2135	1594	1094	AT18 34 120 V __ __ C
36	900	37,8	2261	1688	1158	AT18 36 120 V __ __ C
38	950	39,9	2386	1782	1222	AT18 38 120 V __ __ C
40	1000	42,0	2512	1875	1287	AT18 40 120 V __ __ C

ALICE 18

TANDEM VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	17,1	1001	747	513	AT18 14 140 V __ __ C
16	400	19,5	1144	854	586	AT18 16 140 V __ __ C
18	450	21,9	1287	961	659	AT18 18 140 V __ __ C
20	500	24,4	1430	1068	732	AT18 20 140 V __ __ C
22	550	26,8	1573	1174	806	AT18 22 140 V __ __ C
24	600	29,2	1716	1281	879	AT18 24 140 V __ __ C
26	650	31,7	1859	1388	952	AT18 26 140 V __ __ C
28	700	34,1	2002	1495	1025	AT18 28 140 V __ __ C
30	750	36,5	2145	1601	1099	AT18 30 140 V __ __ C
32	800	39,0	2288	1708	1172	AT18 32 140 V __ __ C
34	850	41,4	2431	1815	1245	AT18 34 140 V __ __ C
36	900	43,8	2574	1922	1318	AT18 36 140 V __ __ C
38	950	46,3	2717	2028	1392	AT18 38 140 V __ __ C
40	1000	48,7	2860	2135	1465	AT18 40 140 V __ __ C

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	19,4	1117	834	572	AT18 14 160 V __ __ C
16	400	22,2	1277	953	654	AT18 16 160 V __ __ C
18	450	24,9	1436	1072	736	AT18 18 160 V __ __ C
20	500	27,7	1596	1191	817	AT18 20 160 V __ __ C
22	550	30,5	1756	1311	899	AT18 22 160 V __ __ C
24	600	33,2	1915	1430	981	AT18 24 160 V __ __ C
26	650	36,0	2075	1549	1063	AT18 26 160 V __ __ C
28	700	38,8	2234	1668	1144	AT18 28 160 V __ __ C
30	750	41,6	2394	1787	1226	AT18 30 160 V __ __ C
32	800	44,3	2554	1906	1308	AT18 32 160 V __ __ C
34	850	47,1	2713	2025	1389	AT18 34 160 V __ __ C
36	900	49,9	2873	2145	1471	AT18 36 160 V __ __ C
38	950	52,6	3032	2264	1553	AT18 38 160 V __ __ C
40	1000	55,4	3192	2383	1635	AT18 40 160 V __ __ C

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	21,7	1228	917	629	AT18 14 180 V __ __ C
16	400	24,8	1403	1047	718	AT18 16 180 V __ __ C
17	425	26,4	1491	1113	763	AT18 17 180 V __ __ C
18	450	28,0	1579	1178	808	AT18 18 180 V __ __ C
20	500	31,1	1754	1309	898	AT18 20 180 V __ __ C
21	525	32,6	1842	1375	943	AT18 21 180 V __ __ C
22	550	34,2	1929	1440	988	AT18 22 180 V __ __ C
23	575	35,7	2017	1506	1033	AT18 23 180 V __ __ C
24	600	37,3	2105	1571	1078	AT18 24 180 V __ __ C
26	650	40,4	2280	1702	1168	AT18 26 180 V __ __ C
28	700	43,5	2456	1833	1257	AT18 28 180 V __ __ C
30	750	46,6	2631	1964	1347	AT18 30 180 V __ __ C
32	800	49,7	2806	2095	1437	AT18 32 180 V __ __ C
34	850	52,8	2982	2226	1527	AT18 34 180 V __ __ C
36	900	55,9	3157	2357	1617	AT18 36 180 V __ __ C
38	950	59,0	3333	2488	1706	AT18 38 180 V __ __ C
40	1000	62,1	3508	2619	1796	AT18 40 180 V __ __ C

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	350	24,1	1334	996	683	AT18 14 200 V __ __ C
16	400	27,5	1525	1138	781	AT18 16 200 V __ __ C
17	425	29,3	1620	1209	829	AT18 17 200 V __ __ C
18	450	31,0	1715	1280	878	AT18 18 200 V __ __ C
20	500	34,4	1906	1423	976	AT18 20 200 V __ __ C
21	525	36,1	2001	1494	1025	AT18 21 200 V __ __ C
22	550	37,9	2097	1565	1073	AT18 22 200 V __ __ C
23	575	39,6	2192	1636	1122	AT18 23 200 V __ __ C
24	600	41,3	2287	1707	1171	AT18 24 200 V __ __ C
26	650	44,7	2478	1849	1268	AT18 26 200 V __ __ C
28	700	48,2	2668	1992	1366	AT18 28 200 V __ __ C
30	750	51,6	2859	2134	1464	AT18 30 200 V __ __ C
32	800	55,1	3050	2276	1561	AT18 32 200 V __ __ C
34	850	58,5	3240	2419	1659	AT18 34 200 V __ __ C
36	900	62,0	3431	2561	1756	AT18 36 200 V __ __ C
38	950	65,4	3621	2703	1854	AT18 38 200 V __ __ C
40	1000	68,8	3812	2845	1952	AT18 40 200 V __ __ C

H 2200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
16	400	30,2	1642	1225	840	AT18 16 220 V __ __ C
18	450	34,0	1847	1378	945	AT18 18 220 V __ __ C
20	500	37,8	2052	1532	1050	AT18 20 220 V __ __ C
21	525	39,7	2155	1608	1103	AT18 21 220 V __ __ C
22	550	41,6	2257	1685	1155	AT18 22 220 V __ __ C
23	575	43,4	2360	1761	1208	AT18 23 220 V __ __ C
24	600	45,3	2462	1838	1260	AT18 24 220 V __ __ C
26	650	49,1	2668	1991	1365	AT18 26 220 V __ __ C
28	700	52,9	2873	2144	1470	AT18 28 220 V __ __ C
30	750	56,7	3078	2297	1575	AT18 30 220 V __ __ C
32	800	60,4	3283	2450	1680	AT18 32 220 V __ __ C
34	850	64,2	3488	2604	1786	AT18 34 220 V __ __ C
36	900	68,0	3694	2757	1891	AT18 36 220 V __ __ C
38	950	71,8	3899	2910	1996	AT18 38 220 V __ __ C

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
16	400	34,3	1808	1349	925	AT18 16 250 V __ __ C
18	450	38,5	2034	1518	1041	AT18 18 250 V __ __ C
20	500	42,8	2260	1687	1157	AT18 20 250 V __ __ C
21	525	45,0	2373	1771	1214	AT18 21 250 V __ __ C
22	550	47,1	2486	1855	1272	AT18 22 250 V __ __ C
23	575	49,2	2599	1940	1330	AT18 23 250 V __ __ C
24	600	51,4	2712	2024	1388	AT18 24 250 V __ __ C
26	650	55,7	2938	2193	1504	AT18 26 250 V __ __ C
28	700	59,9	3164	2361	1619	AT18 28 250 V __ __ C
30	750	64,2	3390	2530	1735	AT18 30 250 V __ __ C
32	800	68,5	3616	2699	1851	AT18 32 250 V __ __ C
34	850	72,8	3842	2867	1966	AT18 34 250 V __ __ C
36	900	77,1	4068	3036	2082	AT18 36 250 V __ __ C
38	950	81,4	4294	3205	2198	AT18 38 250 V __ __ C

HOW TO ORDER THE ALICE 18 VERTICAL RADIATOR

Radiator model E.g.: ALICE 18 TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V08	Color code Es: R01 - White	Constant value
AT18	24	080	V08	R01	C

Example of article code creation

AT18 ALICE 18 TANDEM VERTICAL
24 24 Elements
080 Height 800 mm
V08 connection V08 (see product page)
R01 color R01 - White (see color chart)
C Constant value

The article code will be:
AT18 24 080 V08 R01 C

ALICE 18

TANDEM HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,378	0,462	0,546	0,630	0,714	0,882	1,050	1,218	1,302
Water content [lt]	0,191	0,231	0,271	0,311	0,352	0,432	0,512	0,593	0,633
Element surface [m²]	0,050	0,061	0,073	0,084	0,095	0,118	0,140	0,163	0,174
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	1,385	1,469	1,553	1,637	1,721	1,805	1,889	1,973	2,141
Water content [lt]	0,673	0,714	0,754	0,794	0,834	0,874	0,915	0,955	1,035
Element surface [m²]	0,186	0,197	0,208	0,220	0,231	0,242	0,254	0,265	0,287
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 18 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

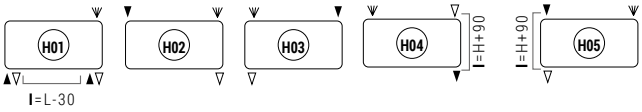
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

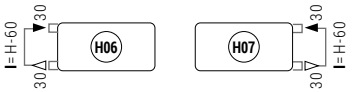
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



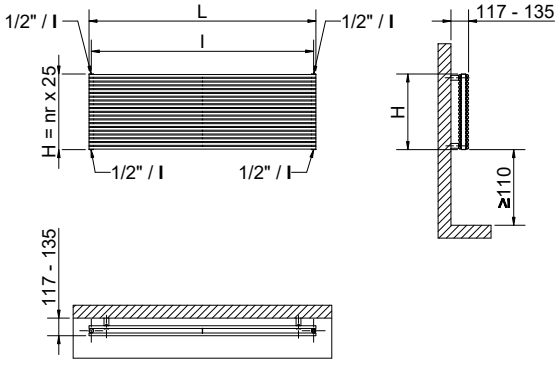
SPECIAL CONNECTIONS



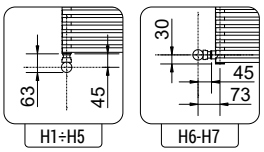
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

All intermediate sizes for heights from 5 to 40 Elements and widths from 400 to 2500 mm.

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
125	5	196	245	294	343	392	490	588	685	734	270	1,1615
150	6	222	277	333	388	444	555	666	777	832	305	1,1690
175	7	246	308	370	431	493	616	739	863	924	338	1,1765
200	8	270	337	405	472	539	674	809	944	1011	368	1,1840
225	9	292	365	438	511	584	729	875	1021	1094	397	1,1915
250	10	313	391	469	547	626	782	939	1095	1173	424	1,1990
275	11	333	416	500	583	666	833	999	1166	1249	449	1,2065
300	12	352	440	528	617	705	881	1057	1233	1321	474	1,2140
325	13	371	464	556	649	742	927	1113	1298	1391	497	1,2215
350	14	389	486	583	681	778	972	1167	1361	1458	519	1,2290
375	15	406	508	609	711	812	1015	1218	1422	1523	540	1,2365
400	16	423	529	634	740	846	1057	1269	1480	1586	560	1,2440
425	17	439	549	659	768	878	1098	1317	1537	1646	579	1,2515
450	18	455	568	682	796	909	1137	1364	1591	1705	598	1,2589
475	19	470	587	705	822	940	1175	1409	1644	1762	615	1,2664
500	20	484	606	727	848	969	1211	1453	1696	1817	632	1,2739
525	21	499	623	748	873	997	1247	1496	1745	1870	648	1,2814
550	22	512	641	769	897	1025	1281	1537	1794	1922	663	1,2889
575	23	526	657	789	920	1052	1315	1578	1841	1972	678	1,2964
600	24	539	674	808	943	1078	1347	1617	1886	2021	692	1,3039
625	25	552	690	827	965	1103	1379	1655	1931	2069	706	1,3114
650	26	564	705	846	987	1128	1410	1692	1974	2115	719	1,3189
675	27	576	720	864	1008	1152	1440	1728	2015	2159	742	1,2988
700	28	587	734	881	1028	1175	1469	1762	2056	2203	764	1,2787
725	29	599	749	898	1048	1198	1497	1796	2096	2246	787	1,2586
750	30	610	762	915	1067	1220	1525	1829	2134	2287	810	1,2385
775	31	621	776	931	1086	1241	1551	1862	2172	2327	833	1,2184
800	32	631	789	946	1104	1262	1577	1893	2208	2366	855	1,1983
825	33	641	801	962	1122	1282	1603	1923	2244	2404	868	1,2017
850	34	651	814	977	1139	1302	1628	1953	2279	2441	879	1,2051
875	35	661	826	991	1156	1321	1652	1982	2312	2477	891	1,2085
900	36	670	838	1005	1173	1340	1675	2010	2345	2513	902	1,2119
925	37	679	849	1019	1189	1358	1698	2037	2377	2547	913	1,2154
950	38	688	860	1032	1204	1376	1720	2064	2408	2580	923	1,2188
975	39	697	871	1045	1219	1393	1742	2090	2439	2613	933	1,2222
1000	40	705	881	1058	1234	1410	1763	2115	2468	2644	943	1,2256

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
125	5	783	832	881	930	979	1028	1077	1126	1224	270	1,1615
150	6	888	943	999	1054	1110	1165	1221	1276	1387	305	1,1690
175	7	986	1048	1109	1171	1232	1294	1356	1417	1541	338	1,1765
200	8	1079	1146	1214	1281	1348	1416	1483	1551	1686	368	1,1840
225	9	1167	1240	1313	1386	1459	1532	1605	1678	1824	397	1,1915
250	10	1251	1330	1408	1486	1564	1642	1721	1799	1955	424	1,1990
275	11	1332	1415	1499	1582	1665	1748	1832	1915	2081	449	1,2065
300	12	1409	1497	1585	1674	1762	1850	1938	2026	2202	474	1,2140
325	13	1484	1577	1669	1762	1855	1948	2040	2133	2319	497	1,2215
350	14	1556	1653	1750	1847	1944	2042	2139	2236	2431	519	1,2290
375	15	1625	1726	1828	1929	2031	2132	2234	2335	2539	540	1,2365
400	16	1692	1797	1903	2009	2114	2220	2326	2432	2643	560	1,2440
425	17	1756	1866	1976	2085	2195	2305	2415	2524	2744	579	1,2515
450	18	1819	1932	2046	2160	2273	2387	2501	2614	2842	598	1,2589
475	19	1879	1997	2114	2232	2349	2466	2584	2701	2936	615	1,2664
500	20	1938	2059	2180	2301	2422	2543	2664	2786	3028	632	1,2739
525	21	1995	2119	2244	2369	2493	2618	2743	2867	3117	648	1,2814
550	22	2050	2178	2306	2434	2562	2691	2819	2947	3203	663	1,2889
575	23	2104	2235	2367	2498	2630	2761	2893	3024	3287	678	1,2964
600	24	2156	2290	2425	2560	2695	2829	2964	3099	3368	692	1,3039
625	25	2206	2344	2482	2620	2758	2896	3034	3172	3448	706	1,3114
650	26	2256	2396	2537	2678	2819	2960	3101	3242	3524	719	1,3189
675	27	2303	2447	2591	2735	2879	3023	3167	3311	3599	742	1,2988
700	28	2350	2497	2644	2791	2937	3084	3231	3378	3672	764	1,2787
725	29	2395	2545	2695	2844	2994	3144	3293	3443	3743	787	1,2586
750	30	2439	2592	2744	2897	3049	3201	3354	3506	3811	810	1,2385
775	31	2482	2637	2792	2947	3103	3258	3413	3568	3878	833	1,2184
800	32	2524	2682	2839	2997	3155	3313	3470	3628	3944	855	1,1983
825	33	2564	2725	2885	3045	3206	3366	3526	3686	4007	868	1,2017
850	34	2604	2767	2930	3092	3255	3418	3581	3743	4069	879	1,2051
875	35	2643	2808	2973	3138	3303	3468	3634	3799	4129	891	1,2085
900	36	2680	2848	3015	3183	3350	3518	3685	3853	4188	902	1,2119
925	37	2717	2886	3056	3226	3396	3566	3735	3905	4245	913	1,2154
950	38	2752	2924	3096	3268	3440	3612	3784	3956	4300	923	1,2188
975	39	2787	2961	3135	3309	3484	3658	3832	4006	4355	933	1,2222
1000	40	2821	2997	3173	3350	3526	3702	3878	4055	4407	943	1,2256

ALICE 18

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 400 mm							
16	400	1,2440	6,0	423	320	224	AT18 16 040 H __ __ C
	500	1,2440	7,4	529	401	280	AT18 16 050 H __ __ C
	600	1,2440	8,7	634	480	336	AT18 16 060 H __ __ C
	700	1,2440	10,1	740	561	392	AT18 16 070 H __ __ C
	800	1,2440	11,4	846	641	448	AT18 16 080 H __ __ C
	1000	1,2440	14,1	1057	801	560	AT18 16 100 H __ __ C
	1200	1,2440	16,8	1269	961	672	AT18 16 120 H __ __ C
	1400	1,2440	19,5	1480	1121	784	AT18 16 140 H __ __ C
	1500	1,2440	20,8	1586	1202	840	AT18 16 150 H __ __ C
	1600	1,2440	22,2	1692	1282	896	AT18 16 160 H __ __ C
	1700	1,2440	23,5	1797	1361	952	AT18 16 170 H __ __ C
	1800	1,2440	24,8	1903	1442	1008	AT18 16 180 H __ __ C
	1900	1,2440	26,2	2009	1522	1064	AT18 16 190 H __ __ C
	2000	1,2440	27,5	2114	1602	1120	AT18 16 200 H __ __ C
	2100	1,2440	28,9	2220	1682	1176	AT18 16 210 H __ __ C
	2200	1,2440	30,2	2326	1762	1232	AT18 16 220 H __ __ C
	2300	1,2440	31,6	2432	1843	1288	AT18 16 230 H __ __ C
	2500	1,2440	34,3	2643	2002	1400	AT18 16 250 H __ __ C
H 500 mm							
20	400	1,2739	7,6	484	364	252	AT18 20 040 H __ __ C
	500	1,2739	9,2	606	456	316	AT18 20 050 H __ __ C
	600	1,2739	10,9	727	547	379	AT18 20 060 H __ __ C
	700	1,2739	12,6	848	638	442	AT18 20 070 H __ __ C
	800	1,2739	14,3	969	729	505	AT18 20 080 H __ __ C
	1000	1,2739	17,6	1211	911	632	AT18 20 100 H __ __ C
	1200	1,2739	21,0	1453	1093	758	AT18 20 120 H __ __ C
	1400	1,2739	24,4	1696	1276	885	AT18 20 140 H __ __ C
	1500	1,2739	26,0	1817	1367	948	AT18 20 150 H __ __ C
	1600	1,2739	27,7	1938	1458	1011	AT18 20 160 H __ __ C
	1700	1,2739	29,4	2059	1550	1074	AT18 20 170 H __ __ C
	1800	1,2739	31,1	2180	1641	1137	AT18 20 180 H __ __ C
	1900	1,2739	32,7	2301	1732	1200	AT18 20 190 H __ __ C
	2000	1,2739	34,4	2422	1823	1263	AT18 20 200 H __ __ C
	2100	1,2739	36,1	2543	1914	1327	AT18 20 210 H __ __ C
	2200	1,2739	37,8	2664	2005	1390	AT18 20 220 H __ __ C
	2300	1,2739	39,5	2786	2097	1453	AT18 20 230 H __ __ C
	2500	1,2739	42,8	3028	2279	1580	AT18 20 250 H __ __ C
H 550 mm							
22	400	1,2889	8,3	512	384	265	AT18 22 040 H __ __ C
	500	1,2889	10,2	641	481	332	AT18 22 050 H __ __ C
	600	1,2889	12,0	769	577	398	AT18 22 060 H __ __ C
	700	1,2889	13,9	897	673	464	AT18 22 070 H __ __ C
	800	1,2889	15,7	1025	769	531	AT18 22 080 H __ __ C
	1000	1,2889	19,4	1281	961	663	AT18 22 100 H __ __ C
	1200	1,2889	23,1	1537	1153	796	AT18 22 120 H __ __ C
	1400	1,2889	26,8	1794	1346	929	AT18 22 140 H __ __ C
	1500	1,2889	28,6	1922	1442	995	AT18 22 150 H __ __ C
	1600	1,2889	30,5	2050	1538	1061	AT18 22 160 H __ __ C
	1700	1,2889	32,3	2178	1634	1128	AT18 22 170 H __ __ C
	1800	1,2889	34,2	2306	1730	1194	AT18 22 180 H __ __ C
	1900	1,2889	36,0	2434	1826	1260	AT18 22 190 H __ __ C
	2000	1,2889	37,9	2562	1922	1326	AT18 22 200 H __ __ C
	2100	1,2889	39,7	2691	2018	1393	AT18 22 210 H __ __ C
	2200	1,2889	41,6	2819	2114	1459	AT18 22 220 H __ __ C
	2300	1,2889	43,4	2947	2210	1526	AT18 22 230 H __ __ C
	2500	1,2889	47,1	3203	2402	1658	AT18 22 250 H __ __ C

ALICE 18

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
H 600 mm							
24	400	1,3039	9,1	539	403	277	AT18 24 040 H __ __ C
	500	1,3039	11,1	674	504	346	AT18 24 050 H __ __ C
	600	1,3039	13,1	808	604	415	AT18 24 060 H __ __ C
	700	1,3039	15,1	943	705	484	AT18 24 070 H __ __ C
	800	1,3039	17,1	1078	806	554	AT18 24 080 H __ __ C
	1000	1,3039	21,2	1347	1007	692	AT18 24 100 H __ __ C
	1200	1,3039	25,2	1617	1209	831	AT18 24 120 H __ __ C
	1400	1,3039	29,2	1886	1410	969	AT18 24 140 H __ __ C
	1500	1,3039	31,2	2021	1511	1038	AT18 24 150 H __ __ C
	1600	1,3039	33,2	2156	1612	1108	AT18 24 160 H __ __ C
	1700	1,3039	35,3	2290	1712	1176	AT18 24 170 H __ __ C
	1800	1,3039	37,3	2425	1813	1246	AT18 24 180 H __ __ C
	1900	1,3039	39,3	2560	1914	1315	AT18 24 190 H __ __ C
	2000	1,3039	41,3	2695	2015	1384	AT18 24 200 H __ __ C
	2100	1,3039	43,3	2829	2115	1453	AT18 24 210 H __ __ C
	2200	1,3039	45,3	2694	2014	1384	AT18 24 220 H __ __ C
	2300	1,3039	47,4	3099	2317	1592	AT18 24 230 H __ __ C
	2500	1,3039	51,4	3368	2518	1730	AT18 24 250 H __ __ C
H 650 mm							
26	400	1,3189	9,8	564	420	288	AT18 26 040 H __ __ C
	500	1,3189	12,0	705	525	359	AT18 26 050 H __ __ C
	600	1,3189	14,2	846	630	431	AT18 26 060 H __ __ C
	700	1,3189	16,4	987	735	503	AT18 26 070 H __ __ C
	800	1,3189	18,6	1128	840	575	AT18 26 080 H __ __ C
	1000	1,3189	22,9	1410	1051	719	AT18 26 100 H __ __ C
	1200	1,3189	27,3	1692	1261	863	AT18 26 120 H __ __ C
	1400	1,3189	31,7	1974	1471	1006	AT18 26 140 H __ __ C
	1500	1,3189	33,9	2115	1576	1078	AT18 26 150 H __ __ C
	1600	1,3189	36,0	2256	1681	1150	AT18 26 160 H __ __ C
	1700	1,3189	38,2	2396	1785	1221	AT18 26 170 H __ __ C
	1800	1,3189	40,4	2537	1890	1293	AT18 26 180 H __ __ C
	1900	1,3189	42,6	2678	1995	1365	AT18 26 190 H __ __ C
	2000	1,3189	44,7	2819	2100	1437	AT18 26 200 H __ __ C
	2100	1,3189	46,9	2960	2205	1509	AT18 26 210 H __ __ C
	2200	1,3189	49,1	3101	2310	1581	AT18 26 220 H __ __ C
	2300	1,3189	51,3	3242	2415	1653	AT18 26 230 H __ __ C
	2500	1,3189	55,7	3524	2626	1797	AT18 26 250 H __ __ C
H 700 mm							
28	400	1,2787	10,6	587	441	305	AT18 28 040 H __ __ C
	500	1,2787	12,9	734	552	382	AT18 28 050 H __ __ C
	600	1,2787	15,3	881	662	458	AT18 28 060 H __ __ C
	700	1,2787	17,6	1028	773	535	AT18 28 070 H __ __ C
	800	1,2787	20,0	1175	883	611	AT18 28 080 H __ __ C
	1000	1,2787	24,7	1469	1104	764	AT18 28 100 H __ __ C
	1200	1,2787	29,4	1762	1325	917	AT18 28 120 H __ __ C
	1400	1,2787	34,1	2056	1546	1070	AT18 28 140 H __ __ C
	1500	1,2787	36,5	2203	1656	1146	AT18 28 150 H __ __ C
	1600	1,2787	38,8	2350	1767	1223	AT18 28 160 H __ __ C
	1700	1,2787	41,1	2497	1877	1299	AT18 28 170 H __ __ C
	1800	1,2787	43,5	2644	1988	1376	AT18 28 180 H __ __ C
	1900	1,2787	45,8	2791	2098	1452	AT18 28 190 H __ __ C
	2000	1,2787	48,2	2937	2208	1528	AT18 28 200 H __ __ C
	2100	1,2787	50,5	3084	2318	1605	AT18 28 210 H __ __ C
	2200	1,2787	52,9	3231	2429	1681	AT18 28 220 H __ __ C
	2300	1,2787	55,2	3378	2539	1758	AT18 28 230 H __ __ C
	2500	1,2787	59,9	3672	2760	1911	AT18 28 250 H __ __ C

HOW TO ORDER THE ALICE 18 TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: ALICE 18 TANDEM horizontal	Nr of Elements E.g.: 20 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
AT18	20	120	H04	R01	C

Example of article code creation

AT18 ALICE TANDEM 18 HORIZONTAL
20 20 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
C Constant value

AT18 20 120 H04 R01 C

ALICE 22

VERTICAL

WARRANTY **5 YEARS**



Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	19	23,4	27,6	31,7	35,8	43,8	51,5	59	62,7
Therm. output per el. Δt = 30 °C [Watt]	9,9	12,2	14,5	16,7	18,9	23,1	27,2	31,1	33
Dry Weight per element [kg]	0,271	0,322	0,374	0,426	0,478	0,582	0,685	0,789	0,841
Water content [lt]	0,16	0,191	0,223	0,254	0,286	0,349	0,411	0,474	0,5
Element surface [m²]	0,33	0,04	0,047	0,054	0,061	0,075	0,089	0,102	0,109
Exponent **n**	1,2757	1,2695	1,2634	1,2573	1,2512	1,2470	1,2508	1,2546	1,2565
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**570**	**670**	**770**	**970**	**1170**	**1370**	**1470**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	66,3	69,9	73,4	76,9	80,4	83,3	87,1	90,5	97
Therm. output per el. Δt = 30 °C [Watt]	34,8	36,7	38,4	40,2	41,9	43,6	45,3	47,0	50,2
Dry Weight per element [kg]	0,893	0,945	0,996	1,048	1,1	1,152	1,204	1,256	1,359
Water content [lt]	0,537	0,568	0,6	0,631	0,663	0,694	0,726	0,757	0,82
Element surface [m²]	0,116	0,123	0,13	0,137	0,144	0,151	0,158	0,165	0,178
Exponent **n**	1,2599	1,2633	1,2667	1,2701	1,2735	1,2769	1,2803	1,2838	1,2906
Pipe Centres I [mm] (V3-V4 only)	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 22 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

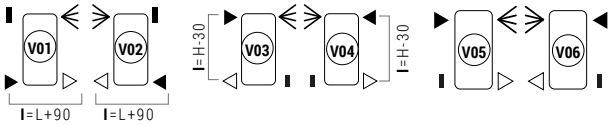
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

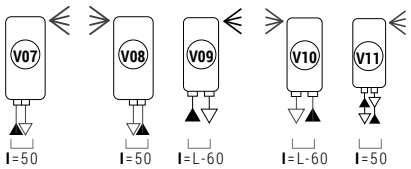
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



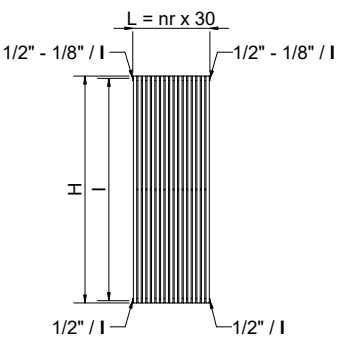
SPECIAL CONNECTIONS

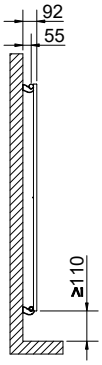


Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

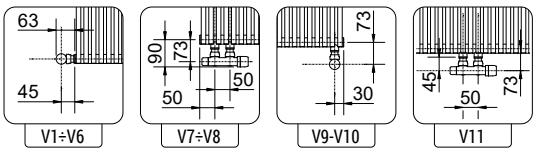
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

All intermediate sizes are available for widths from 5 a 54 Elements and heights from 400 to 2500 mm.

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
150	**5**	95	117	138	159	179	219	258	295	314
180	**6**	114	140	166	190	215	263	309	354	376
210	**7**	133	164	193	222	251	307	361	413	439
240	**8**	152	187	221	254	286	350	412	472	502
270	**9**	171	211	248	285	322	394	464	531	564
300	**10**	190	234	276	317	358	438	515	590	627
330	**11**	209	257	304	349	394	482	567	649	690
360	**12**	228	281	331	380	430	526	618	708	752
390	**13**	247	304	359	412	465	569	670	767	815
420	**14**	266	328	386	444	501	613	721	826	878
450	**15**	285	351	414	476	537	657	773	885	941
480	**16**	304	374	442	507	573	701	824	944	1003
510	**17**	323	398	469	539	609	745	876	1003	1066
540	**18**	342	421	497	571	644	788	927	1062	1129
570	**19**	361	445	524	602	680	832	979	1121	1191
600	**20**	380	468	552	634	716	876	1030	1180	1254
630	**21**	399	491	580	666	752	920	1082	1239	1317
660	**22**	418	515	607	697	788	964	1133	1298	1379
690	**23**	437	538	635	729	823	1007	1185	1357	1442
720	**24**	456	562	662	761	859	1051	1236	1416	1505
750	**25**	475	585	690	793	895	1095	1288	1475	1568
780	**26**	494	608	718	824	931	1139	1339	1534	1630
810	**27**	513	632	745	856	967	1183	1391	1593	1693
840	**28**	532	655	773	888	1002	1226	1442	1652	1756
870	**29**	551	679	800	919	1038	1270	1494	1711	1818
900	**30**	570	702	828	951	1074	1314	1545	1770	1881
960	**32**	608	749	883	1014	1146	1402	1648	1888	2006
1020	**34**	646	796	938	1078	1217	1489	1751	2006	2132
1080	**36**	684	842	994	1141	1289	1577	1854	2124	2257
1140	**38**	722	889	1049	1205	1360	1664	1957	2242	2383
1200	**40**	760	936	1104	1268	1432	1752	2060	2360	2508
1260	**42**	798	983	1159	1331	1504	1840	2163	2478	2633
1320	**44**	836	1030	1214	1395	1575	1927	2266	2596	2759
1380	**46**	874	1076	1270	1458	1647	2015	2369	2714	2884
1440	**48**	912	1123	1325	1522	1718	2102	2472	2832	3010
1500	**50**	950	1170	1380	1585	1790	2190	2575	2950	3135
1560	**52**	988	1217	1435	1648	1862	2278	2678	3068	3260
1620	**54**	1026	1264	1490	1712	1933	2365	2781	3186	3386

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
150	**5**	332	350	367	385	402	417	436	453	485
180	**6**	398	419	440	461	482	500	523	543	582
210	**7**	464	489	514	538	563	583	610	634	679
240	**8**	530	559	587	615	643	666	697	724	776
270	**9**	597	629	661	692	724	750	784	815	873
300	**10**	663	699	734	769	804	833	871	905	970
330	**11**	729	769	807	846	884	916	958	996	1067
360	**12**	796	839	881	923	965	1000	1045	1086	1164
390	**13**	862	909	954	1000	1045	1083	1132	1177	1261
420	**14**	928	979	1028	1077	1126	1166	1219	1267	1358
450	**15**	995	1049	1101	1154	1206	1250	1307	1358	1455
480	**16**	1061	1118	1174	1230	1286	1333	1394	1448	1552
510	**17**	1127	1188	1248	1307	1367	1416	1481	1539	1649
540	**18**	1193	1258	1321	1384	1447	1499	1568	1629	1746
570	**19**	1260	1328	1395	1461	1528	1583	1655	1720	1843
600	**20**	1326	1398	1468	1538	1608	1666	1742	1810	1940
630	**21**	1392	1468	1541	1615	1688	1749	1829	1901	2037
660	**22**	1459	1538	1615	1692	1769	1833	1916	1991	2134
690	**23**	1525	1608	1688	1769	1849	1916	2003	2082	2231
720	**24**	1591	1678	1762	1846	1930	1999	2090	2172	2328
750	**25**	1658	1748	1835	1923	2010	2083	2178	2263	2425
780	**26**	1724	1817	1908	1999	2090	2166	2265	2353	2522
810	**27**	1790	1887	1982	2076	2171	2249	2352	2444	2619
840	**28**	1856	1957	2055	2153	2251	2332	2439	2534	2716
870	**29**	1923	2027	2129	2230	2332	2416	2526	2625	2813
900	**30**	1989	2097	2202	2307	2412	2499	2613	2715	2910
960	**32**	2122	2237	2349	2461	2573	2666	2787	2896	3104
1020	**34**	2254	2377	2496	2615	2734	2832	2961	3077	3298
1080	**36**	2387	2516	2642	2768	2894	2999	3136	3258	3492
1140	**38**	2519	2656	2789	2922	3055	3165	3310	3439	3686
1200	**40**	2652	2796	2936	3076	3216	3332	3484	3620	3880
1260	**42**	2785	2936	3083	3230	3377	3499	3658	3801	4074
1320	**44**	2917	3076	3230	3384	3538	3665	3832	3982	4268
1380	**46**	3050	3215	3376	3537	3698	3832	4007	4163	4462
1440	**48**	3182	3355	3523	3691	3859	3998	4181	4344	4656
1500	**50**	3315	3495	3670	3845	4020	4165	4355	4525	4850
1560	**52**	3448	3635	3817	3999	4181	4332	4529	4706	5044
1620	**54**	3580	3775	3964	4153	4342	4498	4703	4887	5238

ALICE 22

VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
10	300	3,2	234	176	122	AL22 10 050 V __ __ A
12	360	3,9	281	212	147	AL22 12 050 V __ __ A
14	420	4,5	328	247	171	AL22 14 050 V __ __ A
16	480	5,2	374	282	196	AL22 16 050 V __ __ A
18	540	5,8	421	317	220	AL22 18 050 V __ __ A
20	600	6,4	468	353	245	AL22 20 050 V __ __ A
22	660	7,1	515	388	269	AL22 22 050 V __ __ A
24	720	7,7	562	423	294	AL22 24 050 V __ __ A
25	750	8,1	585	441	306	AL22 25 050 V __ __ A
26	780	8,4	608	458	318	AL22 26 050 V __ __ A
28	840	9,0	655	494	343	AL22 28 050 V __ __ A
30	900	9,7	702	529	367	AL22 30 050 V __ __ A
32	960	10,3	749	564	391	AL22 32 050 V __ __ A
33	990	10,6	772	582	404	AL22 33 050 V __ __ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
10	300	3,7	276	208	145	AL22 10 060 V __ __ A
12	360	4,5	331	250	174	AL22 12 060 V __ __ A
14	420	5,2	386	291	203	AL22 14 060 V __ __ A
16	480	6,0	442	333	232	AL22 16 060 V __ __ A
18	540	6,7	497	375	261	AL22 18 060 V __ __ A
20	600	7,5	552	416	290	AL22 20 060 V __ __ A
22	660	8,2	607	458	318	AL22 22 060 V __ __ A
24	720	9,0	662	500	347	AL22 24 060 V __ __ A
25	750	9,4	690	520	362	AL22 25 060 V __ __ A
26	780	9,7	718	541	376	AL22 26 060 V __ __ A
28	840	10,5	773	583	405	AL22 28 060 V __ __ A
30	900	11,2	828	625	434	AL22 30 060 V __ __ A
32	960	12,0	883	666	463	AL22 32 060 V __ __ A
33	990	12,3	911	687	478	AL22 33 060 V __ __ A

H 700 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
8	240	3,4	254	192	133	AL22 08 070 V __ __ A
10	300	4,3	317	239	167	AL22 10 070 V __ __ A
12	360	5,1	380	287	200	AL22 12 070 V __ __ A
14	420	6,0	444	335	233	AL22 14 070 V __ __ A
16	480	6,8	507	383	267	AL22 16 070 V __ __ A
18	540	7,7	571	431	300	AL22 18 070 V __ __ A
20	600	8,5	634	479	334	AL22 20 070 V __ __ A
22	660	9,4	697	527	367	AL22 22 070 V __ __ A
24	720	10,2	761	575	400	AL22 24 070 V __ __ A
26	780	11,1	824	623	434	AL22 26 070 V __ __ A
28	840	11,9	888	670	467	AL22 28 070 V __ __ A
30	900	12,8	951	718	500	AL22 30 070 V __ __ A
32	960	13,6	1014	766	534	AL22 32 070 V __ __ A
33	990	14,1	1046	790	550	AL22 33 070 V __ __ A

H 800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
8	240	3,8	286	217	151	AL22 08 080 V __ __ A
10	300	4,8	358	271	189	AL22 10 080 V __ __ A
12	360	5,7	430	325	227	AL22 12 080 V __ __ A
14	420	6,7	501	379	265	AL22 14 080 V __ __ A
16	480	7,6	573	433	302	AL22 16 080 V __ __ A
18	540	8,6	644	487	340	AL22 18 080 V __ __ A
20	600	9,6	716	542	378	AL22 20 080 V __ __ A
22	660	10,5	788	596	416	AL22 22 080 V __ __ A
24	720	11,5	859	650	453	AL22 24 080 V __ __ A
26	780	12,4	931	704	491	AL22 26 080 V __ __ A
28	840	13,4	1002	758	529	AL22 28 080 V __ __ A
30	900	14,3	1074	812	567	AL22 30 080 V __ __ A
32	960	15,3	1146	867	605	AL22 32 080 V __ __ A
33	990	15,8	1181	894	623	AL22 33 080 V __ __ A

H 1000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
8	240	10,0	350	265	185	AL22 08 100 V __ __ A
10	300	12,5	438	332	232	AL22 10 100 V __ __ A
12	360	15,0	526	398	278	AL22 12 100 V __ __ A
14	420	17,5	613	464	324	AL22 14 100 V __ __ A
15	450	18,7	657	497	347	AL22 15 100 V __ __ A
16	480	20,0	701	531	371	AL22 16 100 V __ __ A
18	540	22,4	788	597	417	AL22 18 100 V __ __ A
19	570	23,7	832	630	440	AL22 19 100 V __ __ A
20	600	24,9	876	663	463	AL22 20 100 V __ __ A
22	660	27,4	964	730	510	AL22 22 100 V __ __ A
24	720	29,9	1051	796	556	AL22 24 100 V __ __ A
26	780	32,4	1139	862	602	AL22 26 100 V __ __ A
28	840	34,9	1226	929	649	AL22 28 100 V __ __ A
30	900	37,4	1314	995	695	AL22 30 100 V __ __ A

H 1200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Thermal output Δt 40°C [Watt]	Thermal output Δt 30°C [Watt]	Art. nr.
8	240	5,5	412	312	217	AL22 08 120 V __ __ A
10	300	6,9	515	390	272	AL22 10 120 V __ __ A
12	360	8,2	618	467	326	AL22 12 120 V __ __ A
14	420	9,6	721	545	381	AL22 14 120 V __ __ A
15	450	10,3	773	584	408	AL22 15 120 V __ __ A
16	480	11,0	824	623	435	AL22 16 120 V __ __ A
18	540	12,3	927	701	489	AL22 18 120 V __ __ A
19	570	13,0	979	740	517	AL22 19 120 V __ __ A
20	600	13,7	1030	779	544	AL22 20 120 V __ __ A
22	660	15,1	1133	857	598	AL22 22 120 V __ __ A
24	720	16,4	1236	935	652	AL22 24 120 V __ __ A
26	780	17,8	1339	1013	707	AL22 26 120 V __ __ A
28	840	19,2	1442	1091	761	AL22 28 120 V __ __ A
30	900	20,6	1545	1169	816	AL22 30 120 V __ __ A

ALICE 22

VERTICAL

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1400 mm						
8	240	6,3	472	357	249	AL22 08 140 V __ __ A
10	300	7,9	590	446	311	AL22 10 140 V __ __ A
12	360	9,5	708	535	373	AL22 12 140 V __ __ A
14	420	11,0	826	624	435	AL22 14 140 V __ __ A
15	450	11,8	885	669	466	AL22 15 140 V __ __ A
16	480	12,6	944	713	497	AL22 16 140 V __ __ A
18	540	14,2	1062	803	559	AL22 18 140 V __ __ A
20	600	15,8	1180	892	622	AL22 20 140 V __ __ A
22	660	17,4	1298	981	684	AL22 22 140 V __ __ A
24	720	18,9	1416	1070	746	AL22 24 140 V __ __ A
25	750	19,7	1475	1115	777	AL22 25 140 V __ __ A
26	780	20,5	1534	1159	808	AL22 26 140 V __ __ A
28	840	22,1	1652	1249	870	AL22 28 140 V __ __ A
30	900	23,7	1770	1338	932	AL22 30 140 V __ __ A

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1500 mm						
8	240	6,7	502	379	264	AL22 08 150 V __ __ A
10	300	8,4	627	474	330	AL22 10 150 V __ __ A
12	360	10,1	752	568	396	AL22 12 150 V __ __ A
14	420	11,8	878	663	462	AL22 14 150 V __ __ A
15	450	12,6	941	711	495	AL22 15 150 V __ __ A
16	480	13,5	1003	758	528	AL22 16 150 V __ __ A
18	540	15,1	1129	853	594	AL22 18 150 V __ __ A
20	600	16,8	1254	947	660	AL22 20 150 V __ __ A
22	660	18,5	1379	1042	726	AL22 22 150 V __ __ A
24	720	20,2	1505	1137	792	AL22 24 150 V __ __ A
25	750	21,0	1568	1184	825	AL22 25 150 V __ __ A
26	780	21,9	1630	1232	858	AL22 26 150 V __ __ A
28	840	23,5	1756	1326	924	AL22 28 150 V __ __ A
30	900	25,2	1881	1421	990	AL22 30 150 V __ __ A

H 1600 mm						
6	180	5,4	398	300	209	AL22 06 160 V __ __ A
8	240	7,1	530	400	279	AL22 08 160 V __ __ A
10	300	8,9	663	501	348	AL22 10 160 V __ __ A
12	360	10,7	796	601	418	AL22 12 160 V __ __ A
14	420	12,5	928	701	488	AL22 14 160 V __ __ A
15	450	13,4	995	751	523	AL22 15 160 V __ __ A
16	480	14,3	1061	801	557	AL22 16 160 V __ __ A
18	540	16,1	1193	901	627	AL22 18 160 V __ __ A
20	600	17,9	1326	1001	697	AL22 20 160 V __ __ A
22	660	19,6	1459	1101	766	AL22 22 160 V __ __ A
24	720	21,4	1591	1201	836	AL22 24 160 V __ __ A
26	780	23,2	1724	1301	906	AL22 26 160 V __ __ A
28	840	25,0	1856	1401	975	AL22 28 160 V __ __ A
30	900	26,8	1989	1502	1045	AL22 30 160 V __ __ A

H 1800 mm						
6	180	6,0	440	332	231	AL22 06 180 V __ __ A
8	240	8,0	587	443	307	AL22 08 180 V __ __ A
10	300	10,0	734	553	384	AL22 10 180 V __ __ A
12	360	12,0	881	664	461	AL22 12 180 V __ __ A
14	420	13,9	1028	775	538	AL22 14 180 V __ __ A
15	450	14,9	1101	830	576	AL22 15 180 V __ __ A
16	480	15,9	1174	885	615	AL22 16 180 V __ __ A
18	540	17,9	1321	996	692	AL22 18 180 V __ __ A
20	600	19,9	1468	1107	769	AL22 20 180 V __ __ A
22	660	21,9	1615	1217	845	AL22 22 180 V __ __ A
24	720	23,9	1762	1328	922	AL22 24 180 V __ __ A
26	780	25,9	1908	1439	999	AL22 26 180 V __ __ A
28	840	27,9	2055	1549	1076	AL22 28 180 V __ __ A
30	900	29,9	2202	1660	1153	AL22 30 180 V __ __ A

H 2000 mm						
6	180	6,6	482	363	252	AL22 06 200 V __ __ A
8	240	8,8	643	484	336	AL22 08 200 V __ __ A
10	300	11,0	804	605	419	AL22 10 200 V __ __ A
12	360	13,2	965	726	503	AL22 12 200 V __ __ A
14	420	15,4	1126	847	587	AL22 14 200 V __ __ A
15	450	16,5	1206	908	629	AL22 15 200 V __ __ A
16	480	17,6	1286	968	671	AL22 16 200 V __ __ A
17	510	18,7	1367	1029	713	AL22 17 200 V __ __ A
18	540	19,8	1447	1089	755	AL22 18 200 V __ __ A
20	600	22,0	1608	1210	839	AL22 20 200 V __ __ A
22	660	24,2	1769	1331	923	AL22 22 200 V __ __ A
24	720	26,4	1930	1452	1007	AL22 24 200 V __ __ A
26	780	28,6	2090	1573	1091	AL22 26 200 V __ __ A
28	840	30,8	2251	1694	1175	AL22 28 200 V __ __ A

H 2500 mm						
6	180	8,2	582	436	301	AL22 06 250 V __ __ A
8	240	10,9	776	582	401	AL22 08 250 V __ __ A
10	300	13,6	970	727	502	AL22 10 250 V __ __ A
12	360	16,3	1164	873	602	AL22 12 250 V __ __ A
14	420	19,0	1358	1018	702	AL22 14 250 V __ __ A
15	450	20,4	1455	1091	753	AL22 15 250 V __ __ A
16	480	21,7	1552	1164	803	AL22 16 250 V __ __ A
17	510	23,1	1649	1236	853	AL22 17 250 V __ __ A
18	540	24,5	1746	1309	903	AL22 18 250 V __ __ A
20	600	27,2	1940	1455	1003	AL22 20 250 V __ __ A
22	660	29,9	2134	1600	1104	AL22 22 250 V __ __ A
24	720	32,6	2328	1745	1204	AL22 24 250 V __ __ A
26	780	35,3	2522	1891	1304	AL22 26 250 V __ __ A
28	840	38,1	2716	2036	1405	AL22 28 250 V __ __ A

HOW TO ORDER THE ALICE 22 VERTICAL RADIATOR

Radiator model E.g.: Alice 22 VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
AL22	24	080	V01	R01	A

Example of article code creation

AL22 ALICE 22 VERTICAL
24 24 Elements
080 Height 800 mm
V08 Connection V01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
AL22 24 080 V01 R01 A

ALICE 22

HORIZONTAL

WARRANTY **5 YEARS**



MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 22 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,271	0,322	0,374	0,426	0,478	0,582	0,685	0,789	0,841
Water content [lt]	0,16	0,191	0,223	0,254	0,286	0,349	0,411	0,474	0,5
Element surface [m²]	0,33	0,04	0,047	0,054	0,061	0,075	0,089	0,102	0,109
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

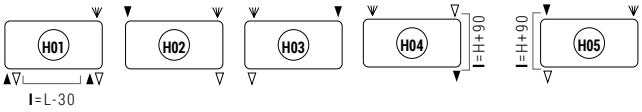
For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	0,893	0,945	0,996	1,048	1,1	1,152	1,204	1,256	1,359
Water content [lt]	0,537	0,568	0,6	0,631	0,663	0,694	0,726	0,757	0,82
Element surface [m²]	0,116	0,123	0,13	0,137	0,144	0,151	0,158	0,165	0,178
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470

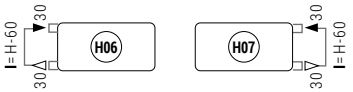
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



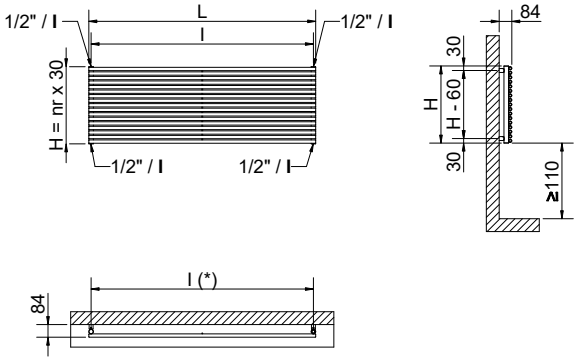
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap

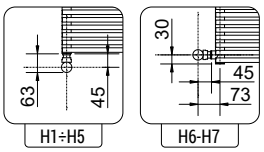


AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Quotes for Kristal valves



Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

All intermediate sizes for heights from 5 to 54 elements and widths from 400 to 2500 mm.

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
150	**5**	70	87	105	122	140	174	209	244	262	93	1,2320
180	**6**	88	109	131	153	175	219	263	306	328	117	1,2345
210	**7**	106	132	159	185	212	265	317	370	397	141	1,2370
240	**8**	124	156	187	218	249	311	373	436	467	165	1,2395
270	**9**	143	179	215	251	287	358	430	502	538	190	1,2420
300	**10**	162	203	244	284	325	406	487	569	609	215	1,2445
330	**11**	182	227	273	318	363	454	545	636	681	240	1,2470
360	**12**	201	251	301	352	402	502	603	703	754	265	1,2495
390	**13**	220	275	330	385	440	551	661	771	826	290	1,2520
420	**14**	239	299	359	419	479	599	718	838	898	315	1,2545
450	**15**	259	323	388	453	517	647	776	905	970	340	1,2570
480	**16**	278	347	416	486	555	694	833	972	1041	371	1,2271
510	**17**	297	371	445	519	593	741	890	1038	1112	396	1,2296
540	**18**	315	394	473	552	631	788	946	1104	1182	420	1,2321
570	**19**	334	417	501	584	668	835	1002	1169	1252	444	1,2346
600	**20**	352	440	528	617	705	881	1057	1233	1321	468	1,2371
630	**21**	370	463	556	648	741	926	1111	1297	1389	492	1,2396
660	**22**	388	486	583	680	777	971	1165	1359	1457	515	1,2421
690	**23**	406	508	609	711	812	1015	1218	1421	1523	538	1,2446
720	**24**	424	529	635	741	847	1059	1271	1482	1588	560	1,2471
750	**25**	441	551	661	771	881	1102	1322	1543	1653	585	1,2386
780	**26**	458	572	686	801	915	1144	1373	1602	1716	610	1,2302
810	**27**	474	593	711	830	949	1186	1423	1660	1779	635	1,2217
840	**28**	491	613	736	859	981	1227	1472	1717	1840	660	1,2133
870	**29**	507	633	760	887	1013	1267	1520	1773	1900	684	1,2048
900	**30**	522	653	784	914	1045	1306	1567	1828	1959	709	1,1964
960	**32**	553	691	830	968	1106	1383	1659	1936	2074	751	1,1949
1020	**34**	582	728	874	1019	1165	1456	1747	2038	2184	791	1,1933
1080	**36**	610	763	916	1068	1221	1526	1831	2137	2289	830	1,1918
1140	**38**	637	797	956	1115	1275	1593	1912	2231	2390	867	1,1902
1200	**40**	663	829	994	1160	1326	1657	1989	2320	2486	904	1,1875
1260	**42**	687	859	1031	1203	1375	1718	2062	2406	2578	938	1,1859
1320	**44**	710	888	1066	1243	1421	1776	2131	2487	2664	970	1,1843
1380	**46**	732	916	1099	1282	1465	1831	2197	2563	2747	1001	1,1827
1440	**48**	753	941	1130	1318	1506	1883	2259	2636	2824	1030	1,1811
1500	**50**	773	966	1159	1352	1545	1932	2318	2704	2897	1057	1,1795
1560	**52**	791	989	1186	1384	1582	1977	2373	2768	2966	1083	1,1779
1620	**54**	808	1010	1212	1414	1616	2020	2425	2829	3031	1108	1,1763

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
150	**5**	279	297	314	332	349	366	384	401	436	90	1,1992
180	**6**	350	372	394	416	438	460	482	503	547	113	1,2016
210	**7**	423	450	476	503	529	556	582	609	661	137	1,2040
240	**8**	498	529	560	591	622	653	685	716	778	162	1,2064
270	**9**	574	609	645	681	717	753	789	824	896	186	1,2088
300	**10**	650	690	731	772	812	853	894	934	1015	212	1,2112
330	**11**	727	772	818	863	908	954	999	1045	1135	237	1,2136
360	**12**	804	854	904	954	1005	1055	1105	1155	1256	263	1,2160
390	**13**	881	936	991	1046	1101	1156	1211	1266	1376	288	1,2184
420	**14**	958	1018	1077	1137	1197	1257	1317	1377	1497	314	1,2208
450	**15**	1034	1099	1164	1228	1293	1358	1422	1487	1616	340	1,2232
480	**16**	1111	1180	1249	1319	1388	1458	1527	1596	1735	371	1,2271
510	**17**	1186	1260	1335	1409	1483	1557	1631	1705	1854	396	1,2296
540	**18**	1261	1340	1419	1498	1577	1655	1734	1813	1971	420	1,2321
570	**19**	1336	1419	1503	1586	1670	1753	1837	1920	2087	444	1,2346
600	**20**	1409	1497	1585	1674	1762	1850	1938	2026	2202	468	1,2371
630	**21**	1482	1575	1667	1760	1852	1945	2038	2130	2316	492	1,2396
660	**22**	1554	1651	1748	1845	1942	2039	2136	2233	2428	515	1,2421
690	**23**	1624	1726	1828	1929	2031	2132	2234	2335	2538	538	1,2446
720	**24**	1694	1800	1906	2012	2118	2224	2330	2435	2647	560	1,2471
750	**25**	1763	1873	1983	2093	2204	2314	2424	2534	2755	585	1,2386
780	**26**	1831	1945	2059	2174	2288	2403	2517	2631	2860	610	1,2302
810	**27**	1897	2016	2134	2253	2371	2490	2609	2727	2964	635	1,2217
840	**28**	1962	2085	2208	2330	2453	2576	2698	2821	3066	660	1,2133
870	**29**	2027	2153	2280	2407	2533	2660	2787	2913	3167	685	1,2048
900	**30**	2090	2220	2351	2481	2612	2743	2873	3004	3265	709	1,1964
960	**32**	2212	2350	2489	2627	2765	2903	3042	3180	3456	751	1,1949
1020	**34**	2329	2475	2621	2766	2912	3057	3203	3349	3640	791	1,1933
1080	**36**	2442	2595	2747	2900	3052	3205	3358	3510	3816	830	1,1918
1140	**38**	2549	2709	2868	3027	3187	3346	3505	3665	3984	868	1,1902
1200	**40**	2652	2818	2983	3149	3315	3481	3646	3812	4144	912	1,1835
1260	**42**	2749	2921	3093	3265	3437	3609	3780	3952	4296	950	1,1817
1320	**44**	2842	3020	3197	3375	3552	3730	3908	4085	4441	986	1,1799
1380	**46**	2930	3113	3296	3479	3662	3845	4028	4211	4578	1020	1,1781
1440	**48**	3012	3201	3389	3577	3766	3954	4142	4330	4707	1052	1,1763
1500	**50**	3091	3284	3477	3670	3863	4056	4249	4443	4829	1084	1,1745
1560	**52**	3164	3362	3559	3757	3955	4153	4350	4548	4944	1114	1,1727
1620	**54**	3233	3435	3637	3839	4041	4243	4445	4647	5051	1142	1,1709

ALICE 22

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 330 mm							
11	400	1,2470	3,0	182	138	96	AL22 11 040 H __ __ A
	500	1,2470	3,5	227	172	120	AL22 11 050 H __ __ A
	600	1,2470	4,1	273	207	144	AL22 11 060 H __ __ A
	700	1,2470	4,7	318	241	168	AL22 11 070 H __ __ A
	800	1,2470	5,3	363	275	192	AL22 11 080 H __ __ A
	1000	1,2470	6,4	454	344	240	AL22 11 100 H __ __ A
	1200	1,2470	7,5	545	413	288	AL22 11 120 H __ __ A
	1400	1,2470	8,7	636	482	336	AL22 11 140 H __ __ A
	1500	1,2470	9,3	681	516	360	AL22 11 150 H __ __ A
	1600	1,2470	9,8	727	550	384	AL22 11 160 H __ __ A
	1700	1,2470	10,4	772	584	408	AL22 11 170 H __ __ A
	1800	1,2470	11,0	818	619	433	AL22 11 180 H __ __ A
	1900	1,2470	11,5	863	653	456	AL22 11 190 H __ __ A
	2000	1,2470	12,1	908	687	480	AL22 11 200 H __ __ A
	2100	1,2470	12,7	954	722	505	AL22 11 210 H __ __ A
	2200	1,2470	13,2	999	756	528	AL22 11 220 H __ __ A
	2300	1,2470	13,8	1045	791	553	AL22 11 230 H __ __ A
	2500	1,2470	14,9	1135	859	600	AL22 11 250 H __ __ A
H 360 mm							
12	400	1,2495	3,3	201	152	106	AL22 12 040 H __ __ A
	500	1,2495	3,9	251	190	133	AL22 12 050 H __ __ A
	600	1,2495	4,5	301	228	159	AL22 12 060 H __ __ A
	700	1,2495	5,1	352	266	186	AL22 12 070 H __ __ A
	800	1,2495	5,7	402	304	212	AL22 12 080 H __ __ A
	1000	1,2495	7,0	502	380	265	AL22 12 100 H __ __ A
	1200	1,2495	8,2	603	456	319	AL22 12 120 H __ __ A
	1400	1,2495	9,5	703	532	371	AL22 12 140 H __ __ A
	1500	1,2495	10,1	754	571	398	AL22 12 150 H __ __ A
	1600	1,2495	10,7	804	608	425	AL22 12 160 H __ __ A
	1700	1,2495	11,3	854	646	451	AL22 12 170 H __ __ A
	1800	1,2495	12,0	904	684	477	AL22 12 180 H __ __ A
	1900	1,2495	12,6	954	722	504	AL22 12 190 H __ __ A
	2000	1,2495	13,2	1005	760	531	AL22 12 200 H __ __ A
	2100	1,2495	13,8	1055	798	557	AL22 12 210 H __ __ A
	2200	1,2495	14,4	1105	836	584	AL22 12 220 H __ __ A
	2300	1,2495	15,1	1155	874	610	AL22 12 230 H __ __ A
	2500	1,2495	16,3	1256	950	663	AL22 12 250 H __ __ A
H 420 mm							
14	400	1,2545	3,8	239	181	126	AL22 14 040 H __ __ A
	500	1,2545	4,5	299	226	158	AL22 14 050 H __ __ A
	600	1,2545	5,2	359	271	189	AL22 14 060 H __ __ A
	700	1,2545	6,0	419	317	221	AL22 14 070 H __ __ A
	800	1,2545	6,7	479	362	252	AL22 14 080 H __ __ A
	1000	1,2545	8,1	599	452	315	AL22 14 100 H __ __ A
	1200	1,2545	9,6	718	543	378	AL22 14 120 H __ __ A
	1400	1,2545	11,0	838	633	442	AL22 14 140 H __ __ A
	1500	1,2545	11,8	898	679	473	AL22 14 150 H __ __ A
	1600	1,2545	12,5	958	724	505	AL22 14 160 H __ __ A
	1700	1,2545	13,2	1018	769	536	AL22 14 170 H __ __ A
	1800	1,2545	13,9	1077	814	567	AL22 14 180 H __ __ A
	1900	1,2545	14,7	1137	859	599	AL22 14 190 H __ __ A
	2000	1,2545	15,4	1197	905	631	AL22 14 200 H __ __ A
	2100	1,2545	16,1	1257	950	662	AL22 14 210 H __ __ A
	2200	1,2545	16,9	1317	995	694	AL22 14 220 H __ __ A
	2300	1,2545	17,6	1377	1041	725	AL22 14 230 H __ __ A
	2500	1,2545	19,0	11497	8690	6057	AL22 14 250 H __ __ A

ALICE 22

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 480 mm							
16	400	1,2271	4,3	278	211	149	AL22 16 040 H __ __ A
	500	1,2271	5,2	347	264	185	AL22 16 050 H __ __ A
	600	1,2271	6,0	416	316	222	AL22 16 060 H __ __ A
	700	1,2271	6,8	486	370	260	AL22 16 070 H __ __ A
	800	1,2271	7,6	555	422	297	AL22 16 080 H __ __ A
	1000	1,2271	9,3	694	528	371	AL22 16 100 H __ __ A
	1200	1,2271	11,0	833	633	445	AL22 16 120 H __ __ A
	1400	1,2271	12,6	972	739	519	AL22 16 140 H __ __ A
	1500	1,2271	13,5	1041	792	556	AL22 16 150 H __ __ A
	1600	1,2271	14,3	1111	845	594	AL22 16 160 H __ __ A
	1700	1,2271	15,1	1180	897	630	AL22 16 170 H __ __ A
	1800	1,2271	15,9	1249	950	667	AL22 16 180 H __ __ A
	1900	1,2271	16,8	1319	1003	705	AL22 16 190 H __ __ A
	2000	1,2271	17,6	1388	1056	742	AL22 16 200 H __ __ A
	2100	1,2271	18,4	1458	1109	779	AL22 16 210 H __ __ A
	2200	1,2271	19,3	1527	1161	816	AL22 16 220 H __ __ A
	2300	1,2271	20,1	1596	1214	853	AL22 16 230 H __ __ A
	2500	1,2271	21,7	1735	1319	927	AL22 16 250 H __ __ A
H 510 mm							
17	400	1,2296	4,6	297	226	158	AL22 17 040 H __ __ A
	500	1,2296	5,5	371	282	198	AL22 17 050 H __ __ A
	600	1,2296	6,4	445	338	237	AL22 17 060 H __ __ A
	700	1,2296	7,2	519	394	277	AL22 17 070 H __ __ A
	800	1,2296	8,1	593	451	316	AL22 17 080 H __ __ A
	1000	1,2296	9,9	741	563	395	AL22 17 100 H __ __ A
	1200	1,2296	11,6	890	676	475	AL22 17 120 H __ __ A
	1400	1,2296	13,4	1038	789	554	AL22 17 140 H __ __ A
	1500	1,2296	14,3	1112	845	593	AL22 17 150 H __ __ A
	1600	1,2296	15,2	1186	901	633	AL22 17 160 H __ __ A
	1700	1,2296	16,1	1260	958	672	AL22 17 170 H __ __ A
	1800	1,2296	16,9	1335	1015	712	AL22 17 180 H __ __ A
	1900	1,2296	17,8	1409	1071	752	AL22 17 190 H __ __ A
	2000	1,2296	18,7	1483	1127	791	AL22 17 200 H __ __ A
	2100	1,2296	19,6	1557	1183	831	AL22 17 210 H __ __ A
	2200	1,2296	20,5	1631	1240	870	AL22 17 220 H __ __ A
	2300	1,2296	21,4	1705	1296	910	AL22 17 230 H __ __ A
	2500	1,2296	23,1	1854	1409	989	AL22 17 250 H __ __ A
H 570 mm							
19	400	1,2346	5,1	334	254	178	AL22 19 040 H __ __ A
	500	1,2346	6,1	417	317	222	AL22 19 050 H __ __ A
	600	1,2346	7,1	501	380	267	AL22 19 060 H __ __ A
	700	1,2346	8,1	584	443	311	AL22 19 070 H __ __ A
	800	1,2346	9,1	668	507	356	AL22 19 080 H __ __ A
	1000	1,2346	11,1	835	634	444	AL22 19 100 H __ __ A
	1200	1,2346	13,0	1002	761	533	AL22 19 120 H __ __ A
	1400	1,2346	15,0	1169	888	622	AL22 19 140 H __ __ A
	1500	1,2346	16,0	1252	951	666	AL22 19 150 H __ __ A
	1600	1,2346	17,0	1336	1014	711	AL22 19 160 H __ __ A
	1700	1,2346	18,0	1419	1077	755	AL22 19 170 H __ __ A
	1800	1,2346	18,9	1503	1141	800	AL22 19 180 H __ __ A
	1900	1,2346	19,9	1586	1204	844	AL22 19 190 H __ __ A
	2000	1,2346	20,9	1670	1268	889	AL22 19 200 H __ __ A
	2100	1,2346	21,9	1753	1331	933	AL22 19 210 H __ __ A
	2200	1,2346	22,9	1837	1395	978	AL22 19 220 H __ __ A
	2300	1,2346	23,9	1920	1458	1022	AL22 19 230 H __ __ A
	2500	1,2346	25,8	2087	1584	1111	AL22 19 250 H __ __ A

HOW TO ORDER THE ALICE 22 HORIZONTAL RADIATOR

Radiator model E.g.: Alice 22 horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H01	Color code Es: R01 - White	Constant value
AL22	12	120	H01	R01	A

Example of article code creation

AL22 ALICE 22 Horizontal
12 12 Elements
120 width 1200 mm
H01 connection H01 (see product page)
R01 color R01 - White (see color chart)
A Constant value

AL22 12 120 H01 R01 A

ALICE 22

TANDEM VERTICAL

WARRANTY **5 YEARS**



MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 22 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	35,7	37,5	41,6	43,4	53,1	54,7	60,2	64	74,4
Therm. output per el. Δt = 30 °C [Watt]	18,5	19,4	21,5	22,4	27,3	28,2	30,9	32,9	38,2
Dry Weight per element [kg]	0,58	0,61	0,69	0,72	0,89	0,92	1,03	1,10	1,31
Water content [lt]	0,349	0,367	0,411	0,43	0,537	0,556	0,619	0,663	0,788
Element surface [m²]	0,075	0,079	0,089	0,093	0,116	0,12	0,134	0,144	0,172
Exponent **n**	1,2873	1,2886	1,2915	1,2928	1,2999	1,3012	1,3040	1,3037	1,3028
Pipe Centres I [mm] (V3-V4 only)	**470**	**500**	**570**	**600**	**770**	**800**	**900**	**970**	**1170**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x** (Desired Δt/50)^n

Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	84,5	94,2	103,6	108,2	112,7	117,2	121,6	125,9	134,4
Therm. output per el. Δt = 30 °C [Watt]	43,4	48,3	52,9	55,1	57,3	59,4	61,5	63,6	67,6
Dry Weight per element [kg]	1,52	1,72	1,93	2,03	2,14	2,24	2,34	2,45	2,66
Water content [lt]	0,914	1,04	1,165	1,228	1,291	1,354	1,417	1,479	1,605
Element surface [m²]	0,199	0,227	0,254	0,268	0,282	0,296	0,31	0,324	0,351
Exponent **n**	1,3019	1,3060	1,3149	1,3194	1,3238	1,3283	1,3328	1,3373	1,3463
Pipe Centres I [mm] (V3-V4 only)	**1370**	**1570**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



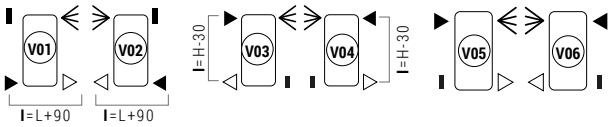
Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

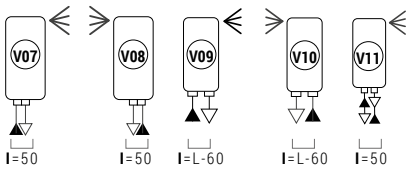
CERTIFICATES

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



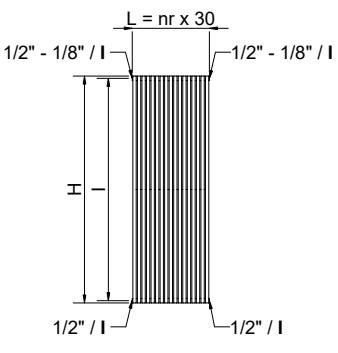
SPECIAL CONNECTIONS

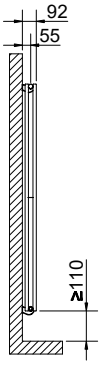


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

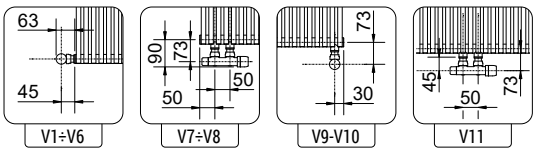
LEGEND

►	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

All intermediate sizes are available for widths from 5 to 42 Elements and heights from 500 to 2500 mm.

Replacement heights are marked in grey color.

Height H [mm]		500	530	600	630	800	830	930	1000	1200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
150	5	179	188	208	217	266	274	301	320	372
180	6	214	225	250	260	319	328	361	384	446
210	7	250	263	291	304	372	383	421	448	521
240	8	286	300	333	347	425	438	482	512	595
270	9	321	338	374	391	478	492	542	576	670
300	10	357	375	416	434	531	547	602	640	744
330	11	393	413	458	477	584	602	662	704	818
360	12	428	450	499	521	637	656	722	768	893
390	13	464	488	541	564	690	711	783	832	967
420	14	500	525	582	608	743	766	843	896	1042
450	15	536	563	624	651	797	821	903	960	1116
480	16	571	600	666	694	850	875	963	1024	1190
510	17	607	638	707	738	903	930	1023	1088	1265
540	18	643	675	749	781	956	985	1084	1152	1339
570	19	678	713	790	825	1009	1039	1144	1216	1414
600	20	714	750	832	868	1062	1094	1204	1280	1488
630	21	750	788	874	911	1115	1149	1264	1344	1562
660	22	785	825	915	955	1168	1203	1324	1408	1637
690	23	821	863	957	998	1221	1258	1385	1472	1711
720	24	857	900	998	1042	1274	1313	1445	1536	1786
750	25	893	938	1040	1085	1328	1368	1505	1600	1860
780	26	928	975	1082	1128	1381	1422	1565	1664	1934
810	27	964	1013	1123	1172	1434	1477	1625	1728	2009
840	28	1000	1050	1165	1215	1487	1532	1686	1792	2083
870	29	1035	1088	1206	1259	1540	1586	1746	1856	2158
900	30	1071	1125	1248	1302	1593	1641	1806	1920	2232
930	31	1107	1163	1290	1345	1646	1696	1866	1984	2306
960	32	1142	1200	1331	1389	1699	1750	1926	2048	2381
990	33	1178	1238	1373	1432	1752	1805	1987	2112	2455
1020	34	1214	1275	1414	1476	1805	1860	2047	2176	2530
1050	35	1250	1313	1456	1519	1859	1915	2107	2240	2604
1080	36	1285	1350	1498	1562	1912	1969	2167	2304	2678
1110	37	1321	1388	1539	1606	1965	2024	2227	2368	2753
1140	38	1357	1425	1581	1649	2018	2079	2288	2432	2827
1170	39	1392	1463	1622	1693	2071	2133	2348	2496	2902
1200	40	1428	1500	1664	1736	2124	2188	2408	2560	2976
1230	41	1464	1538	1706	1779	2177	2243	2468	2624	3050
1260	42	1499	1575	1747	1823	2230	2297	2528	2688	3125

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
150	5	423	471	518	541	564	586	608	630	672
180	6	507	565	622	649	676	703	730	755	806
210	7	592	659	725	757	789	820	851	881	941
240	8	676	754	829	866	902	938	973	1007	1075
270	9	761	848	932	974	1014	1055	1094	1133	1210
300	10	845	942	1036	1082	1127	1172	1216	1259	1344
330	11	930	1036	1140	1190	1240	1289	1338	1385	1478
360	12	1014	1130	1243	1298	1352	1406	1459	1511	1613
390	13	1099	1225	1347	1407	1465	1524	1581	1637	1747
420	14	1183	1319	1450	1515	1578	1641	1702	1763	1882
450	15	1268	1413	1554	1623	1691	1758	1824	1889	2016
480	16	1352	1507	1658	1731	1803	1875	1946	2014	2150
510	17	1437	1601	1761	1839	1916	1992	2067	2140	2285
540	18	1521	1696	1865	1948	2029	2110	2189	2266	2419
570	19	1606	1790	1968	2056	2141	2227	2310	2392	2554
600	20	1690	1884	2072	2164	2254	2344	2432	2518	2688
630	21	1775	1978	2176	2272	2367	2461	2554	2644	2822
660	22	1859	2072	2279	2380	2479	2578	2675	2770	2957
690	23	1944	2167	2383	2489	2592	2696	2797	2896	3091
720	24	2028	2261	2486	2597	2705	2813	2918	3022	3226
750	25	2113	2355	2590	2705	2818	2930	3040	3148	3360
780	26	2197	2449	2694	2813	2930	3047	3162	3273	3494
810	27	2282	2543	2797	2921	3043	3164	3283	3399	3629
840	28	2366	2638	2901	3030	3156	3282	3405	3525	3763
870	29	2451	2732	3004	3138	3268	3399	3526	3651	3898
900	30	2535	2826	3108	3246	3381	3516	3648	3777	4032
930	31	2620	2920	3212	3354	3494	3633	3770	3903	4166
960	32	2704	3014	3315	3462	3606	3750	3891	4029	4301
990	33	2789	3109	3419	3571	3719	3868	4013	4155	4435
1020	34	2873	3203	3522	3679	3832	3985	4134	4281	4570
1050	35	2958	3297	3626	3787	3945	4102	4256	4407	4704
1080	36	3042	3391	3730	3895	4057	4219	4378	4532	4838
1110	37	3127	3485	3833	4003	4170	4336	4499	4658	4973
1140	38	3211	3580	3937	4112	4283	4454	4621	4784	5107
1170	39	3296	3674	4040	4220	4395	4571	4742	4910	5242
1200	40	3380	3768	4144	4328	4508	4688	4864	5036	5376
1230	41	3465	3862	4248	4436	4621	4805	4986	5162	5510
1260	42	3549	3956	4351	4544	4733	4922	5107	5288	5645

ALICE 22

TANDEM VERTICAL

H 630 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	420	10,1	608	455	314	AT22 14 063 V __ __ A
16	480	11,5	694	520	359	AT22 16 063 V __ __ A
18	540	13,0	781	585	404	AT22 18 063 V __ __ A
20	600	14,4	868	650	448	AT22 20 063 V __ __ A
22	660	15,8	955	716	493	AT22 22 063 V __ __ A
24	720	17,3	1042	781	538	AT22 24 063 V __ __ A
26	780	18,7	1128	846	583	AT22 26 063 V __ __ A
28	840	20,2	1215	911	628	AT22 28 063 V __ __ A
30	900	21,6	1302	976	673	AT22 30 063 V __ __ A
32	960	23,0	1389	1041	718	AT22 32 063 V __ __ A
34	1020	24,5	1476	1106	762	AT22 34 063 V __ __ A
36	1080	25,9	1562	1171	807	AT22 36 063 V __ __ A
38	1140	27,4	1649	1236	852	AT22 38 063 V __ __ A
40	1200	28,8	1736	1301	897	AT22 40 063 V __ __ A

H 800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	420	14,2	743	556	383	AT22 14 080 V __ __ A
16	480	16,2	850	636	437	AT22 16 080 V __ __ A
18	540	18,2	956	715	492	AT22 18 080 V __ __ A
20	600	20,2	1062	795	547	AT22 20 080 V __ __ A
22	660	22,2	1168	874	601	AT22 22 080 V __ __ A
24	720	24,3	1274	954	656	AT22 24 080 V __ __ A
26	780	26,3	1381	1033	711	AT22 26 080 V __ __ A
28	840	28,3	1487	1112	765	AT22 28 080 V __ __ A
30	900	30,3	1593	1192	820	AT22 30 080 V __ __ A
32	960	32,4	1699	1271	875	AT22 32 080 V __ __ A
34	1020	34,4	1805	1351	929	AT22 34 080 V __ __ A
36	1080	36,4	1912	1430	984	AT22 36 080 V __ __ A
38	1140	38,4	2018	1510	1039	AT22 38 080 V __ __ A
40	1200	40,4	2124	1589	1093	AT22 40 080 V __ __ A

H 830 mm

8	240	7,4	438	327	225	AT22 08 083 V __ __ A
10	300	9,2	547	409	281	AT22 10 083 V __ __ A
12	360	11,0	656	491	338	AT22 12 083 V __ __ A
13	390	12,0	711	532	366	AT22 13 083 V __ __ A
14	420	12,9	766	573	394	AT22 14 083 V __ __ A
15	450	13,8	821	614	422	AT22 15 083 V __ __ A
16	480	14,7	875	655	450	AT22 16 083 V __ __ A
18	540	16,6	985	736	507	AT22 18 083 V __ __ A
20	600	18,4	1094	818	563	AT22 20 083 V __ __ A
22	660	20,2	1203	900	619	AT22 22 083 V __ __ A
24	720	22,1	1313	982	675	AT22 24 083 V __ __ A
26	780	23,9	1422	1064	732	AT22 26 083 V __ __ A
28	840	25,8	1532	1146	788	AT22 28 083 V __ __ A
30	900	27,6	1641	1227	844	AT22 30 083 V __ __ A

H 1000 mm

14	420	17,5	895	669	460	AT22 14 100 V __ __ A
16	480	20,0	1022	764	525	AT22 16 100 V __ __ A
17	510	21,2	1086	812	558	AT22 17 100 V __ __ A
18	540	22,5	1150	860	591	AT22 18 100 V __ __ A
19	570	23,7	1214	908	624	AT22 19 100 V __ __ A
20	600	25,0	1278	955	657	AT22 20 100 V __ __ A
22	660	27,5	1406	1051	722	AT22 22 100 V __ __ A
23	690	28,7	1470	1099	755	AT22 23 100 V __ __ A
24	720	30,0	1534	1146	788	AT22 24 100 V __ __ A
25	750	31,2	1598	1194	821	AT22 25 100 V __ __ A
26	780	32,4	1661	1242	854	AT22 26 100 V __ __ A
27	810	33,7	1725	1290	886	AT22 27 100 V __ __ A
28	840	34,9	1789	1338	919	AT22 28 100 V __ __ A
30	900	37,4	1917	1433	985	AT22 30 100 V __ __ A

H 1200 mm

14	420	18,3	1042	779	535	AT22 14 120 V __ __ A
16	480	21,0	1190	890	612	AT22 16 120 V __ __ A
17	510	22,3	1265	946	650	AT22 17 120 V __ __ A
18	540	23,6	1339	1001	688	AT22 18 120 V __ __ A
19	570	24,9	1414	1057	727	AT22 19 120 V __ __ A
20	600	26,2	1488	1113	765	AT22 20 120 V __ __ A
22	660	28,8	1637	1224	841	AT22 22 120 V __ __ A
23	690	30,1	1711	1280	880	AT22 23 120 V __ __ A
24	720	31,4	1786	1335	918	AT22 24 120 V __ __ A
25	750	32,8	1860	1391	956	AT22 25 120 V __ __ A
26	780	34,1	1934	1446	994	AT22 26 120 V __ __ A
27	810	35,4	2009	1502	1033	AT22 27 120 V __ __ A
28	840	36,7	2083	1558	1071	AT22 28 120 V __ __ A
30	900	39,3	2232	1669	1147	AT22 30 120 V __ __ A

H 1400 mm

8	240	12,2	676	506	348	AT22 08 140 V __ __ A
10	300	15,2	845	632	435	AT22 10 140 V __ __ A
12	360	18,2	1.014	758	521	AT22 12 140 V __ __ A
13	390	19,8	1.099	822	565	AT22 13 140 V __ __ A
14	420	21,3	1.183	885	608	AT22 14 140 V __ __ A
15	450	22,8	1.268	948	652	AT22 15 140 V __ __ A
16	480	24,3	1.352	1011	695	AT22 16 140 V __ __ A
18	540	27,4	1.521	1138	782	AT22 18 140 V __ __ A
20	600	30,4	1.690	1264	869	AT22 20 140 V __ __ A
22	660	33,4	1.859	1390	956	AT22 22 140 V __ __ A
24	720	36,5	2.028	1517	1043	AT22 24 140 V __ __ A
26	780	39,5	2.197	1643	1130	AT22 26 140 V __ __ A
28	840	42,6	2.366	1769	1217	AT22 28 140 V __ __ A
30	900	45,6	2.535	1896	1304	AT22 30 140 V __ __ A

ALICE 22

TANDEM VERTICAL

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1600 mm						
8	240	13,8	754	563	387	AT22 08 160 V __ __ A
10	300	17,2	942	704	483	AT22 10 160 V __ __ A
12	360	20,6	1.130	845	580	AT22 12 160 V __ __ A
14	420	24,1	1.319	985	677	AT22 14 160 V __ __ A
15	450	25,8	1.413	1056	725	AT22 15 160 V __ __ A
16	480	27,5	1.507	1126	773	AT22 16 160 V __ __ A
17	510	29,2	1.601	1197	822	AT22 17 160 V __ __ A
18	540	31,0	1.696	1267	870	AT22 18 160 V __ __ A
19	570	32,7	1.790	1337	918	AT22 19 160 V __ __ A
20	600	34,4	1.884	1408	967	AT22 20 160 V __ __ A
21	630	36,1	1.978	1478	1015	AT22 21 160 V __ __ A
22	660	37,8	2.072	1549	1064	AT22 22 160 V __ __ A
23	690	39,6	2.167	1619	1112	AT22 23 160 V __ __ A
24	720	41,3	2.261	1689	1160	AT22 24 160 V __ __ A
25	750	43,0	2.355	1760	1209	AT22 25 160 V __ __ A
26	780	44,7	2.449	1830	1257	AT22 26 160 V __ __ A
27	810	46,4	2.543	1900	1305	AT22 27 160 V __ __ A
28	840	48,2	2.638	1971	1354	AT22 28 160 V __ __ A
29	870	49,9	2.732	2041	1402	AT22 29 160 V __ __ A
30	900	51,6	2.826	2112	1450	AT22 30 160 V __ __ A

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1800 mm						
8	240	15,4	829	618	423	AT22 08 180 V __ __ A
10	300	19,3	1036	773	529	AT22 10 180 V __ __ A
12	360	23,2	1243	927	635	AT22 12 180 V __ __ A
14	420	27,0	1450	1082	741	AT22 14 180 V __ __ A
15	450	29,0	1554	1159	794	AT22 15 180 V __ __ A
16	480	30,9	1658	1236	847	AT22 16 180 V __ __ A
17	510	32,8	1761	1313	900	AT22 17 180 V __ __ A
18	540	34,7	1865	1391	953	AT22 18 180 V __ __ A
19	570	36,7	1968	1468	1006	AT22 19 180 V __ __ A
20	600	38,6	2072	1545	1058	AT22 20 180 V __ __ A
21	630	40,5	2176	1622	1111	AT22 21 180 V __ __ A
22	660	42,5	2279	1700	1164	AT22 22 180 V __ __ A
23	690	44,4	2383	1777	1217	AT22 23 180 V __ __ A
24	720	46,3	2486	1854	1270	AT22 24 180 V __ __ A
25	750	48,3	2590	1931	1323	AT22 25 180 V __ __ A
26	780	50,2	2694	2009	1376	AT22 26 180 V __ __ A
27	810	52,1	2797	2086	1429	AT22 27 180 V __ __ A
28	840	54,0	2901	2163	1482	AT22 28 180 V __ __ A
29	870	56,0	3004	2240	1535	AT22 29 180 V __ __ A
30	900	57,9	3108	2318	1588	AT22 30 180 V __ __ A

H 2000 mm						
6	180	12,8	676	503	344	AT22 06200 V __ __ A
8	240	17,1	902	671	458	AT22 08 200 V __ __ A
10	300	21,4	1127	839	573	AT22 10 200 V __ __ A
12	360	25,7	1352	1006	688	AT22 12 200 V __ __ A
14	420	30,0	1578	1174	802	AT22 14 200 V __ __ A
15	450	32,1	1691	1258	860	AT22 15 200 V __ __ A
16	480	34,2	1803	1342	917	AT22 16 200 V __ __ A
17	510	36,4	1916	1426	974	AT22 17 200 V __ __ A
18	540	38,5	2029	1510	1032	AT22 18 200 V __ __ A
19	570	40,7	2141	1594	1089	AT22 19 200 V __ __ A
20	600	42,8	2254	1677	1146	AT22 20 200 V __ __ A
22	660	47,1	2479	1845	1261	AT22 22 200 V __ __ A
24	720	51,4	2705	2013	1375	AT22 24 200 V __ __ A
26	780	55,6	2930	2181	1490	AT22 26 200 V __ __ A

H 2500 mm						
6	180	16,0	806	597	405	AT22 06 250 V __ __ A
8	240	21,3	1075	796	541	AT22 08 250 V __ __ A
10	300	26,6	1344	995	676	AT22 10 250 V __ __ A
12	360	31,9	1613	1194	811	AT22 12 250 V __ __ A
14	420	37,2	1882	1393	946	AT22 14 250 V __ __ A
15	450	39,9	2016	1493	1013	AT22 15 250 V __ __ A
16	480	42,6	2150	1592	1081	AT22 16 250 V __ __ A
17	510	45,2	2285	1692	1149	AT22 17 250 V __ __ A
18	540	47,9	2419	1791	1216	AT22 18 250 V __ __ A
19	570	50,5	2554	1891	1284	AT22 19 250 V __ __ A
20	600	53,2	2688	1990	1351	AT22 20 250 V __ __ A
22	660	58,5	2957	2190	1486	AT22 22 250 V __ __ A
24	720	63,8	3226	2389	1622	AT22 24 250 V __ __ A
26	780	69,2	3494	2588	1757	AT22 26 250 V __ __ A

HOW TO ORDER THE ALICE 22 TANDEM VERTICAL RADIATOR

Radiator model E.g.: ALICE 22 TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V08	Color code Es: R01 - White	Constant value
AT22	24	080	V08	R01	A

Example of article code creation

AT22 ALICE 22 TANDEM VERTICAL
24 24 Elements
080 Height 800 mm
V08 Connection V08 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
AT22 24 080 V08 R01 A

ALICE 22

TANDEM HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,478	0,582	0,685	0,789	0,893	1,1	1,307	1,515	1,618
Water content [lt]	0,286	0,349	0,411	0,474	0,537	0,663	0,788	0,914	0,977
Element surface [m²]	0,061	0,075	0,089	0,102	0,116	0,144	0,172	0,199	0,213
Pipe Centres I [mm] (H1 only)	**370**	**470**	**570**	**670**	**770**	**970**	**1170**	**1370**	**1470**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	1,722	1,826	1,929	2,033	2,137	2,24	2,344	2,448	2,655
Water content [lt]	1,04	1,102	1,165	1,228	1,291	1,354	1,417	1,479	1,605
Element surface [m²]	0,227	0,241	0,254	0,268	0,282	0,296	0,31	0,324	0,351
Pipe Centres I [mm] (H1 only)	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 22 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

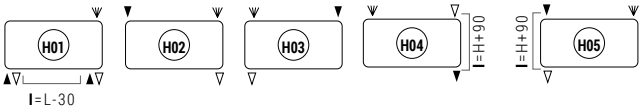
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

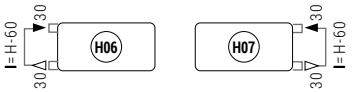
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



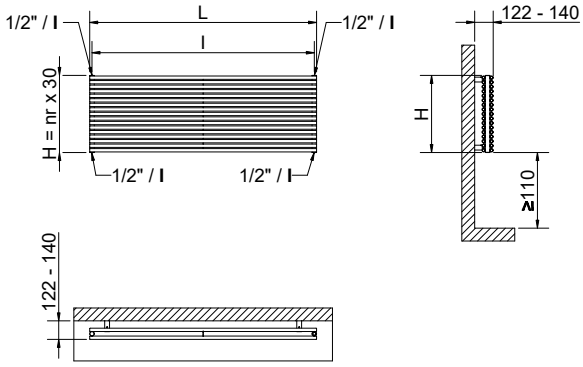
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap

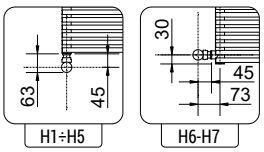


AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Quotes for Kristal valves



Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

All intermediate sizes for heights from 5 to 42 Elements and widths from 500 to 2500 mm.

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
150	5	106	133	159	186	212	265	319	372	398	145	1,1859
180	6	135	168	202	236	269	337	404	471	505	183	1,1897
210	7	164	205	246	287	328	409	491	573	614	223	1,1935
240	8	193	242	290	338	386	483	580	676	725	262	1,1973
270	9	223	278	334	390	446	557	668	780	835	302	1,2011
300	10	252	315	378	441	504	630	756	883	946	341	1,2049
330	11	281	352	422	492	562	703	844	984	1055	379	1,2087
360	12	310	387	465	542	620	775	929	1084	1162	417	1,2126
390	13	338	422	507	591	676	845	1013	1182	1267	454	1,2164
420	14	365	456	548	639	730	913	1095	1278	1369	489	1,2202
450	15	392	490	588	686	783	979	1175	1371	1469	524	1,2240
480	16	418	522	626	731	835	1044	1253	1461	1566	557	1,2278
510	17	442	553	664	774	885	1106	1327	1548	1659	590	1,2316
540	18	466	583	700	816	933	1166	1399	1632	1749	620	1,2354
570	19	489	612	734	857	979	1224	1468	1713	1835	650	1,2393
600	20	512	639	767	895	1023	1279	1535	1790	1918	678	1,2431
630	21	533	666	799	932	1065	1332	1598	1864	1998	704	1,2469
660	22	553	691	829	967	1106	1382	1659	1935	2073	730	1,2507
690	23	572	715	858	1001	1144	1430	1716	2002	2145	753	1,2545
720	24	590	738	885	1033	1180	1475	1770	2066	2213	776	1,2583
750	25	607	759	911	1063	1215	1518	1822	2126	2278	799	1,2564
780	26	624	780	935	1091	1247	1559	1871	2183	2339	821	1,2545
810	27	639	799	958	1118	1278	1597	1916	2236	2396	842	1,2526
840	28	653	816	980	1143	1306	1633	1959	2286	2449	862	1,2507
870	29	667	833	1000	1166	1333	1666	2000	2333	2500	880	1,2488
900	30	679	849	1019	1188	1358	1698	2037	2377	2546	898	1,2469
930	31	691	863	1036	1208	1381	1726	2072	2417	2590	914	1,2450
960	32	701	877	1052	1227	1402	1753	2104	2454	2630	929	1,2431
990	33	711	889	1067	1244	1422	1778	2133	2489	2666	943	1,2412
1020	34	720	900	1080	1260	1440	1800	2160	2520	2700	956	1,2393
1050	35	728	910	1092	1274	1456	1821	2185	2549	2731	968	1,2374
1080	36	736	919	1103	1287	1471	1839	2207	2574	2758	978	1,2355
1110	37	742	928	1113	1299	1484	1855	2226	2598	2783	988	1,2336
1140	38	748	935	1122	1309	1496	1870	2244	2618	2805	997	1,2317
1170	39	753	941	1130	1318	1506	1883	2259	2636	2824	1005	1,2298
1200	40	758	947	1136	1326	1515	1894	2273	2651	2841	1011	1,2279
1230	41	761	952	1142	1332	1523	1903	2284	2664	2855	1017	1,2260
1260	42	764	955	1147	1338	1529	1911	2293	2675	2866	1023	1,2241

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
150	5	425	451	478	504	531	558	584	611	664	129	1,1948
180	6	539	572	606	640	673	707	741	774	842	165	1,1978
210	7	655	696	737	778	819	860	901	942	1024	201	1,2008
240	8	773	821	870	918	966	1015	1063	1111	1208	238	1,2038
270	9	891	947	1002	1058	1114	1170	1225	1281	1392	276	1,2068
300	10	1009	1072	1135	1198	1261	1324	1387	1450	1576	313	1,2098
330	11	1125	1195	1265	1336	1406	1476	1547	1617	1758	351	1,2128
360	12	1239	1317	1394	1472	1549	1627	1704	1781	1936	388	1,2158
390	13	1351	1436	1520	1605	1689	1774	1858	1942	2111	425	1,2188
420	14	1461	1552	1643	1734	1826	1917	2008	2100	2282	461	1,2218
450	15	1567	1665	1763	1861	1959	2057	2155	2252	2448	497	1,2248
480	16	1670	1774	1879	1983	2088	2192	2296	2401	2610	558	1,2278
510	17	1770	1880	1991	2101	2212	2323	2433	2544	2765	590	1,2316
540	18	1866	1982	2099	2215	2332	2449	2565	2682	2915	620	1,2354
570	19	1958	2080	2202	2325	2447	2570	2692	2814	3059	650	1,2393
600	20	2046	2174	2302	2430	2558	2686	2814	2941	3197	678	1,2431
630	21	2131	2264	2397	2530	2663	2797	2930	3063	3329	704	1,2469
660	22	2211	2350	2488	2626	2764	2902	3041	3179	3455	730	1,2507
690	23	2288	2431	2574	2717	2860	3003	3146	3289	3575	753	1,2545
720	24	2361	2508	2656	2803	2951	3098	3246	3393	3689	776	1,2583
750	25	2429	2581	2733	2885	3037	3189	3340	3492	3796	799	1,2564
780	26	2494	2650	2806	2962	3118	3274	3430	3586	3898	821	1,2545
810	27	2555	2715	2875	3034	3194	3354	3513	3673	3993	842	1,2526
840	28	2613	2776	2939	3103	3266	3429	3592	3756	4082	862	1,2507
870	29	2666	2833	3000	3166	3333	3499	3666	3833	4166	881	1,2488
900	30	2716	2886	3056	3225	3395	3565	3735	3904	4244	898	1,2469
930	31	2762	2935	3108	3280	3453	3625	3798	3971	4316	914	1,2450
960	32	2805	2980	3156	3331	3506	3682	3857	4032	4383	929	1,2431
990	33	2844	3022	3200	3377	3555	3733	3911	4088	4444	943	1,2412
1020	34	2880	3060	3240	3420	3600	3780	3960	4140	4500	956	1,2393
1050	35	2913	3095	3277	3459	3641	3823	4005	4187	4551	968	1,2374
1080	36	2942	3126	3310	3494	3678	3862	4046	4229	4597	978	1,2355
1110	37	2969	3154	3340	3525	3711	3896	4082	4267	4639	988	1,2336
1140	38	2992	3179	3366	3553	3740	3927	4114	4301	4675	997	1,2317
1170	39	3012	3201	3389	3577	3766	3954	4142	4330	4707	1055	1,2312
1200	40	3030	3219	3409	3598	3788	3977	4166	4356	4735	1065	1,2294
1230	41	3045	3235	3426	3616	3806	3997	4187	4377	4758	1075	1,2276
1260	42	3057	3249	3440	3631	3822	4013	4204	4395	4777	1084	1,2258

ALICE 22

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 330 mm							
11	400	1,2087	5,3	281	215	152	AT22 11 040 H __ __ A
	500	1,2087	6,4	352	269	190	AT22 11 050 H __ __ A
	600	1,2087	7,5	422	322	228	AT22 11 060 H __ __ A
	700	1,2087	8,7	492	376	265	AT22 11 070 H __ __ A
	800	1,2087	9,8	562	429	303	AT22 11 080 H __ __ A
	1000	1,2087	12,1	703	537	379	AT22 11 100 H __ __ A
	1200	1,2087	14,4	844	644	455	AT22 11 120 H __ __ A
	1400	1,2087	16,7	984	751	531	AT22 11 140 H __ __ A
	1500	1,2087	17,8	1055	806	569	AT22 11 150 H __ __ A
	1600	1,2087	18,9	1125	859	607	AT22 11 160 H __ __ A
	1700	1,2087	20,1	1195	912	644	AT22 11 170 H __ __ A
	1800	1,2087	21,2	1265	966	682	AT22 11 180 H __ __ A
	1900	1,2087	22,4	1336	1020	721	AT22 11 190 H __ __ A
	2000	1,2087	23,5	1406	1074	758	AT22 11 200 H __ __ A
	2100	1,2087	24,6	1476	1127	796	AT22 11 210 H __ __ A
	2200	1,2087	25,8	1547	1181	834	AT22 11 220 H __ __ A
	2300	1,2087	26,9	1617	1235	872	AT22 11 230 H __ __ A
	2500	1,2087	29,2	1758	1342	948	AT22 11 250 H __ __ A
H 360 mm							
12	400	1,2126	5,7	310	237	167	AT22 12 040 H __ __ A
	500	1,2126	7,0	387	295	208	AT22 12 050 H __ __ A
	600	1,2126	8,2	465	355	250	AT22 12 060 H __ __ A
	700	1,2126	9,5	542	414	292	AT22 12 070 H __ __ A
	800	1,2126	10,7	620	473	334	AT22 12 080 H __ __ A
	1000	1,2126	13,2	775	591	417	AT22 12 100 H __ __ A
	1200	1,2126	15,7	929	709	500	AT22 12 120 H __ __ A
	1400	1,2126	18,2	1084	827	583	AT22 12 140 H __ __ A
	1500	1,2126	19,4	1162	887	625	AT22 12 150 H __ __ A
	1600	1,2126	20,7	1239	945	667	AT22 12 160 H __ __ A
	1700	1,2126	21,9	1317	1005	709	AT22 12 170 H __ __ A
	1800	1,2126	23,1	1394	1064	750	AT22 12 180 H __ __ A
	1900	1,2126	24,4	1472	1123	792	AT22 12 190 H __ __ A
	2000	1,2126	25,6	1549	1182	834	AT22 12 200 H __ __ A
	2100	1,2126	26,9	1627	1241	876	AT22 12 210 H __ __ A
	2200	1,2126	28,1	1704	1300	917	AT22 12 220 H __ __ A
	2300	1,2126	29,4	1781	1359	959	AT22 12 230 H __ __ A
	2500	1,2126	31,9	1936	1477	1042	AT22 12 250 H __ __ A
H 420 mm							
14	400	1,2202	6,7	365	278	196	AT22 14 040 H __ __ A
	500	1,2202	8,1	456	347	244	AT22 14 050 H __ __ A
	600	1,2202	9,6	548	417	294	AT22 14 060 H __ __ A
	700	1,2202	11,0	639	487	343	AT22 14 070 H __ __ A
	800	1,2202	12,5	730	556	391	AT22 14 080 H __ __ A
	1000	1,2202	15,4	913	695	490	AT22 14 100 H __ __ A
	1200	1,2202	18,3	1095	834	587	AT22 14 120 H __ __ A
	1400	1,2202	21,2	1278	973	685	AT22 14 140 H __ __ A
	1500	1,2202	22,7	1369	1043	734	AT22 14 150 H __ __ A
	1600	1,2202	24,1	1461	1113	783	AT22 14 160 H __ __ A
	1700	1,2202	25,6	1552	1182	832	AT22 14 170 H __ __ A
	1800	1,2202	27,0	1643	1251	881	AT22 14 180 H __ __ A
	1900	1,2202	28,5	1734	1321	930	AT22 14 190 H __ __ A
	2000	1,2202	29,9	1826	1391	979	AT22 14 200 H __ __ A
	2100	1,2202	31,4	1917	1460	1028	AT22 14 210 H __ __ A
	2200	1,2202	32,8	2008	1529	1077	AT22 14 220 H __ __ A
	2300	1,2202	34,3	2100	1599	1126	AT22 14 230 H __ __ A
	2500	1,2202	37,2	2282	1738	1224	AT22 14 250 H __ __ A

ALICE 22

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
H 480 mm							
16	400	1,2278	7,6	418	318	223	AT22 16 040 H __ __ A
	500	1,2278	9,3	522	397	279	AT22 16 050 H __ __ A
	600	1,2278	11,0	626	476	334	AT22 16 060 H __ __ A
	700	1,2278	12,6	731	556	390	AT22 16 070 H __ __ A
	800	1,2278	14,3	835	635	446	AT22 16 080 H __ __ A
	1000	1,2278	17,6	1044	794	558	AT22 16 100 H __ __ A
	1200	1,2278	20,9	1253	953	669	AT22 16 120 H __ __ A
	1400	1,2278	24,2	1461	1111	780	AT22 16 140 H __ __ A
	1500	1,2278	25,9	1566	1191	836	AT22 16 150 H __ __ A
	1600	1,2278	27,6	1670	1270	892	AT22 16 160 H __ __ A
	1700	1,2278	29,2	1774	1349	947	AT22 16 170 H __ __ A
	1800	1,2278	30,8	1879	1429	1004	AT22 16 180 H __ __ A
	1900	1,2278	32,5	1983	1508	1059	AT22 16 190 H __ __ A
	2000	1,2278	34,2	2088	1588	1115	AT22 16 200 H __ __ A
	2100	1,2278	35,8	2192	1667	1171	AT22 16 210 H __ __ A
	2200	1,2278	37,5	2296	1746	1226	AT22 16 220 H __ __ A
	2300	1,2278	39,2	2401	1826	1282	AT22 16 230 H __ __ A
	2500	1,2278	42,5	2610	1985	1394	AT22 16 250 H __ __ A
H 510 mm							
17	400	1,2316	8,1	442	336	236	AT22 17 040 H __ __ A
	500	1,2316	9,9	553	420	295	AT22 17 050 H __ __ A
	600	1,2316	11,6	664	504	354	AT22 17 060 H __ __ A
	700	1,2316	13,4	774	588	413	AT22 17 070 H __ __ A
	800	1,2316	15,2	885	672	472	AT22 17 080 H __ __ A
	1000	1,2316	18,7	1106	840	590	AT22 17 100 H __ __ A
	1200	1,2316	22,2	1327	1008	707	AT22 17 120 H __ __ A
	1400	1,2316	25,8	1548	1176	825	AT22 17 140 H __ __ A
	1500	1,2316	27,5	1659	1260	884	AT22 17 150 H __ __ A
	1600	1,2316	29,3	1770	1345	943	AT22 17 160 H __ __ A
	1700	1,2316	31,0	1880	1428	1002	AT22 17 170 H __ __ A
	1800	1,2316	32,7	1991	1513	1061	AT22 17 180 H __ __ A
	1900	1,2316	34,6	2101	1596	1120	AT22 17 190 H __ __ A
	2000	1,2316	36,3	2212	1680	1179	AT22 17 200 H __ __ A
	2100	1,2316	38,1	2323	1765	1238	AT22 17 210 H __ __ A
	2200	1,2316	39,8	2433	1848	1297	AT22 17 220 H __ __ A
	2300	1,2316	41,6	2544	1933	1356	AT22 17 230 H __ __ A
	2500	1,2316	45,1	2765	2101	1474	AT22 17 250 H __ __ A
H 570 mm							
19	400	1,2393	9,1	489	371	260	AT22 19 040 H __ __ A
	500	1,2393	11,1	612	464	325	AT22 19 050 H __ __ A
	600	1,2393	13,0	734	557	390	AT22 19 060 H __ __ A
	700	1,2393	15,0	857	650	455	AT22 19 070 H __ __ A
	800	1,2393	17,0	979	742	520	AT22 19 080 H __ __ A
	1000	1,2393	20,9	1224	928	650	AT22 19 100 H __ __ A
	1200	1,2393	24,8	1468	1113	779	AT22 19 120 H __ __ A
	1400	1,2393	28,8	1713	1299	910	AT22 19 140 H __ __ A
	1500	1,2393	30,7	1835	1392	974	AT22 19 150 H __ __ A
	1600	1,2393	32,7	1958	1485	1040	AT22 19 160 H __ __ A
	1700	1,2393	34,7	2080	1577	1104	AT22 19 170 H __ __ A
	1800	1,2393	36,6	2202	1670	1169	AT22 19 180 H __ __ A
	1900	1,2393	38,6	2325	1763	1235	AT22 19 190 H __ __ A
	2000	1,2393	40,6	2447	1856	1299	AT22 19 200 H __ __ A
	2100	1,2393	42,6	2570	1949	1365	AT22 19 210 H __ __ A
	2200	1,2393	44,5	2692	2042	1429	AT22 19 220 H __ __ A
	2300	1,2393	46,5	2814	2134	1494	AT22 19 230 H __ __ A
	2500	1,2393	50,4	3059	2320	1624	AT22 19 250 H __ __ A

HOW TO ORDER THE ALICE 22 TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Alice 22 tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
AT22	12	120	H04	R01	A

Example of article code creation

AT22 ALICE TANDEM 22 HORIZONTAL
12 12 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

AT22 12 120 H04 R01 A

ALICE 25

VERTICAL

WARRANTY **5 YEARS**



Color: RAL 1021 - R05 Yellow rape

Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	23	27,7	32,2	36,7	41,2	49,9	58,8	67,1	71,4
Therm. output per el. Δt = 30 °C [Watt]	12,2	14,7	17,1	19,5	21,8	26,4	31	35,5	37,7
Dry Weight per element [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907	0,967
Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624	0,666
Element surface [m²]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117	0,125
Exponent **n**	1,2335	1,2352	1,2369	1,2386	1,2403	1,2437	1,2460	1,2484	1,2496
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**570**	**670**	**770**	**970**	**1170**	**1370**	**1470**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	75,7	80	84,4	88,7	93	97,4	101,8	106,1	115
Therm. output per el. Δt = 30 °C [Watt]	40	42,2	44,4	46,6	48,9	51,1	53,3	55,6	60,2
Dry Weight per element [kg]	1,026	1,085	1,144	1,204	1,263	1,322	1,381	1,441	1,559
Water content [lt]	0,707	0,749	0,790	0,832	0,873	0,915	0,956	0,998	1,081
Element surface [m²]	0,133	0,140	0,148	0,156	0,164	0,172	0,180	0,188	0,203
Exponent **n**	1,2507	1,2532	1,2556	1,2580	1,2604	1,2629	1,2653	1,2677	1,2702
Pipe Centres I [mm] (V3-V4 only)	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 25 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

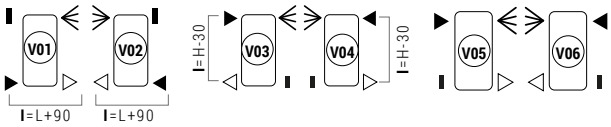
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

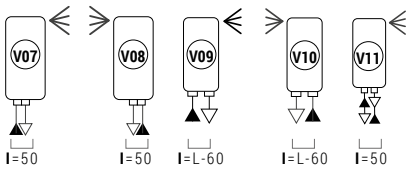
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS

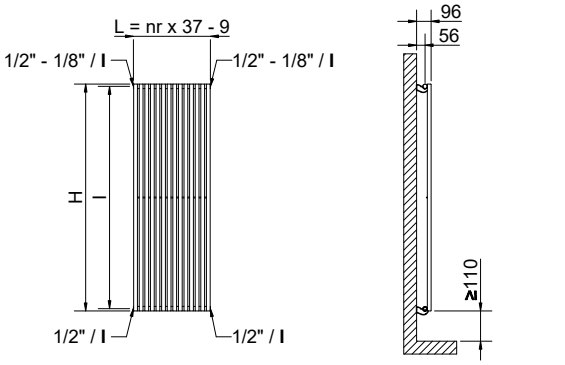


SPECIAL CONNECTIONS

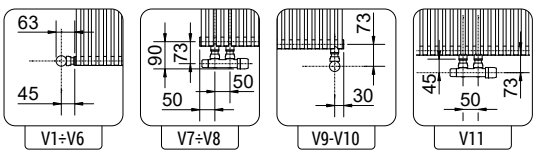


Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND
In — I Pipe Centres
Out — L Width
Airvent — Connection
H Height — Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
176	**5**	115	139	161	184	206	250	294	336	357
213	**6**	138	166	193	220	247	299	353	403	428
250	**7**	161	194	225	257	288	349	412	470	500
287	**8**	184	222	258	294	330	399	470	537	571
324	**9**	207	249	290	330	371	449	529	604	643
361	**10**	230	277	322	367	412	499	588	671	714
398	**11**	253	305	354	404	453	549	647	738	785
435	**12**	276	332	386	440	494	599	706	805	857
472	**13**	299	360	419	477	536	649	764	872	928
509	**14**	322	388	451	514	577	699	823	939	1000
546	**15**	345	416	483	551	618	749	882	1007	1071
583	**16**	368	443	515	587	659	798	941	1074	1142
620	**17**	391	471	547	624	700	848	1000	1141	1214
657	**18**	414	499	580	661	742	898	1058	1208	1285
694	**19**	437	526	612	697	783	948	1117	1275	1357
731	**20**	460	554	644	734	824	998	1176	1342	1428
768	**21**	483	582	676	771	865	1048	1235	1409	1499
805	**22**	506	609	708	807	906	1098	1294	1476	1571
842	**23**	529	637	741	844	948	1148	1352	1543	1642
879	**24**	552	665	773	881	989	1198	1411	1610	1714
916	**25**	575	693	805	918	1030	1248	1470	1678	1785
953	**26**	598	720	837	954	1071	1297	1529	1745	1856
990	**27**	621	748	869	991	1112	1347	1588	1812	1928
1027	**28**	644	776	902	1028	1154	1397	1646	1879	1999
1064	**29**	667	803	934	1064	1195	1447	1705	1946	2071
1101	**30**	690	831	966	1101	1236	1497	1764	2013	2142
1138	**31**	713	859	998	1138	1277	1547	1823	2080	2213
1175	**32**	736	886	1030	1174	1318	1597	1882	2147	2285
1212	**33**	759	914	1063	1211	1360	1647	1940	2214	2356
1249	**34**	782	942	1095	1248	1401	1697	1999	2281	2428
1286	**35**	805	970	1127	1285	1442	1747	2058	2349	2499
1323	**36**	828	997	1159	1321	1483	1796	2117	2416	2570
1360	**37**	851	1025	1191	1358	1524	1846	2176	2483	2642
1397	**38**	874	1053	1224	1395	1566	1896	2234	2550	2713
1434	**39**	897	1080	1256	1431	1607	1946	2293	2617	2785
1471	**40**	920	1108	1288	1468	1648	1996	2352	2684	2856
1508	**41**	943	1136	1320	1505	1689	2046	2411	2751	2927
1545	**42**	966	1163	1352	1541	1730	2096	2470	2818	2999

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
176	**5**	379	400	422	444	465	487	509	531	575
213	**6**	454	480	506	532	558	584	611	637	690
250	**7**	530	560	591	621	651	682	713	743	805
287	**8**	606	640	675	710	744	779	814	849	920
324	**9**	681	720	760	798	837	877	916	955	1035
361	**10**	757	800	844	887	930	974	1018	1061	1150
398	**11**	833	880	928	976	1023	1071	1120	1167	1265
435	**12**	908	960	1013	1064	1116	1169	1222	1273	1380
472	**13**	984	1040	1097	1153	1209	1266	1323	1379	1495
509	**14**	1060	1120	1182	1242	1302	1364	1425	1485	1610
546	**15**	1136	1200	1266	1331	1395	1461	1527	1592	1725
583	**16**	1211	1280	1350	1419	1488	1558	1629	1698	1840
620	**17**	1287	1360	1435	1508	1581	1656	1731	1804	1955
657	**18**	1363	1440	1519	1597	1674	1753	1832	1910	2070
694	**19**	1438	1520	1604	1685	1767	1851	1934	2016	2185
731	**20**	1514	1600	1688	1774	1860	1948	2036	2122	2300
768	**21**	1590	1680	1772	1863	1953	2045	2138	2228	2415
805	**22**	1665	1760	1857	1951	2046	2143	2240	2334	2530
842	**23**	1741	1840	1941	2040	2139	2240	2341	2440	2645
879	**24**	1817	1920	2026	2129	2232	2338	2443	2546	2760
916	**25**	1893	2000	2110	2218	2325	2435	2545	2653	2875
953	**26**	1968	2080	2194	2306	2418	2532	2647	2759	2990
990	**27**	2044	2160	2279	2395	2511	2630	2749	2865	3105
1027	**28**	2120	2240	2363	2484	2604	2727	2850	2971	3220
1064	**29**	2195	2320	2448	2572	2697	2825	2952	3077	3335
1101	**30**	2271	2400	2532	2661	2790	2922	3054	3183	3450
1138	**31**	2347	2480	2616	2750	2883	3019	3156	3289	3565
1175	**32**	2422	2560	2701	2838	2976	3117	3258	3395	3680
1212	**33**	2498	2640	2785	2927	3069	3214	3359	3501	3795
1249	**34**	2574	2720	2870	3016	3162	3312	3461	3607	3910
1286	**35**	2650	2800	2954	3105	3255	3409	3563	3714	4025
1323	**36**	2725	2880	3038	3193	3348	3506	3665	3820	4140
1360	**37**	2801	2960	3123	3282	3441	3604	3767	3926	4255
1397	**38**	2877	3040	3207	3371	3534	3701	3868	4032	4370
1434	**39**	2952	3120	3292	3459	3627	3799	3970	4138	4485
1471	**40**	3028	3200	3376	3548	3720	3896	4072	4244	4600
1508	**41**	3104	3280	3460	3637	3813	3993	4174	4350	4715
1545	**42**	3179	3360	3545	3725	3906	4091	4276	4456	4830

ALICE 25

VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	361	3,2	277	210	147	AL25 10 050 V __ __ A
12	435	3,8	332	252	177	AL25 12 050 V __ __ A
14	509	4,4	388	294	206	AL25 14 050 V __ __ A
16	583	5,0	443	336	236	AL25 16 050 V __ __ A
18	657	5,7	499	378	265	AL25 18 050 V __ __ A
20	731	6,3	554	421	295	AL25 20 050 V __ __ A
22	805	6,9	609	463	324	AL25 22 050 V __ __ A
24	879	7,6	665	505	354	AL25 24 050 V __ __ A
25	916	7,9	693	526	368	AL25 25 050 V __ __ A
26	953	8,2	720	547	383	AL25 26 050 V __ __ A
28	1027	8,8	776	589	413	AL25 28 050 V __ __ A
30	1101	9,5	831	631	442	AL25 30 050 V __ __ A
32	1175	10,1	886	673	472	AL25 32 050 V __ __ A
33	1212	10,4	914	694	486	AL25 33 050 V __ __ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
10	361	4,3	322	244	171	AL25 10 060 V __ __ A
12	435	5,2	386	293	205	AL25 12 060 V __ __ A
14	509	6,1	451	342	240	AL25 14 060 V __ __ A
16	583	6,9	515	391	274	AL25 16 060 V __ __ A
18	657	7,8	580	440	308	AL25 18 060 V __ __ A
20	731	8,7	644	489	342	AL25 20 060 V __ __ A
22	805	9,5	708	538	377	AL25 22 060 V __ __ A
24	879	10,4	773	586	411	AL25 24 060 V __ __ A
25	916	10,9	805	611	428	AL25 25 060 V __ __ A
26	953	11,3	837	635	445	AL25 26 060 V __ __ A
28	1027	12,2	902	684	479	AL25 28 060 V __ __ A
30	1101	13,0	966	733	514	AL25 30 060 V __ __ A
32	1175	13,9	1030	782	548	AL25 32 060 V __ __ A
33	1212	14,3	1063	806	565	AL25 33 060 V __ __ A

H 700 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	3,9	294	223	156	AL25 08 070 V __ __ A
10	361	4,9	367	278	195	AL25 10 070 V __ __ A
12	435	5,9	440	334	234	AL25 12 070 V __ __ A
14	509	6,9	514	390	273	AL25 14 070 V __ __ A
16	583	7,9	587	445	312	AL25 16 070 V __ __ A
18	657	8,9	661	501	351	AL25 18 070 V __ __ A
20	731	9,9	734	557	390	AL25 20 070 V __ __ A
22	805	10,8	807	612	429	AL25 22 070 V __ __ A
24	879	11,8	881	668	468	AL25 24 070 V __ __ A
26	953	12,8	954	724	507	AL25 26 070 V __ __ A
28	1027	13,8	1028	779	546	AL25 28 070 V __ __ A
30	1101	14,8	1101	835	585	AL25 30 070 V __ __ A
32	1175	15,8	1174	891	624	AL25 32 070 V __ __ A
33	1212	16,3	1211	919	643	AL25 33 070 V __ __ A

H 800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	4,4	330	250	175	AL25 08 080 V __ __ A
10	361	5,5	412	312	219	AL25 10 080 V __ __ A
12	435	6,6	494	375	262	AL25 12 080 V __ __ A
14	509	7,7	577	437	306	AL25 14 080 V __ __ A
16	583	8,8	659	500	350	AL25 16 080 V __ __ A
18	657	9,9	742	562	394	AL25 18 080 V __ __ A
20	731	11,0	824	625	437	AL25 20 080 V __ __ A
22	805	12,1	906	687	481	AL25 22 080 V __ __ A
24	879	13,2	989	750	525	AL25 24 080 V __ __ A
26	953	14,4	1071	812	568	AL25 26 080 V __ __ A
28	1027	15,5	1154	875	612	AL25 28 080 V __ __ A
30	1101	16,6	1236	937	656	AL25 30 080 V __ __ A
32	1175	17,7	1318	1000	700	AL25 32 080 V __ __ A
33	1212	18,2	1360	1031	722	AL25 33 080 V __ __ A

H 1000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	5,4	399	302	211	AL25 08 100 V __ __ A
10	361	6,7	499	378	264	AL25 10 100 V __ __ A
12	435	8,0	599	454	317	AL25 12 100 V __ __ A
14	509	9,4	699	529	370	AL25 14 100 V __ __ A
15	546	10,1	749	567	397	AL25 15 100 V __ __ A
16	583	10,7	798	605	423	AL25 16 100 V __ __ A
18	657	12,1	898	681	476	AL25 18 100 V __ __ A
19	694	12,7	948	718	502	AL25 19 100 V __ __ A
20	731	13,4	998	756	529	AL25 20 100 V __ __ A
22	805	14,7	1098	832	582	AL25 22 100 V __ __ A
24	879	16,1	1198	907	634	AL25 24 100 V __ __ A
26	953	17,4	1297	983	687	AL25 26 100 V __ __ A
28	1027	18,8	1397	1059	740	AL25 28 100 V __ __ A
30	1101	20,1	1497	1134	793	AL25 30 100 V __ __ A

H 1200 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	6,3	470	356	249	AL25 08 120 V __ __ A
10	361	7,9	588	445	311	AL25 10 120 V __ __ A
12	435	9,5	706	534	373	AL25 12 120 V __ __ A
14	509	11,0	823	623	436	AL25 14 120 V __ __ A
15	546	11,8	882	668	467	AL25 15 120 V __ __ A
16	583	12,6	941	712	498	AL25 16 120 V __ __ A
18	657	14,2	1058	801	560	AL25 18 120 V __ __ A
19	694	15,0	1117	846	591	AL25 19 120 V __ __ A
20	731	15,8	1176	891	622	AL25 20 120 V __ __ A
22	805	17,4	1294	980	685	AL25 22 120 V __ __ A
24	879	18,9	1411	1069	747	AL25 24 120 V __ __ A
26	953	20,5	1529	1158	809	AL25 26 120 V __ __ A
28	1027	22,1	1646	1247	871	AL25 28 120 V __ __ A
30	1101	23,7	1764	1336	933	AL25 30 120 V __ __ A

ALICE 25

VERTICAL

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1400 mm						
8	287	7,3	537	406	284	AL25 08 140 V __ __ A
10	361	9,1	671	508	355	AL25 10 140 V __ __ A
12	435	10,9	805	609	426	AL25 12 140 V __ __ A
14	509	12,7	939	711	496	AL25 14 140 V __ __ A
15	546	13,6	1.007	762	532	AL25 15 140 V __ __ A
16	583	14,5	1.074	813	567	AL25 16 140 V __ __ A
18	657	16,3	1.208	914	638	AL25 18 140 V __ __ A
20	731	18,1	1.342	1016	709	AL25 20 140 V __ __ A
22	805	20,0	1.476	1117	780	AL25 22 140 V __ __ A
24	879	21,8	1.610	1219	851	AL25 24 140 V __ __ A
25	916	22,7	1.678	1270	887	AL25 25 140 V __ __ A
26	953	23,6	1.745	1320	922	AL25 26 140 V __ __ A
28	1027	25,4	1.879	1422	993	AL25 28 140 V __ __ A
30	1101	27,2	2.013	1524	1064	AL25 30 140 V __ __ A

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
H 1500 mm						
8	287	7,7	571	432	302	AL25 08 150 V __ __ A
10	361	9,7	714	540	377	AL25 10 150 V __ __ A
12	435	11,6	857	648	453	AL25 12 150 V __ __ A
14	509	13,5	1000	756	528	AL25 14 150 V __ __ A
15	546	14,5	1071	810	566	AL25 15 150 V __ __ A
16	583	15,5	1142	864	603	AL25 16 150 V __ __ A
18	657	17,4	1285	972	679	AL25 18 150 V __ __ A
20	731	19,3	1428	1081	754	AL25 20 150 V __ __ A
22	805	21,3	1571	1189	830	AL25 22 150 V __ __ A
24	879	23,2	1714	1297	905	AL25 24 150 V __ __ A
25	916	24,2	1785	1351	943	AL25 25 150 V __ __ A
26	953	25,1	1856	1405	981	AL25 26 150 V __ __ A
28	1027	27,1	1999	1513	1056	AL25 28 150 V __ __ A
30	1101	29,0	2142	1621	1131	AL25 30 150 V __ __ A

H 1600 mm						
6	213	6,2	454	344	240	AL25 06 160 V __ __ A
8	287	8,2	606	458	320	AL25 08 160 V __ __ A
10	361	10,3	757	573	400	AL25 10 160 V __ __ A
12	435	12,3	908	687	480	AL25 12 160 V __ __ A
14	509	14,4	1.060	802	559	AL25 14 160 V __ __ A
15	546	15,4	1.136	859	599	AL25 15 160 V __ __ A
16	583	16,4	1.211	916	639	AL25 16 160 V __ __ A
18	657	18,5	1.363	1031	719	AL25 18 160 V __ __ A
20	731	20,5	1.514	1145	799	AL25 20 160 V __ __ A
22	805	22,6	1.665	1260	879	AL25 22 160 V __ __ A
24	879	24,6	1.817	1374	959	AL25 24 160 V __ __ A
26	953	26,7	1.968	1489	1039	AL25 26 160 V __ __ A
28	1027	28,7	2.120	1603	1119	AL25 28 160 V __ __ A
30	1101	30,8	2.271	1718	1199	AL25 30 160 V __ __ A

H 1800 mm						
6	213	6,9	506	383	267	AL25 06 180 V __ __ A
8	287	9,2	675	510	356	AL25 08 180 V __ __ A
10	361	11,4	844	638	444	AL25 10 180 V __ __ A
12	435	13,7	1013	765	533	AL25 12 180 V __ __ A
14	509	16,0	1182	893	622	AL25 14 180 V __ __ A
15	546	17,2	1266	957	667	AL25 15 180 V __ __ A
16	583	18,3	1350	1020	711	AL25 16 180 V __ __ A
18	657	20,6	1519	1148	800	AL25 18 180 V __ __ A
20	731	22,9	1688	1276	889	AL25 20 180 V __ __ A
22	805	25,2	1857	1403	978	AL25 22 180 V __ __ A
24	879	27,5	2026	1531	1067	AL25 24 180 V __ __ A
26	953	29,7	2194	1658	1155	AL25 26 180 V __ __ A
28	1027	32,0	2363	1786	1244	AL25 28 180 V __ __ A
30	1101	34,3	2532	1913	1333	AL25 30 180 V __ __ A

H 2000 mm						
6	213	7,6	558	421	293	AL25 06 200 V __ __ A
8	287	10,1	744	562	391	AL25 08 200 V __ __ A
10	361	12,6	930	702	489	AL25 10 200 V __ __ A
12	435	15,2	1116	842	586	AL25 12 200 V __ __ A
14	509	17,7	1302	983	684	AL25 14 200 V __ __ A
15	546	18,9	1395	1053	733	AL25 15 200 V __ __ A
16	583	20,2	1488	1123	782	AL25 16 200 V __ __ A
17	620	21,5	1581	1193	830	AL25 17 200 V __ __ A
18	657	22,7	1674	1264	879	AL25 18 200 V __ __ A
20	731	25,3	1860	1404	977	AL25 20 200 V __ __ A
22	805	27,8	2046	1544	1075	AL25 22 200 V __ __ A
24	879	30,3	2232	1685	1172	AL25 24 200 V __ __ A
26	953	32,8	2418	1825	1270	AL25 26 200 V __ __ A
28	1027	35,4	2604	1966	1368	AL25 28 200 V __ __ A

H 2500 mm						
6	213	9,4	690	520	361	AL25 06 250 V __ __ A
8	287	12,5	920	693	481	AL25 08 250 V __ __ A
10	361	15,6	1150	866	601	AL25 10 250 V __ __ A
12	435	18,7	1380	1039	721	AL25 12 250 V __ __ A
14	509	21,8	1610	1213	841	AL25 14 250 V __ __ A
15	546	23,4	1725	1299	902	AL25 15 250 V __ __ A
16	583	24,9	1840	1386	962	AL25 16 250 V __ __ A
17	620	26,5	1955	1472	1022	AL25 17 250 V __ __ A
18	657	28,1	2070	1559	1082	AL25 18 250 V __ __ A
20	731	31,2	2300	1732	1202	AL25 20 250 V __ __ A
22	805	34,3	2530	1906	1322	AL25 22 250 V __ __ A
24	879	37,4	2760	2079	1443	AL25 24 250 V __ __ A
26	953	40,5	2990	2252	1563	AL25 26 250 V __ __ A
28	1027	43,7	3220	2425	1683	AL25 28 250 V __ __ A

HOW TO ORDER THE ALICE 25 VERTICAL RADIATOR

Radiator model E.g.: Alice 25 VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V08	Color code Es: R01 - White	Constant value
AL25	24	080	V08	R01	A

Example of article code creation

AL25 ALICE 25 VERTICAL
24 24 Elements
080 Height 800 mm
V08 Connection V08 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
AL25 24 080 V08 R01 A

ALICE 25

HORIZONTAL

WARRANTY **5 YEARS**



Color: H27 Rosso vivo

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907	0,967
Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624	0,666
Element surface [m²]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117	0,125
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	1,026	1,085	1,144	1,204	1,263	1,322	1,381	1,441	1,559
Water content [lt]	0,707	0,749	0,790	0,832	0,873	0,915	0,956	0,998	1,081
Element surface [m²]	0,133	0,140	0,148	0,156	0,164	0,172	0,180	0,188	0,203
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470

AVAILABLE ACCESSORIES



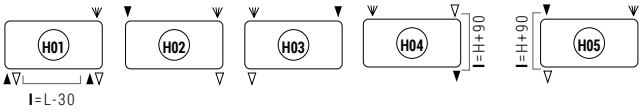
Kristal valve Total Color corner Right or Left with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

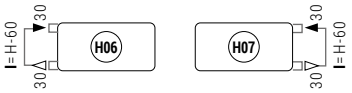
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



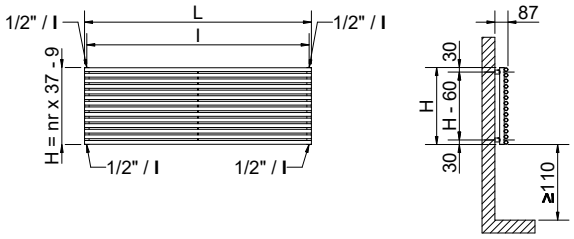
SPECIAL CONNECTIONS

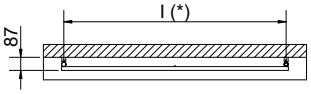


Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

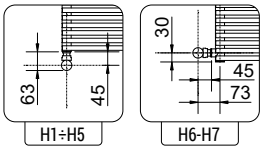
LEGEND

►	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	107	133	160	187	213	267	320	373	400	145	1,1968
213	6	128	160	192	224	256	320	384	448	480	173	1,1993
250	7	149	186	224	261	298	373	447	522	559	202	1,2018
287	8	170	212	255	297	340	425	510	595	637	230	1,2043
324	9	190	238	286	333	381	476	571	667	714	257	1,2067
361	10	211	264	316	369	422	527	633	738	791	284	1,2092
398	11	231	289	347	404	462	578	693	809	867	311	1,2117
435	12	251	314	377	439	502	628	753	879	942	338	1,2141
472	13	271	339	406	474	542	677	813	948	1016	364	1,2166
509	14	290	363	436	508	581	726	871	1017	1089	390	1,2191
546	15	310	387	465	542	620	775	930	1085	1162	415	1,2216
583	16	329	411	494	576	658	823	987	1152	1234	440	1,2240
620	17	348	435	522	609	696	871	1045	1219	1306	465	1,2265
657	18	367	459	551	643	734	918	1101	1285	1377	490	1,2290
694	19	386	482	579	675	772	965	1158	1351	1447	515	1,2285
731	20	404	506	607	708	809	1011	1213	1416	1517	540	1,2280
768	21	423	529	634	740	846	1057	1269	1480	1586	565	1,2276
805	22	441	551	662	772	882	1103	1323	1544	1654	589	1,2271
842	23	459	574	689	804	918	1148	1378	1607	1722	614	1,2266
879	24	477	596	716	835	954	1193	1431	1670	1789	638	1,2262
916	25	495	619	742	866	990	1237	1485	1732	1856	662	1,2257
953	26	513	641	769	897	1025	1281	1538	1794	1922	685	1,2252
990	27	530	663	795	928	1060	1325	1590	1855	1988	709	1,2247
1027	28	547	684	821	958	1095	1368	1642	1915	2052	732	1,2243
1064	29	564	706	847	988	1129	1411	1693	1976	2117	755	1,2238
1101	30	581	727	872	1018	1163	1454	1744	2035	2181	778	1,2233
1138	31	598	748	898	1047	1197	1496	1795	2094	2244	801	1,2230
1175	32	615	769	923	1076	1230	1538	1845	2153	2307	823	1,2226
1212	33	632	790	948	1105	1263	1579	1895	2211	2369	846	1,2223
1249	34	648	810	972	1134	1296	1620	1944	2268	2430	868	1,2220
1286	35	664	831	997	1163	1329	1661	1993	2325	2492	890	1,2216
1323	36	681	851	1021	1191	1361	1702	2042	2382	2552	912	1,2213
1360	37	697	871	1045	1219	1393	1742	2090	2438	2612	933	1,2209
1397	38	713	891	1069	1247	1425	1781	2138	2494	2672	955	1,2206
1434	39	728	910	1092	1274	1456	1821	2185	2549	2731	976	1,2202
1471	40	744	930	1116	1302	1488	1860	2232	2604	2790	997	1,2199
1508	41	759	949	1139	1329	1519	1898	2278	2658	2848	1018	1,2196
1545	42	775	968	1162	1356	1549	1937	2324	2712	2905	1039	1,2192

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	427	453	480	507	533	560	587	613	667	145	1,1968
213	6	512	544	576	608	640	672	704	736	800	173	1,1993
250	7	597	634	671	709	746	783	820	858	932	202	1,2018
287	8	680	722	764	807	849	892	934	977	1062	230	1,2043
324	9	762	810	857	905	952	1000	1048	1095	1191	257	1,2067
361	10	844	896	949	1002	1054	1107	1160	1213	1318	284	1,2092
398	11	924	982	1040	1098	1155	1213	1271	1329	1444	311	1,2117
435	12	1004	1067	1130	1193	1255	1318	1381	1444	1569	338	1,2141
472	13	1084	1151	1219	1287	1354	1422	1490	1558	1693	364	1,2166
509	14	1162	1235	1307	1380	1452	1525	1598	1670	1816	390	1,2191
546	15	1240	1317	1395	1472	1550	1627	1705	1782	1937	415	1,2216
583	16	1317	1399	1481	1564	1646	1728	1810	1893	2057	440	1,2240
620	17	1393	1480	1567	1654	1741	1828	1915	2002	2177	465	1,2265
657	18	1469	1560	1652	1744	1836	1928	2019	2111	2295	490	1,2290
694	19	1544	1640	1736	1833	1929	2026	2122	2219	2412	515	1,2285
731	20	1618	1719	1820	1921	2022	2124	2225	2326	2528	540	1,2280
768	21	1692	1797	1903	2009	2114	2220	2326	2432	2643	565	1,2276
805	22	1764	1875	1985	2095	2206	2316	2426	2536	2757	589	1,2271
842	23	1837	1952	2066	2181	2296	2411	2526	2640	2870	614	1,2266
879	24	1908	2028	2147	2266	2386	2505	2624	2743	2982	638	1,2262
916	25	1980	2103	2227	2351	2474	2598	2722	2846	3093	662	1,2257
953	26	2050	2178	2306	2434	2563	2691	2819	2947	3203	685	1,2252
990	27	2120	2253	2385	2518	2650	2783	2915	3048	3313	709	1,2247
1027	28	2189	2326	2463	2600	2736	2873	3010	3147	3421	732	1,2243
1064	29	2258	2399	2540	2681	2822	2964	3105	3246	3528	755	1,2238
1101	30	2326	2471	2617	2762	2907	3053	3198	3344	3634	778	1,2233
1138	31	2393	2543	2693	2842	2992	3141	3291	3441	3740	801	1,2230
1175	32	2460	2614	2768	2922	3075	3229	3383	3537	3844	823	1,2226
1212	33	2527	2685	2843	3000	3158	3316	3474	3632	3948	846	1,2223
1249	34	2592	2755	2917	3079	3241	3403	3565	3727	4051	868	1,2220
1286	35	2658	2824	2990	3156	3322	3488	3654	3820	4153	890	1,2216
1323	36	2722	2893	3063	3233	3403	3573	3743	3913	4254	912	1,2213
1360	37	2786	2961	3135	3309	3483	3657	3831	4005	4354	933	1,2209
1397	38	2850	3028	3206	3384	3563	3741	3919	4097	4453	955	1,2206
1434	39	2913	3095	3277	3459	3641	3823	4005	4187	4552	976	1,2202
1471	40	2976	3161	3347	3533	3719	3905	4091	4277	4649	997	1,2199
1508	41	3037	3227	3417	3607	3797	3987	4176	4366	4746	1018	1,2196
1545	42	3099	3293	3486	3680	3874	4067	4261	4455	4842	1039	1,2192

ALICE 25

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 398 mm							
11	400	1,2117	3,5	231	176	124	AL25 11 040 H _ _ _ A
	500	1,2117	4,1	289	221	156	AL25 11 050 H _ _ _ A
	600	1,2117	4,8	347	265	187	AL25 11 060 H _ _ _ A
	700	1,2117	5,4	404	308	218	AL25 11 070 H _ _ _ A
	800	1,2117	6,1	462	353	249	AL25 11 080 H _ _ _ A
	1000	1,2117	7,4	578	441	311	AL25 11 100 H _ _ _ A
	1200	1,2117	8,7	693	529	373	AL25 11 120 H _ _ _ A
	1400	1,2117	10,0	809	617	436	AL25 11 140 H _ _ _ A
	1500	1,2117	10,6	867	662	467	AL25 11 150 H _ _ _ A
	1600	1,2117	11,3	924	705	498	AL25 11 160 H _ _ _ A
	1700	1,2117	11,9	982	749	529	AL25 11 170 H _ _ _ A
	1800	1,2117	12,6	1040	794	560	AL25 11 180 H _ _ _ A
	1900	1,2117	13,2	1098	838	591	AL25 11 190 H _ _ _ A
	2000	1,2117	13,9	1155	881	622	AL25 11 200 H _ _ _ A
	2100	1,2117	14,5	1213	926	653	AL25 11 210 H _ _ _ A
	2200	1,2117	15,2	1271	970	684	AL25 11 220 H _ _ _ A
	2300	1,2117	15,9	1329	1014	716	AL25 11 230 H _ _ _ A
	2500	1,2117	17,1	1444	1102	778	AL25 11 250 H _ _ _ A
H 435 mm							
12	400	1,2141	3,8	251	191	135	AL25 12 040 H _ _ _ A
	500	1,2141	4,5	314	239	169	AL25 12 050 H _ _ _ A
	600	1,2141	5,2	377	288	203	AL25 12 060 H _ _ _ A
	700	1,2141	5,9	439	335	236	AL25 12 070 H _ _ _ A
	800	1,2141	6,6	502	383	270	AL25 12 080 H _ _ _ A
	1000	1,2141	8,0	628	479	338	AL25 12 100 H _ _ _ A
	1200	1,2141	9,5	753	574	405	AL25 12 120 H _ _ _ A
	1400	1,2141	10,9	879	670	473	AL25 12 140 H _ _ _ A
	1500	1,2141	11,6	942	718	507	AL25 12 150 H _ _ _ A
	1600	1,2141	12,3	1004	766	540	AL25 12 160 H _ _ _ A
	1700	1,2141	13,0	1067	814	574	AL25 12 170 H _ _ _ A
	1800	1,2141	13,7	1130	862	608	AL25 12 180 H _ _ _ A
	1900	1,2141	14,4	1193	910	642	AL25 12 190 H _ _ _ A
	2000	1,2141	15,2	1255	957	675	AL25 12 200 H _ _ _ A
	2100	1,2141	15,9	1318	1005	709	AL25 12 210 H _ _ _ A
	2200	1,2141	16,6	1381	1053	743	AL25 12 220 H _ _ _ A
	2300	1,2141	17,3	1444	1101	777	AL25 12 230 H _ _ _ A
	2500	1,2141	18,7	1569	1197	844	AL25 12 250 H _ _ _ A
H 509 mm							
14	400	1,2191	4,4	290	221	156	AL25 14 040 H _ _ _ A
	500	1,2191	5,2	363	277	195	AL25 14 050 H _ _ _ A
	600	1,2191	6,1	436	332	234	AL25 14 060 H _ _ _ A
	700	1,2191	6,9	508	387	273	AL25 14 070 H _ _ _ A
	800	1,2191	7,7	581	443	312	AL25 14 080 H _ _ _ A
	1000	1,2191	9,4	726	553	389	AL25 14 100 H _ _ _ A
	1200	1,2191	11,0	871	664	467	AL25 14 120 H _ _ _ A
	1400	1,2191	12,7	1017	775	546	AL25 14 140 H _ _ _ A
	1500	1,2191	13,5	1089	830	584	AL25 14 150 H _ _ _ A
	1600	1,2191	14,4	1162	885	623	AL25 14 160 H _ _ _ A
	1700	1,2191	15,2	1235	941	663	AL25 14 170 H _ _ _ A
	1800	1,2191	16,0	1307	996	701	AL25 14 180 H _ _ _ A
	1900	1,2191	16,9	1380	1051	740	AL25 14 190 H _ _ _ A
	2000	1,2191	17,7	1452	1106	779	AL25 14 200 H _ _ _ A
	2100	1,2191	18,5	1525	1162	818	AL25 14 210 H _ _ _ A
	2200	1,2191	19,3	1598	1217	857	AL25 14 220 H _ _ _ A
	2300	1,2191	20,2	1670	1272	896	AL25 14 230 H _ _ _ A
	2500	1,2191	21,8	1816	1383	974	AL25 14 250 H _ _ _ A

ALICE 25

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 583 mm							
16	400	1,2240	5,0	329	250	176	AL25 16 040 H __ __ A
	500	1,2240	6,0	411	313	220	AL25 16 050 H __ __ A
	600	1,2240	6,9	494	376	264	AL25 16 060 H __ __ A
	700	1,2240	7,9	576	438	308	AL25 16 070 H __ __ A
	800	1,2240	8,8	658	501	352	AL25 16 080 H __ __ A
	1000	1,2240	10,7	823	626	440	AL25 16 100 H __ __ A
	1200	1,2240	12,6	987	751	528	AL25 16 120 H __ __ A
	1400	1,2240	14,5	1152	877	616	AL25 16 140 H __ __ A
	1500	1,2240	15,5	1234	939	660	AL25 16 150 H __ __ A
	1600	1,2240	16,4	1317	1002	705	AL25 16 160 H __ __ A
	1700	1,2240	17,4	1399	1065	749	AL25 16 170 H __ __ A
	1800	1,2240	18,3	1481	1127	793	AL25 16 180 H __ __ A
	1900	1,2240	19,3	1564	1190	837	AL25 16 190 H __ __ A
	2000	1,2240	20,2	1646	1253	881	AL25 16 200 H __ __ A
	2100	1,2240	21,2	1728	1315	925	AL25 16 210 H __ __ A
	2200	1,2240	22,1	1810	1377	969	AL25 16 220 H __ __ A
	2300	1,2240	23,1	1893	1441	1013	AL25 16 230 H __ __ A
	2500	1,2240	24,9	2057	1565	1101	AL25 16 250 H __ __ A
H 620 mm							
17	400	1,2265	5,4	348	265	186	AL25 17 040 H __ __ A
	500	1,2265	6,4	435	331	232	AL25 17 050 H __ __ A
	600	1,2265	7,4	522	397	279	AL25 17 060 H __ __ A
	700	1,2265	8,4	609	463	325	AL25 17 070 H __ __ A
	800	1,2265	9,4	696	529	372	AL25 17 080 H __ __ A
	1000	1,2265	11,4	871	662	466	AL25 17 100 H __ __ A
	1200	1,2265	13,4	1045	795	558	AL25 17 120 H __ __ A
	1400	1,2265	15,4	1219	927	651	AL25 17 140 H __ __ A
	1500	1,2265	16,4	1306	993	698	AL25 17 150 H __ __ A
	1600	1,2265	17,4	1393	1059	744	AL25 17 160 H __ __ A
	1700	1,2265	18,4	1480	1126	791	AL25 17 170 H __ __ A
	1800	1,2265	19,4	1567	1192	837	AL25 17 180 H __ __ A
	1900	1,2265	20,5	1654	1258	884	AL25 17 190 H __ __ A
	2000	1,2265	21,5	1741	1324	930	AL25 17 200 H __ __ A
	2100	1,2265	22,5	1828	1390	977	AL25 17 210 H __ __ A
	2200	1,2265	23,5	1915	1456	1023	AL25 17 220 H __ __ A
	2300	1,2265	24,5	2002	1523	1070	AL25 17 230 H __ __ A
	2500	1,2265	26,5	2177	1656	1163	AL25 17 250 H __ __ A
H 694 mm							
19	400	1,2285	6,0	386	293	206	AL25 19 040 H __ __ A
	500	1,2285	7,1	482	366	257	AL25 19 050 H __ __ A
	600	1,2285	8,2	579	440	309	AL25 19 060 H __ __ A
	700	1,2285	9,4	675	513	360	AL25 19 070 H __ __ A
	800	1,2285	10,5	772	587	412	AL25 19 080 H __ __ A
	1000	1,2285	12,7	965	734	515	AL25 19 100 H __ __ A
	1200	1,2285	15,0	1158	880	618	AL25 19 120 H __ __ A
	1400	1,2285	17,2	1351	1027	721	AL25 19 140 H __ __ A
	1500	1,2285	18,4	1447	1100	773	AL25 19 150 H __ __ A
	1600	1,2285	19,5	1544	1174	824	AL25 19 160 H __ __ A
	1700	1,2285	20,6	1640	1247	876	AL25 19 170 H __ __ A
	1800	1,2285	21,7	1736	1320	927	AL25 19 180 H __ __ A
	1900	1,2285	22,9	1833	1394	979	AL25 19 190 H __ __ A
	2000	1,2285	24,0	1929	1466	1030	AL25 19 200 H __ __ A
	2100	1,2285	25,1	2026	1540	1082	AL25 19 210 H __ __ A
	2200	1,2285	26,2	2122	1613	1133	AL25 19 220 H __ __ A
	2300	1,2285	27,4	2219	1687	1185	AL25 19 230 H __ __ A
	2500	1,2285	29,6	2412	1834	1288	AL25 19 250 H __ __ A

HOW TO ORDER THE ALICE 25 HORIZONTAL RADIATOR

Radiator model E.g.: Alice 25 horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
AL25	12	120	H04	R01	A

Example of article code creation

AL25 ALICE 25 HORIZONTAL
12 12 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

AL25 12 120 H04 R01 A

ALICE 25

TANDEM VERTICAL

WARRANTY **5 YEARS**



MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 25 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	400	500	530	600	630	700	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	34,7	42	44,1	49	51,1	55,9	62,7	64,7	71,4	76	89,2
Therm. output per el. Δt = 30 °C [Watt]	18,2	21,9	23	25,6	26,7	29,2	32,7	33,7	37,1	39,5	46,2
Dry Weight per element [kg]	0,537	0,656	0,691	0,774	0,810	0,892	1,011	1,047	1,165	1,248	1,485
Water content [lt]	0,377	0,460	0,485	0,543	0,568	0,626	0,709	0,734	0,817	0,875	1,041
Element surface [m²]	0,070	0,086	0,090	0,101	0,106	0,117	0,133	0,137	0,153	0,164	0,195
Exponent **n**	1,2668	1,2691	1,2698	1,2714	1,2721	1,2737	1,2760	1,2767	1,2790	1,2807	1,2878
Pipe Centres I [mm] (V3-V4 only)	**370**	**470**	**500**	**570**	**600**	**670**	**770**	**800**	**900**	**970**	**1170**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	102,1	108,6	115	121,4	127,8	134,2	140,6	146,9	153,3	159,7	172,5
Therm. output per el. Δt = 30 °C [Watt]	52,7	55,9	59,1	62,4	65,6	68,8	72	75,2	78,4	82,5	88,7
Dry Weight per element [kg]	1,722	1,840	1,959	2,077	2,196	2,314	2,433	2,551	2,670	2,788	3,025
Water content [lt]	1,208	1,291	1,374	1,457	1,540	1,623	1,706	1,789	1,872	1,955	2,122
Element surface [m²]	0,227	0,243	0,258	0,274	0,290	0,305	0,321	0,337	0,353	0,368	0,400
Exponent **n**	1,2949	1,2984	1,3020	1,3036	1,3052	1,3069	1,3085	1,3102	1,3118	1,3134	1,3151
Pipe Centres I [mm] (V3-V4 only)	**1370**	**1470**	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

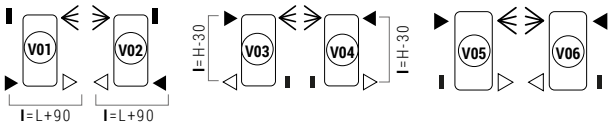
Complete list, codes and details of the ACCESSORIES from page 332.

CERTIFICATES

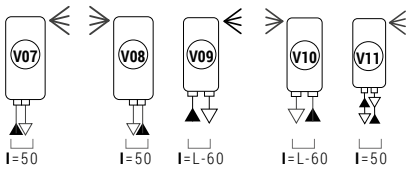
CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



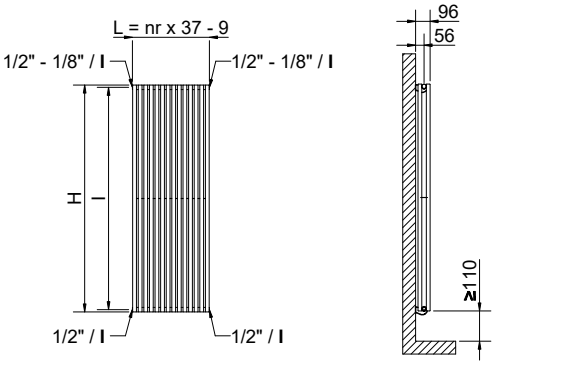
SPECIAL CONNECTIONS



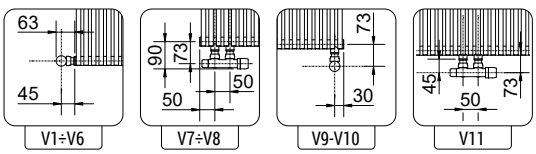
Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND

In	I Pipe Centres
Out	L Width
Airvent	Connection
H Height	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

Replacement heights are marked in grey color.

Height H [mm]		400	500	530	600	630	700	800	830	930	1000	1200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
176	**5**	174	210	221	245	256	280	314	324	357	380	446
213	**6**	208	252	265	294	307	335	376	388	428	456	535
250	**7**	243	294	309	343	358	391	439	453	500	532	624
287	**8**	278	336	353	392	409	447	502	518	571	608	714
324	**9**	312	378	397	441	460	503	564	582	643	684	803
361	**10**	347	420	441	490	511	559	627	647	714	760	892
398	**11**	382	462	485	539	562	615	690	712	785	836	981
435	**12**	416	504	529	588	613	671	752	776	857	912	1070
472	**13**	451	546	573	637	664	727	815	841	928	988	1160
509	**14**	486	588	617	686	715	783	878	906	1000	1064	1249
546	**15**	521	630	662	735	767	839	941	971	1071	1140	1338
583	**16**	555	672	706	784	818	894	1003	1035	1142	1216	1427
620	**17**	590	714	750	833	869	950	1066	1100	1214	1292	1516
657	**18**	625	756	794	882	920	1006	1129	1165	1285	1368	1606
694	**19**	659	798	838	931	971	1062	1191	1229	1357	1444	1695
731	**20**	694	840	882	980	1022	1118	1254	1294	1428	1520	1784
768	**21**	729	882	926	1029	1073	1174	1317	1359	1499	1596	1873
805	**22**	763	924	970	1078	1124	1230	1379	1423	1571	1672	1962
842	**23**	798	966	1014	1127	1175	1286	1442	1488	1642	1748	2052
879	**24**	833	1008	1058	1176	1226	1342	1505	1553	1714	1824	2141
916	**25**	868	1050	1103	1225	1278	1398	1568	1618	1785	1900	2230
953	**26**	902	1092	1147	1274	1329	1453	1630	1682	1856	1976	2319
990	**27**	937	1134	1191	1323	1380	1509	1693	1747	1928	2052	2408
1027	**28**	972	1176	1235	1372	1431	1565	1756	1812	1999	2128	2498
1064	**29**	1006	1218	1279	1421	1482	1621	1818	1876	2071	2204	2587
1101	**30**	1041	1260	1323	1470	1533	1677	1881	1941	2142	2280	2676
1138	**31**	1076	1302	1367	1519	1584	1733	1944	2006	2213	2356	2765
1175	**32**	1110	1344	1411	1568	1635	1789	2006	2070	2285	2432	2854
1212	**33**	1145	1386	1455	1617	1686	1845	2069	2135	2356	2508	2944
1249	**34**	1180	1428	1499	1666	1737	1901	2132	2200	2428	2584	3033
1286	**35**	1215	1470	1544	1715	1789	1957	2195	2265	2499	2660	3122
1323	**36**	1249	1512	1588	1764	1840	2012	2257	2329	2570	2736	3211
1360	**37**	1284	1554	1632	1813	1891	2068	2320	2394	2642	2812	3300
1397	**38**	1319	1596	1676	1862	1942	2124	2383	2459	2713	2888	3390
1434	**39**	1353	1638	1720	1911	1993	2180	2445	2523	2785	2964	3479
1471	**40**	1388	1680	1764	1960	2044	2236	2508	2588	2856	3040	3568
1508	**41**	1423	1722	1808	2009	2095	2292	2571	2653	2927	3116	3657
1545	**42**	1457	1764	1852	2058	2146	2348	2633	2717	2999	3192	3746

Height H [mm]		1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
176	**5**	511	543	575	607	639	671	703	735	767	799	863
213	**6**	613	652	690	728	767	805	844	881	920	958	1035
250	**7**	715	760	805	850	895	939	984	1028	1073	1118	1208
287	**8**	817	869	920	971	1022	1074	1125	1175	1226	1278	1380
324	**9**	919	977	1035	1093	1150	1208	1265	1322	1380	1437	1553
361	**10**	1021	1086	1150	1214	1278	1342	1406	1469	1533	1597	1725
398	**11**	1123	1195	1265	1335	1406	1476	1547	1616	1686	1757	1898
435	**12**	1225	1303	1380	1457	1534	1610	1687	1763	1840	1916	2070
472	**13**	1327	1412	1495	1578	1661	1745	1828	1910	1993	2076	2243
509	**14**	1429	1520	1610	1700	1789	1879	1968	2057	2146	2236	2415
546	**15**	1532	1629	1725	1821	1917	2013	2109	2204	2300	2396	2588
583	**16**	1634	1738	1840	1942	2045	2147	2250	2350	2453	2555	2760
620	**17**	1736	1846	1955	2064	2173	2281	2390	2497	2606	2715	2933
657	**18**	1838	1955	2070	2185	2300	2416	2531	2644	2759	2875	3105
694	**19**	1940	2063	2185	2307	2428	2550	2671	2791	2913	3034	3278
731	**20**	2042	2172	2300	2428	2556	2684	2812	2938	3066	3194	3450
768	**21**	2144	2281	2415	2549	2684	2818	2953	3085	3219	3354	3623
805	**22**	2246	2389	2530	2671	2812	2952	3093	3232	3373	3513	3795
842	**23**	2348	2498	2645	2792	2939	3087	3234	3379	3526	3673	3968
879	**24**	2450	2606	2760	2914	3067	3221	3374	3526	3679	3833	4140
916	**25**	2553	2715	2875	3035	3195	3355	3515	3673	3833	3993	4313
953	**26**	2655	2824	2990	3156	3323	3489	3656	3819	3986	4152	4485
990	**27**	2757	2932	3105	3278	3451	3623	3796	3966	4139	4312	4658
1027	**28**	2859	3041	3220	3399	3578	3758	3937	4113	4292	4472	4830
1064	**29**	2961	3149	3335	3521	3706	3892	4077	4260	4446	4631	5003
1101	**30**	3063	3258	3450	3642	3834	4026	4218	4407	4599	4791	5175
1138	**31**	3165	3367	3565	3763	3962	4160	4359	4554	4752	4951	5348
1175	**32**	3267	3475	3680	3885	4090	4294	4499	4701	4906	5110	5520
1212	**33**	3369	3584	3795	4006	4217	4429	4640	4848	5059	5270	5693
1249	**34**	3471	3692	3910	4128	4345	4563	4780	4995	5212	5430	5865
1286	**35**	3574	3801	4025	4249	4473	4697	4921	5142	5366	5590	6038
1323	**36**	3676	3910	4140	4370	4601	4831	5062	5288	5519	5749	6210
1360	**37**	3778	4018	4255	4492	4729	4965	5202	5435	5672	5909	6383
1397	**38**	3880	4127	4370	4613	4856	5100	5343	5582	5825	6069	6555
1434	**39**	3982	4235	4485	4735	4984	5234	5483	5729	5979	6228	6728
1471	**40**	4084	4344	4600	4856	5112	5368	5624	5876	6132	6388	6900
1508	**41**	4186	4453	4715	4977	5240	5502	5765	6023	6285	6548	7073
1545	**42**	4288	4561	4830	5099	5368	5636	5905	6170	6439	6707	7245

ALICE 25

TANDEM VERTICAL

H 500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	509	9,2	588	443	307	AT25 14 050 V _ _ A
16	583	10,5	672	506	351	AT25 16 050 V _ _ A
18	657	11,8	756	570	395	AT25 18 050 V _ _ A
20	731	13,1	840	633	439	AT25 20 050 V _ _ A
22	805	14,4	924	696	483	AT25 22 050 V _ _ A
24	879	15,7	1008	759	527	AT25 24 050 V _ _ A
26	953	17,1	1092	823	571	AT25 26 050 V _ _ A
28	1027	18,4	1176	886	615	AT25 28 050 V _ _ A
30	1101	19,7	1260	949	659	AT25 30 050 V _ _ A
32	1175	21,0	1344	1013	703	AT25 32 050 V _ _ A
34	1249	22,3	1428	1076	747	AT25 34 050 V _ _ A
36	1323	23,6	1512	1139	791	AT25 36 050 V _ _ A
38	1397	24,9	1596	1202	835	AT25 38 050 V _ _ A
40	1471	26,2	1680	1266	879	AT25 40 050 V _ _ A

H 600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
14	509	10,8	686	517	358	AT25 14 060 V _ _ A
16	583	12,4	784	590	410	AT25 16 060 V _ _ A
18	657	13,9	882	664	461	AT25 18 060 V _ _ A
20	731	15,5	980	738	512	AT25 20 060 V _ _ A
22	805	17,0	1078	812	563	AT25 22 060 V _ _ A
24	879	18,6	1176	886	614	AT25 24 060 V _ _ A
26	953	20,1	1274	959	665	AT25 26 060 V _ _ A
28	1027	21,7	1372	1033	717	AT25 28 060 V _ _ A
30	1101	23,2	1470	1107	768	AT25 30 060 V _ _ A
32	1175	24,8	1568	1181	819	AT25 32 060 V _ _ A
34	1249	26,3	1666	1254	870	AT25 34 060 V _ _ A
36	1323	27,9	1764	1328	921	AT25 36 060 V _ _ A
38	1397	29,4	1862	1402	973	AT25 38 060 V _ _ A
40	1471	31,0	1960	1476	1024	AT25 40 060 V _ _ A

H 700 mm

14	509	12,5	783	589	408	AT25 14 070 V _ _ A
16	583	14,3	894	673	467	AT25 16 070 V _ _ A
18	657	16,1	1006	757	525	AT25 18 070 V _ _ A
20	731	17,8	1118	841	583	AT25 20 070 V _ _ A
22	805	19,6	1230	926	642	AT25 22 070 V _ _ A
24	879	21,4	1342	1010	700	AT25 24 070 V _ _ A
26	953	23,2	1453	1094	758	AT25 26 070 V _ _ A
28	1027	25,0	1565	1178	817	AT25 28 070 V _ _ A
30	1101	26,8	1677	1262	875	AT25 30 070 V _ _ A
32	1175	28,5	1789	1346	933	AT25 32 070 V _ _ A
34	1249	30,3	1901	1430	992	AT25 34 070 V _ _ A
36	1323	32,1	2012	1515	1050	AT25 36 070 V _ _ A
38	1397	33,9	2124	1599	1108	AT25 38 070 V _ _ A
40	1471	35,7	2236	1683	1167	AT25 40 070 V _ _ A

H 800 mm

14	509	14,2	878	660	457	AT25 14 080 V _ _ A
16	583	16,2	1003	755	523	AT25 16 080 V _ _ A
18	657	18,2	1129	849	588	AT25 18 080 V _ _ A
20	731	20,2	1254	943	653	AT25 20 080 V _ _ A
22	805	22,2	1379	1038	719	AT25 22 080 V _ _ A
24	879	24,3	1505	1132	784	AT25 24 080 V _ _ A
26	953	26,3	1630	1226	849	AT25 26 080 V _ _ A
28	1027	28,3	1756	1321	915	AT25 28 080 V _ _ A
30	1101	30,3	1881	1415	980	AT25 30 080 V _ _ A
32	1175	32,4	2006	1509	1046	AT25 32 080 V _ _ A
34	1249	34,4	2132	1604	1111	AT25 34 080 V _ _ A
36	1323	36,4	2257	1698	1176	AT25 36 080 V _ _ A
38	1397	38,4	2383	1792	1242	AT25 38 080 V _ _ A
40	1471	40,4	2508	1887	1307	AT25 40 080 V _ _ A

H 1000 mm

14	509	17,5	1064	800	553	AT25 14 100 V _ _ A
16	583	20,0	1216	914	632	AT25 16 100 V _ _ A
17	620	21,2	1292	971	672	AT25 17 100 V _ _ A
18	657	22,5	1368	1028	711	AT25 18 100 V _ _ A
19	694	23,7	1444	1085	751	AT25 19 100 V _ _ A
20	731	25,0	1520	1142	790	AT25 20 100 V _ _ A
22	805	27,5	1672	1256	869	AT25 22 100 V _ _ A
23	842	28,7	1748	1313	909	AT25 23 100 V _ _ A
24	879	30,0	1824	1371	948	AT25 24 100 V _ _ A
25	916	31,2	1900	1428	988	AT25 25 100 V _ _ A
26	953	32,4	1976	1485	1027	AT25 26 100 V _ _ A
27	990	33,7	2052	1542	1067	AT25 27 100 V _ _ A
28	1027	34,9	2128	1599	1106	AT25 28 100 V _ _ A
30	1101	37,4	2280	1713	1185	AT25 30 100 V _ _ A

H 1200 mm

14	509	20,8	1249	937	647	AT25 14 120 V _ _ A
16	583	23,8	1427	1071	739	AT25 16 120 V _ _ A
17	620	25,2	1516	1138	785	AT25 17 120 V _ _ A
18	657	26,7	1606	1205	832	AT25 18 120 V _ _ A
19	694	28,2	1695	1272	878	AT25 19 120 V _ _ A
20	731	29,7	1784	1338	924	AT25 20 120 V _ _ A
22	805	32,7	1962	1472	1016	AT25 22 120 V _ _ A
23	842	34,2	2052	1539	1063	AT25 23 120 V _ _ A
24	879	35,6	2141	1606	1109	AT25 24 120 V _ _ A
25	916	37,1	2230	1673	1155	AT25 25 120 V _ _ A
26	953	38,6	2319	1740	1201	AT25 26 120 V _ _ A
27	990	40,1	2408	1807	1247	AT25 27 120 V _ _ A
28	1027	41,6	2498	1874	1294	AT25 28 120 V _ _ A
30	1101	44,6	2676	2008	1386	AT25 30 120 V _ _ A

ALICE 25

TANDEM VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	13,8	817	612	422	AT25 08 140 V __ __ A
10	361	17,2	1.021	765	527	AT25 10 140 V __ __ A
12	435	20,7	1.225	918	632	AT25 12 140 V __ __ A
13	472	22,4	1.327	994	685	AT25 13 140 V __ __ A
14	509	24,1	1.429	1071	738	AT25 14 140 V __ __ A
15	546	25,8	1.532	1147	790	AT25 15 140 V __ __ A
16	583	27,6	1.634	1224	843	AT25 16 140 V __ __ A
18	657	31,0	1.838	1377	948	AT25 18 140 V __ __ A
20	731	34,4	2.042	1530	1054	AT25 20 140 V __ __ A
22	805	37,9	2.246	1683	1159	AT25 22 140 V __ __ A
24	879	41,3	2.450	1835	1265	AT25 24 140 V __ __ A
26	953	44,8	2.655	1988	1370	AT25 26 140 V __ __ A
28	1027	48,2	2.859	2141	1475	AT25 28 140 V __ __ A
30	1101	51,7	3.063	2294	1581	AT25 30 140 V __ __ A

H 1500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	14,7	869	650	448	AT25 08 150 V __ __ A
10	361	18,4	1086	813	559	AT25 10 150 V __ __ A
12	435	22,1	1303	975	671	AT25 12 150 V __ __ A
13	472	23,9	1412	1057	727	AT25 13 150 V __ __ A
14	509	25,8	1520	1138	783	AT25 14 150 V __ __ A
15	546	27,6	1629	1219	839	AT25 15 150 V __ __ A
16	583	29,4	1738	1301	895	AT25 16 150 V __ __ A
18	657	33,1	1955	1463	1007	AT25 18 150 V __ __ A
20	731	36,8	2172	1626	1119	AT25 20 150 V __ __ A
22	805	40,5	2389	1788	1231	AT25 22 150 V __ __ A
24	879	44,2	2606	1951	1343	AT25 24 150 V __ __ A
26	953	47,8	2824	2113	1455	AT25 26 150 V __ __ A
28	1027	51,5	3041	2276	1567	AT25 28 150 V __ __ A
30	1101	55,2	3258	2439	1678	AT25 30 150 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	15,7	920	688	473	AT25 08 160 V __ __ A
10	361	19,6	1150	860	591	AT25 10 160 V __ __ A
12	435	23,5	1380	1032	710	AT25 12 160 V __ __ A
14	509	27,4	1610	1204	828	AT25 14 160 V __ __ A
15	546	29,4	1725	1290	887	AT25 15 160 V __ __ A
16	583	31,3	1840	1376	946	AT25 16 160 V __ __ A
17	620	33,3	1955	1462	1005	AT25 17 160 V __ __ A
18	657	35,3	2070	1548	1064	AT25 18 160 V __ __ A
19	694	37,2	2185	1634	1124	AT25 19 160 V __ __ A
20	731	39,2	2300	1720	1183	AT25 20 160 V __ __ A
21	768	41,1	2415	1806	1242	AT25 21 160 V __ __ A
22	805	43,1	2530	1892	1301	AT25 22 160 V __ __ A
23	842	45,1	2645	1978	1360	AT25 23 160 V __ __ A
24	879	47,0	2760	2064	1419	AT25 24 160 V __ __ A
25	916	49,0	2875	2150	1478	AT25 25 160 V __ __ A
26	953	50,9	2990	2236	1538	AT25 26 160 V __ __ A
27	990	52,9	3105	2322	1597	AT25 27 160 V __ __ A
28	1027	54,9	3220	2408	1656	AT25 28 160 V __ __ A
29	1064	56,8	3335	2494	1715	AT25 29 160 V __ __ A
30	1101	58,8	3450	2580	1774	AT25 30 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	287	17,6	1022	764	525	AT25 08 180 V __ __ A
10	361	22,0	1278	955	656	AT25 10 180 V __ __ A
12	435	26,4	1534	1146	787	AT25 12 180 V __ __ A
14	509	30,7	1789	1337	919	AT25 14 180 V __ __ A
15	546	32,9	1917	1433	984	AT25 15 180 V __ __ A
16	583	35,1	2045	1528	1050	AT25 16 180 V __ __ A
17	620	37,3	2173	1624	1115	AT25 17 180 V __ __ A
18	657	39,5	2300	1719	1181	AT25 18 180 V __ __ A
19	694	41,7	2428	1815	1247	AT25 19 180 V __ __ A
20	731	43,9	2556	1910	1312	AT25 20 180 V __ __ A
21	768	46,1	2684	2006	1378	AT25 21 180 V __ __ A
22	805	48,3	2812	2101	1443	AT25 22 180 V __ __ A
23	842	50,5	2939	2197	1509	AT25 23 180 V __ __ A
24	879	52,7	3067	2292	1575	AT25 24 180 V __ __ A
25	916	54,9	3195	2388	1640	AT25 25 180 V __ __ A
26	953	57,1	3323	2483	1706	AT25 26 180 V __ __ A
27	990	59,3	3451	2579	1771	AT25 27 180 V __ __ A
28	1027	61,5	3578	2674	1837	AT25 28 180 V __ __ A
29	1064	63,7	3706	2770	1903	AT25 29 180 V __ __ A
30	1101	65,9	3834	2865	1968	AT25 30 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	213	14,6	844	630	432	AT25 06 200 V __ __ A
8	287	19,5	1125	840	576	AT25 08 200 V __ __ A
10	361	24,3	1406	1050	721	AT25 10 200 V __ __ A
12	435	29,2	1687	1260	865	AT25 12 200 V __ __ A
14	509	34,1	1968	1470	1009	AT25 14 200 V __ __ A
15	546	36,5	2109	1575	1081	AT25 15 200 V __ __ A
16	583	38,9	2250	1680	1153	AT25 16 200 V __ __ A
17	620	41,4	2390	1785	1225	AT25 17 200 V __ __ A
18	657	43,8	2531	1890	1297	AT25 18 200 V __ __ A
19	694	46,2	2671	1995	1369	AT25 19 200 V __ __ A
20	731	48,7	2812	2100	1441	AT25 20 200 V __ __ A
22	805	53,5	3093	2310	1585	AT25 22 200 V __ __ A
24	879	58,4	3374	2520	1729	AT25 24 200 V __ __ A
26	953	63,3	3656	2730	1874	AT25 26 200 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
6	213	18,2	1035	772	529	AT25 06 250 V __ __ A
8	287	24,2	1380	1029	705	AT25 08 250 V __ __ A
10	361	30,3	1725	1286	881	AT25 10 250 V __ __ A
12	435	36,3	2070	1544	1057	AT25 12 250 V __ __ A
14	509	42,4	2415	1801	1234	AT25 14 250 V __ __ A
15	546	45,4	2588	1929	1322	AT25 15 250 V __ __ A
16	583	48,4	2760	2058	1410	AT25 16 250 V __ __ A
17	620	51,4	2933	2187	1498	AT25 17 250 V __ __ A
18	657	54,5	3105	2315	1586	AT25 18 250 V __ __ A
19	694	57,5	3278	2444	1674	AT25 19 250 V __ __ A
20	731	60,5	3450	2573	1762	AT25 20 250 V __ __ A
22	805	66,6	3795	2830	1938	AT25 22 250 V __ __ A
24	879	72,6	4140	3087	2115	AT25 24 250 V __ __ A
26	953	78,7	4485	3344	2291	AT25 26 250 V __ __ A

HOW TO ORDER THE ALICE 25 TANDEM VERTICAL RADIATOR

Radiator model E.g.: Alice 25 tandem VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 800 mm	Connection code Example: connection V08	Color code Es: R01 - White	Constant value
AT25	24	080	V08	R01	A

Example of article code creation

AT25 ALICE 25 TANDEM VERTICAL
24 24 Elements
080 Height 800 mm
V08 Connection V08 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
AT25 24 080 V08 R01 A

ALICE 25

TANDEM HORIZONTAL

WARRANTY **5 YEARS**



Color: RAL 8017 - R09 Dark brown

Width L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per element [kg]	0,537	0,656	0,774	0,892	1,011	1,248	1,485	1,722	1,840
Water content [lt]	0,377	0,460	0,543	0,626	0,709	0,875	1,041	1,208	1,291
Element surface [m²]	0,070	0,086	0,101	0,117	0,133	0,164	0,195	0,227	0,243
Pipe Centres I [mm] (H1 only)	**370**	**470**	**570**	**670**	**770**	**970**	**1170**	**1370**	**1470**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per element [kg]	1,959	2,077	2,196	2,314	2,433	2,551	2,670	2,788	3,025
Water content [lt]	1,374	1,457	1,540	1,623	1,706	1,789	1,872	1,955	2,122
Element surface [m²]	0,258	0,274	0,290	0,305	0,321	0,337	0,353	0,368	0,400
Pipe Centres I [mm] (H1 only)	**1570**	**1670**	**1770**	**1870**	**1970**	**2070**	**2170**	**2270**	**2470**

AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 25 mm double horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

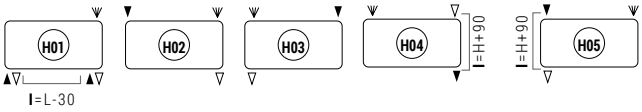
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

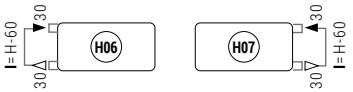
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



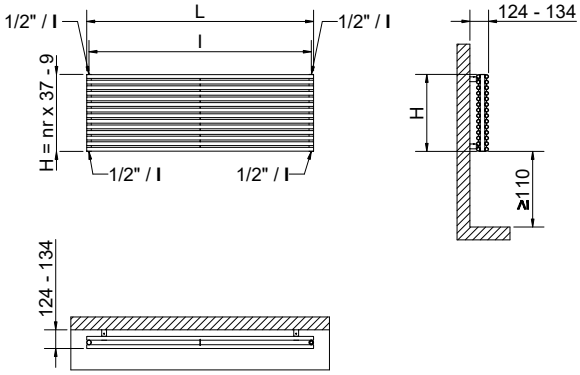
SPECIAL CONNECTIONS



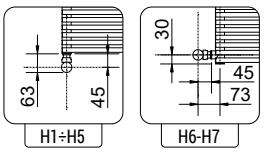
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar** T. max: **110°C**

Functioning: **hot water** Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

All intermediate sizes for heights from 5 to 42 elements and widths from 400 to 2500 mm

Width L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	176	220	263	307	351	439	527	615	659	238	1,2025
213	6	210	262	315	367	420	525	629	734	787	283	1,2063
250	7	243	304	365	425	486	608	729	851	911	327	1,2101
287	8	275	344	413	482	551	688	826	964	1032	370	1,2138
324	9	307	383	460	537	614	767	920	1074	1150	412	1,2176
361	10	337	422	506	590	675	843	1012	1181	1265	452	1,2214
398	11	367	459	551	642	734	918	1101	1285	1377	491	1,2252
435	12	396	495	594	693	792	990	1188	1386	1485	528	1,2290
472	13	424	530	636	742	848	1060	1272	1484	1590	565	1,2328
509	14	451	564	677	790	903	1129	1354	1580	1693	600	1,2366
546	15	478	597	717	836	956	1195	1434	1673	1792	634	1,2403
583	16	504	630	756	881	1007	1259	1511	1763	1889	667	1,2441
620	17	529	661	793	925	1057	1322	1586	1850	1983	699	1,2479
657	18	553	691	829	968	1106	1382	1659	1935	2074	729	1,2517
694	19	577	721	865	1009	1153	1441	1730	2018	2162	761	1,2514
731	20	599	749	899	1049	1199	1498	1798	2098	2248	791	1,2511
768	21	622	777	932	1088	1243	1554	1865	2175	2331	820	1,2508
805	22	643	804	965	1125	1286	1608	1929	2251	2411	849	1,2504
842	23	664	830	996	1162	1328	1660	1992	2324	2490	876	1,2501
879	24	684	855	1026	1197	1368	1710	2052	2394	2565	903	1,2498
916	25	704	880	1055	1231	1407	1759	2111	2463	2639	929	1,2495
953	26	723	903	1084	1264	1445	1806	2168	2529	2710	954	1,2492
990	27	741	926	1111	1297	1482	1852	2223	2593	2778	979	1,2489
1027	28	759	948	1138	1328	1517	1897	2276	2655	2845	1002	1,2485
1064	29	776	970	1164	1358	1552	1939	2327	2715	2909	1025	1,2482
1101	30	792	990	1188	1387	1585	1981	2377	2773	2971	1047	1,2479
1138	31	808	1010	1212	1415	1617	2021	2425	2829	3031	1069	1,2467
1175	32	824	1030	1236	1442	1648	2060	2471	2883	3089	1090	1,2455
1212	33	839	1048	1258	1468	1678	2097	2516	2936	3145	1111	1,2443
1249	34	853	1066	1280	1493	1706	2133	2559	2986	3199	1130	1,2431
1286	35	867	1084	1301	1518	1734	2168	2601	3035	3252	1149	1,2419
1323	36	880	1101	1321	1541	1761	2201	2641	3082	3302	1168	1,2407
1360	37	893	1117	1340	1563	1787	2233	2680	3127	3350	1186	1,2395
1397	38	906	1132	1359	1585	1812	2264	2717	3170	3397	1203	1,2383
1434	39	918	1147	1377	1606	1835	2294	2753	3212	3441	1220	1,2371
1471	40	929	1162	1394	1626	1858	2323	2788	3252	3485	1236	1,2359
1508	41	940	1175	1410	1645	1880	2351	2821	3291	3526	1251	1,2347
1545	42	951	1189	1426	1664	1902	2377	2853	3328	3566	1266	1,2335

Width L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	703	746	790	834	878	922	966	1010	1098	238	1,2025
213	6	839	892	944	997	1049	1101	1154	1206	1311	283	1,2063
250	7	972	1033	1094	1154	1215	1276	1337	1397	1519	327	1,2101
287	8	1101	1170	1239	1308	1377	1445	1514	1583	1721	370	1,2138
324	9	1227	1304	1380	1457	1534	1610	1687	1764	1917	412	1,2176
361	10	1349	1434	1518	1602	1687	1771	1855	1940	2109	452	1,2214
398	11	1468	1560	1652	1744	1835	1927	2019	2111	2294	491	1,2252
435	12	1584	1683	1782	1881	1980	2079	2178	2277	2475	528	1,2290
472	13	1696	1802	1908	2014	2120	2226	2332	2438	2651	565	1,2328
509	14	1806	1918	2031	2144	2257	2370	2483	2596	2821	600	1,2366
546	15	1912	2031	2151	2270	2390	2509	2629	2748	2987	634	1,2403
583	16	2015	2141	2267	2392	2518	2644	2770	2896	3148	667	1,2441
620	17	2115	2247	2379	2511	2643	2776	2908	3040	3304	699	1,2479
657	18	2212	2350	2488	2627	2765	2903	3041	3180	3456	729	1,2517
694	19	2306	2450	2594	2738	2883	3027	3171	3315	3603	761	1,2514
731	20	2397	2547	2697	2847	2997	3147	3296	3446	3746	791	1,2511
768	21	2486	2642	2797	2952	3108	3263	3419	3574	3885	820	1,2508
805	22	2572	2733	2894	3054	3215	3376	3537	3697	4019	849	1,2504
842	23	2656	2821	2987	3153	3319	3485	3651	3817	4149	876	1,2501
879	24	2736	2907	3078	3249	3420	3591	3762	3933	4276	903	1,2498
916	25	2814	2990	3166	3342	3518	3694	3870	4046	4398	929	1,2495
953	26	2890	3071	3252	3432	3613	3793	3974	4155	4516	954	1,2492
990	27	2964	3149	3334	3519	3704	3890	4075	4260	4631	979	1,2489
1027	28	3034	3224	3414	3603	3793	3983	4172	4362	4741	1002	1,2485
1064	29	3103	3297	3491	3685	3879	4073	4267	4461	4849	1025	1,2482
1101	30	3169	3367	3565	3764	3962	4160	4358	4556	4952	1047	1,2479
1138	31	3233	3435	3637	3840	4042	4244	4446	4648	5052	1069	1,2467
1175	32	3295	3501	3707	3913	4119	4325	4531	4737	5149	1090	1,2455
1212	33	3355	3565	3774	3984	4194	4403	4613	4823	5242	1111	1,2443
1249	34	3413	3626	3839	4053	4266	4479	4692	4906	5332	1130	1,2431
1286	35	3469	3685	3902	4119	4336	4553	4769	4986	5420	1149	1,2419
1323	36	3522	3742	3962	4182	4402	4622	4842	5063	5503	1168	1,2407
1360	37	3573	3797	4020	4243	4467	4690	4913	5137	5584	1186	1,2395
1397	38	3623	3849	4076	4302	4529	4755	4982	5208	5661	1203	1,2383
1434	39	3671	3900	4130	4359	4589	4818	5047	5277	5736	1220	1,2371
1471	40	3717	3949	4181	4414	4646	4878	5111	5343	5808	1236	1,2359
1508	41	3761	3996	4231	4466	4701	4936	5171	5406	5877	1251	1,2347
1545	42	3803	4041	4279	4516	4754	4992	5230	5467	5943	1266	1,2335

ALICE 25

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 398 mm							
11	400	1,2252	5,9	367	279	196	AT25 11 040 H __ __ A
	500	1,2252	7,2	459	349	245	AT25 11 050 H __ __ A
	600	1,2252	8,5	551	419	295	AT25 11 060 H __ __ A
	700	1,2252	9,8	642	488	343	AT25 11 070 H __ __ A
	800	1,2252	11,1	734	558	393	AT25 11 080 H __ __ A
	1000	1,2252	13,7	918	698	491	AT25 11 100 H __ __ A
	1200	1,2252	16,3	1101	838	589	AT25 11 120 H __ __ A
	1400	1,2252	18,9	1285	978	687	AT25 11 140 H __ __ A
	1500	1,2252	20,2	1377	1048	736	AT25 11 150 H __ __ A
	1600	1,2252	21,5	1468	1117	785	AT25 11 160 H __ __ A
	1700	1,2252	22,8	1560	1187	834	AT25 11 170 H __ __ A
	1800	1,2252	24,2	1652	1257	883	AT25 11 180 H __ __ A
	1900	1,2252	25,5	1744	1327	933	AT25 11 190 H __ __ A
	2000	1,2252	26,8	1835	1396	981	AT25 11 200 H __ __ A
	2100	1,2252	28,1	1927	1466	1031	AT25 11 210 H __ __ A
	2200	1,2252	29,4	2019	1536	1080	AT25 11 220 H __ __ A
	2300	1,2252	30,7	2111	1606	1129	AT25 11 230 H __ __ A
	2500	1,2252	33,3	2294	1745	1227	AT25 11 250 H __ __ A
H 435 mm							
12	400	1,2290	6,4	396	301	211	AT25 12 040 H __ __ A
	500	1,2290	7,9	495	376	264	AT25 12 050 H __ __ A
	600	1,2290	9,3	594	452	317	AT25 12 060 H __ __ A
	700	1,2290	10,7	693	527	370	AT25 12 070 H __ __ A
	800	1,2290	12,1	792	602	423	AT25 12 080 H __ __ A
	1000	1,2290	15,0	990	753	528	AT25 12 100 H __ __ A
	1200	1,2290	17,8	1188	903	634	AT25 12 120 H __ __ A
	1400	1,2290	20,7	1386	1054	740	AT25 12 140 H __ __ A
	1500	1,2290	22,1	1485	1129	793	AT25 12 150 H __ __ A
	1600	1,2290	23,5	1584	1204	845	AT25 12 160 H __ __ A
	1700	1,2290	24,9	1683	1279	898	AT25 12 170 H __ __ A
	1800	1,2290	26,4	1782	1355	951	AT25 12 180 H __ __ A
	1900	1,2290	27,8	1881	1430	1004	AT25 12 190 H __ __ A
	2000	1,2290	29,2	1980	1505	1057	AT25 12 200 H __ __ A
	2100	1,2290	30,6	2079	1580	1110	AT25 12 210 H __ __ A
	2200	1,2290	32,0	2178	1656	1163	AT25 12 220 H __ __ A
	2300	1,2290	33,5	2277	1731	1215	AT25 12 230 H __ __ A
	2500	1,2290	36,3	2475	1881	1321	AT25 12 250 H __ __ A
H 509 mm							
14	400	1,2366	7,5	451	342	240	AT25 14 040 H __ __ A
	500	1,2366	9,2	564	428	300	AT25 14 050 H __ __ A
	600	1,2366	10,8	677	514	360	AT25 14 060 H __ __ A
	700	1,2366	12,5	790	599	420	AT25 14 070 H __ __ A
	800	1,2366	14,2	903	685	480	AT25 14 080 H __ __ A
	1000	1,2366	17,5	1129	857	600	AT25 14 100 H __ __ A
	1200	1,2366	20,8	1354	1027	720	AT25 14 120 H __ __ A
	1400	1,2366	24,1	1580	1199	840	AT25 14 140 H __ __ A
	1500	1,2366	25,8	1693	1285	900	AT25 14 150 H __ __ A
	1600	1,2366	27,4	1806	1370	960	AT25 14 160 H __ __ A
	1700	1,2366	29,1	1918	1455	1020	AT25 14 170 H __ __ A
	1800	1,2366	30,7	2031	1541	1080	AT25 14 180 H __ __ A
	1900	1,2366	32,4	2144	1627	1140	AT25 14 190 H __ __ A
	2000	1,2366	34,1	2257	1713	1200	AT25 14 200 H __ __ A
	2100	1,2366	35,7	2370	1798	1260	AT25 14 210 H __ __ A
	2200	1,2366	37,4	2483	1884	1320	AT25 14 220 H __ __ A
	2300	1,2366	39,0	2596	1970	1380	AT25 14 230 H __ __ A
	2500	1,2366	42,4	2821	2141	1500	AT25 14 250 H __ __ A

ALICE 25

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 583 mm							
16	400	1,2441	8,6	504	382	267	AT25 16 040 H __ __ A
	500	1,2441	10,5	630	477	334	AT25 16 050 H __ __ A
	600	1,2441	12,4	756	573	400	AT25 16 060 H __ __ A
	700	1,2441	14,3	881	667	467	AT25 16 070 H __ __ A
	800	1,2441	16,2	1007	763	533	AT25 16 080 H __ __ A
	1000	1,2441	20,0	1259	954	667	AT25 16 100 H __ __ A
	1200	1,2441	23,8	1511	1145	800	AT25 16 120 H __ __ A
	1400	1,2441	27,6	1763	1336	934	AT25 16 140 H __ __ A
	1500	1,2441	29,4	1889	1431	1001	AT25 16 150 H __ __ A
	1600	1,2441	31,3	2015	1527	1067	AT25 16 160 H __ __ A
	1700	1,2441	33,2	2141	1622	1134	AT25 16 170 H __ __ A
	1800	1,2441	35,1	2267	1717	1201	AT25 16 180 H __ __ A
	1900	1,2441	37,0	2392	1812	1267	AT25 16 190 H __ __ A
	2000	1,2441	38,9	2518	1908	1334	AT25 16 200 H __ __ A
	2100	1,2441	40,8	2644	2003	1400	AT25 16 210 H __ __ A
	2200	1,2441	42,7	2770	2099	1467	AT25 16 220 H __ __ A
	2300	1,2441	44,6	2896	2194	1534	AT25 16 230 H __ __ A
	2500	1,2441	48,4	3148	2385	1667	AT25 16 250 H __ __ A
H 620 mm							
17	400	1,2479	9,1	529	400	280	AT25 17 040 H __ __ A
	500	1,2479	11,2	661	500	349	AT25 17 050 H __ __ A
	600	1,2479	13,2	793	600	419	AT25 17 060 H __ __ A
	700	1,2479	15,2	925	700	489	AT25 17 070 H __ __ A
	800	1,2479	17,2	1057	800	559	AT25 17 080 H __ __ A
	1000	1,2479	21,2	1322	1001	699	AT25 17 100 H __ __ A
	1200	1,2479	25,2	1586	1201	838	AT25 17 120 H __ __ A
	1400	1,2479	29,3	1850	1400	978	AT25 17 140 H __ __ A
	1500	1,2479	31,3	1983	1501	1048	AT25 17 150 H __ __ A
	1600	1,2479	33,3	2115	1601	1118	AT25 17 160 H __ __ A
	1700	1,2479	35,3	2247	1701	1188	AT25 17 170 H __ __ A
	1800	1,2479	37,3	2379	1801	1258	AT25 17 180 H __ __ A
	1900	1,2479	39,3	2511	1901	1327	AT25 17 190 H __ __ A
	2000	1,2479	41,4	2643	2001	1397	AT25 17 200 H __ __ A
	2100	1,2479	43,4	2776	2101	1467	AT25 17 210 H __ __ A
	2200	1,2479	45,4	2908	2201	1537	AT25 17 220 H __ __ A
	2300	1,2479	47,4	3040	2301	1607	AT25 17 230 H __ __ A
	2500	1,2479	51,4	3304	2501	1747	AT25 17 250 H __ __ A
H 694 mm							
19	400	1,2514	10,2	577	436	304	AT25 19 040 H __ __ A
	500	1,2514	12,5	721	545	380	AT25 19 050 H __ __ A
	600	1,2514	14,7	865	654	456	AT25 19 060 H __ __ A
	700	1,2514	16,9	1009	763	532	AT25 19 070 H __ __ A
	800	1,2514	19,2	1153	872	608	AT25 19 080 H __ __ A
	1000	1,2514	23,7	1441	1090	760	AT25 19 100 H __ __ A
	1200	1,2514	28,2	1730	1308	913	AT25 19 120 H __ __ A
	1400	1,2514	32,7	2018	1526	1065	AT25 19 140 H __ __ A
	1500	1,2514	35,0	2162	1635	1141	AT25 19 150 H __ __ A
	1600	1,2514	37,2	2306	1744	1217	AT25 19 160 H __ __ A
	1700	1,2514	39,5	2450	1853	1293	AT25 19 170 H __ __ A
	1800	1,2514	41,7	2594	1962	1369	AT25 19 180 H __ __ A
	1900	1,2514	44,0	2738	2071	1445	AT25 19 190 H __ __ A
	2000	1,2514	46,2	2883	2181	1521	AT25 19 200 H __ __ A
	2100	1,2514	48,5	3027	2289	1597	AT25 19 210 H __ __ A
	2200	1,2514	50,7	3171	2398	1673	AT25 19 220 H __ __ A
	2300	1,2514	53,0	3315	2507	1749	AT25 19 230 H __ __ A
	2500	1,2514	57,5	3603	2725	1901	AT25 19 250 H __ __ A

HOW TO ORDER THE ALICE 25 TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Alice 25 tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
AT25	12	120	H04	R01	A

Example of article code creation

AT25 ALICE TANDEM 25 Horizontal
12 12 Elements
120 width 1200 mm
H04 connection H04 (see product page)
R01 color R01 - White (see color chart)
A Constant value

AT25 12 120 H04 R01 A

ARIANNA

TANDEM

WARRANTY **5 YEARS**



MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• Ø 38 mm double vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

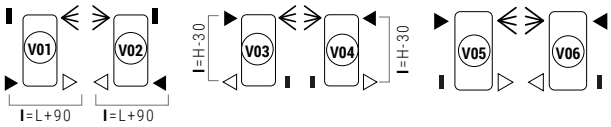
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

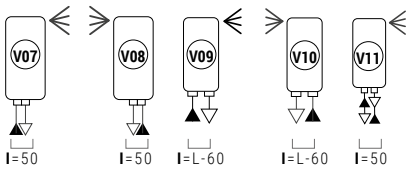
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



SPECIAL CONNECTIONS



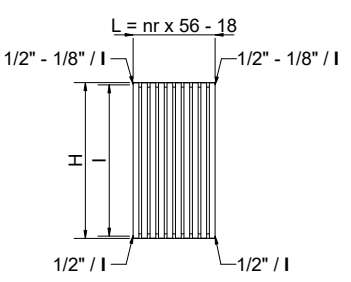
Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

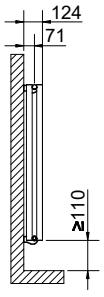
LEGEND
In — Pipe Centres
Out — Width
Airvent — Connection
Height — Welded cap

Height H [mm]	430	474	530	574	630	724	780
Therm. output per el. Δt = 50 °C [Watt]	55,5	60,2	66,1	70,7	76,4	86	91,7
Therm. output per el. Δt = 30 °C [Watt]	29,2	31,6	34,6	37	40	44,9	47,8
Dry Weight per element [kg]	1,056	1,129	1,274	1,347	1,492	1,674	1,819
Water content [lt]	0,92	1,011	1,119	1,21	1,318	1,508	1,617
Element surface [m²]	0,113	0,124	0,137	0,148	0,161	0,183	0,197
Exponent **n**	1,2589	1,2611	1,2638	1,2660	1,2686	1,2731	1,2758
Pipe Centres I [mm] (V3-V4 only)	**400**	**444**	**500**	**544**	**600**	**694**	**750**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	830	874	930	1030	1774	1830	1974	2030
Therm. output per el. Δt = 50 °C [Watt]	96,7	101,1	106,7	116,6	190	195,5	209,9	215,5
Therm. output per el. Δt = 30 °C [Watt]	50,3	52,6	55,5	60,7	98,7	101,6	109,1	112,1
Dry Weight per element [kg]	1,928	2,001	2,146	2,364	3,963	4,108	4,399	4,544
Water content [lt]	1,716	1,807	1,916	2,115	3,599	3,707	3,997	4,105
Element surface [m²]	0,209	0,219	0,233	0,256	0,434	0,447	0,482	0,495
Exponent **n**	1,2782	1,2785	1,2787	1,2792	1,2828	1,2822	1,2804	1,2797
Pipe Centres I [mm] (V3-V4 only)	**800**	**844**	**900**	**1000**	**1744**	**1800**	**1944**	**2000**



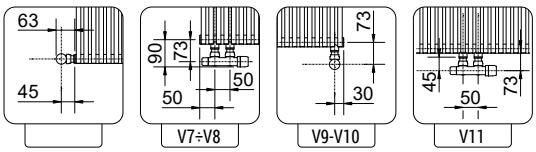


AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Quotes for Kristal valves



Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE RADIATOR ARIANNA TANDEM

Radiator model E.g.: Arianna Tandem	Nr of Elements E.g.: 16 Elements	Height in mm Example: 1830 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
AT38	16	183	V02	T01	A

Example of article code creation

AT38 ARIANNA TANDEM
16 16 Elements (see table below)
183 Height 1830 mm (see table below)
V02 Connection V02 (see next page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:

AT38 16 183 V02 T01 A

Height H [mm]		430	474	530	574	630	724	780
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
318	6	333	361	397	424	458	516	550
374	7	389	421	463	495	535	602	642
430	8	444	482	529	566	611	688	734
486	9	500	542	595	636	688	774	825
542	10	555	602	661	707	764	860	917
598	11	611	662	727	778	840	946	1009
654	12	666	722	793	848	917	1032	1100
710	13	722	783	859	919	993	1118	1192
766	14	777	843	925	990	1070	1204	1284
822	15	833	903	992	1061	1146	1290	1376
878	16	888	963	1058	1131	1222	1376	1467
934	17	944	1023	1124	1202	1299	1462	1559
990	18	999	1084	1190	1273	1375	1548	1651
1046	19	1055	1144	1256	1343	1452	1634	1742
1102	20	1110	1204	1322	1414	1528	1720	1834
1158	21	1166	1264	1388	1485	1604	1806	1926
1214	22	1221	1324	1454	1555	1681	1892	2017
1270	23	1277	1385	1520	1626	1757	1978	2109
1326	24	1332	1445	1586	1697	1834	2064	2201
1382	25	1388	1505	1653	1768	1910	2150	2293
1438	26	1443	1565	1719	1838	1986	2236	2384
1494	27	1499	1625	1785	1909	2063	2322	2476
1550	28	1554	1686	1851	1980	2139	2408	2568
1606	29	1610	1746	1917	2050	2216	2494	2659
1662	30	1665	1806	1983	2121	2292	2580	2751

All intermediate sizes are available for widths from 6 to 30 elements and heights from 430 to2030 mm.

PIPE CENTRES FOR REPLACEMENT

Replacement heights are marked in grey color.

Height H [mm]		830	874	930	1030	1774	1830	1974	2030
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
318	6	580	607	640	700	1140	1173	1259	1293
374	7	677	708	747	816	1330	1369	1469	1509
430	8	774	809	854	933	1520	1564	1679	1724
486	9	870	910	960	1049	1710	1760	1889	1940
542	10	967	1011	1067	1166	1900	1955	2099	2155
598	11	1064	1112	1174	1283	2090	2151	2309	2371
654	12	1160	1213	1280	1399	2280	2346	2519	2586
710	13	1257	1314	1387	1516	2470	2542	2729	2802
766	14	1354	1415	1494	1632	2660	2737	2939	3017
822	15	1451	1517	1601	1749	2850	2933	3149	3233
878	16	1547	1618	1707	1866				
934	17	1644	1719	1814	1982				
990	18	1741	1820	1921	2099				
1046	19	1837	1921	2027	2215				
1102	20	1934	2022	2134	2332				
1158	21	2031	2123	2241	2449				
1214	22	2127	2224	2347	2565				
1270	23	2224	2325	2454	2682				
1326	24	2321	2426	2561	2798				
1382	25	2418	2528	2668	2915				
1438	26	2514	2629	2774	3032				
1494	27	2611	2730	2881	3148				
1550	28	2708	2831	2988	3265				
1606	29	2804	2932	3094	3381				
1662	30	2901	3033	3201	3498				

Accessories for **ARIANNA TANDEM** radiator

ARYS



Complete list from page 294.

ARIANNA

TANDEM

Elements	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]		[Watt]		
H 530 mm						
9	486	11,5	595	449	312	AT38 09 053 V __ __ A
10	542	12,7	661	499	347	AT38 10 053 V __ __ A
11	598	14,0	727	548	381	AT38 11 053 V __ __ A
12	654	15,3	793	598	416	AT38 12 053 V __ __ A
13	710	16,6	859	648	451	AT38 13 053 V __ __ A
14	766	17,8	925	698	485	AT38 14 053 V __ __ A
15	822	19,1	992	748	520	AT38 15 053 V __ __ A
16	878	20,4	1058	798	555	AT38 16 053 V __ __ A
17	934	21,7	1124	848	589	AT38 17 053 V __ __ A
18	990	22,9	1190	897	624	AT38 18 053 V __ __ A
19	1046	24,2	1256	947	659	AT38 19 053 V __ __ A
20	1102	25,5	1322	997	693	AT38 20 053 V __ __ A
21	1158	26,8	1388	1047	728	AT38 21 053 V __ __ A
22	1214	28,0	1454	1097	763	AT38 22 053 V __ __ A
23	1270	29,3	1520	1147	797	AT38 23 053 V __ __ A
24	1326	30,6	1586	1197	832	AT38 24 053 V __ __ A
25	1382	31,9	1653	1246	867	AT38 25 053 V __ __ A
H 630 mm						
9	486	13,4	688	518	360	AT38 09 063 V __ __ A
10	542	14,9	764	576	400	AT38 10 063 V __ __ A
11	598	16,4	840	633	440	AT38 11 063 V __ __ A
12	654	17,9	917	691	480	AT38 12 063 V __ __ A
13	710	19,4	993	748	520	AT38 13 063 V __ __ A
14	766	20,9	1070	806	559	AT38 14 063 V __ __ A
15	822	22,4	1146	863	599	AT38 15 063 V __ __ A
16	878	23,9	1222	921	639	AT38 16 063 V __ __ A
17	934	25,4	1299	979	679	AT38 17 063 V __ __ A
18	990	26,9	1375	1036	719	AT38 18 063 V __ __ A
19	1046	28,3	1452	1094	759	AT38 19 063 V __ __ A
20	1102	29,8	1528	1151	799	AT38 20 063 V __ __ A
21	1158	31,3	1604	1209	839	AT38 21 063 V __ __ A
22	1214	32,8	1681	1266	879	AT38 22 063 V __ __ A
23	1270	34,3	1757	1324	919	AT38 23 063 V __ __ A
24	1326	35,8	1834	1382	959	AT38 24 063 V __ __ A
25	1382	37,3	1910	1439	999	AT38 25 063 V __ __ A
H 830 mm						
9	486	17,4	870	654	453	AT38 09 083 V __ __ A
10	542	19,3	967	727	503	AT38 10 083 V __ __ A
11	598	21,2	1064	800	554	AT38 11 083 V __ __ A
12	654	23,1	1160	872	604	AT38 12 083 V __ __ A
13	710	25,1	1257	945	654	AT38 13 083 V __ __ A
14	766	27,0	1354	1018	705	AT38 14 083 V __ __ A
15	822	28,9	1451	1091	755	AT38 15 083 V __ __ A
16	878	30,8	1547	1163	805	AT38 16 083 V __ __ A
17	934	32,8	1644	1236	856	AT38 17 083 V __ __ A
18	990	34,7	1741	1309	906	AT38 18 083 V __ __ A
19	1046	36,6	1837	1381	956	AT38 19 083 V __ __ A
20	1102	38,6	1934	1454	1007	AT38 20 083 V __ __ A
21	1158	40,5	2031	1527	1057	AT38 21 083 V __ __ A
22	1214	42,4	2127	1599	1107	AT38 22 083 V __ __ A
23	1270	44,3	2224	1672	1158	AT38 23 083 V __ __ A
24	1326	46,3	2321	1745	1208	AT38 24 083 V __ __ A
25	1382	48,2	2418	1818	1258	AT38 25 083 V __ __ A

HOW TO ORDER THE RADIATOR ARIANNA TANDEM

Radiator model E.g.: Arianna Tandem	Nr of Elements E.g.: 16 Elements	Height in mm Example: 1830 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
AT38	16	183	V02	T01	A

Example of article code creation

AT38 ARIANNA TANDEM
16 16 Elements
183 Height 1830 mm
V02 connection V02 (see product page)
T01 color T01 - Matt black (see color chart)
C Constant value

The article code will be:
AT38 16 183 V02 T01 A

ARIANNA

TANDEM

Elements	Width	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 1030 mm						
9	486	21,3	1049	789	546	AT38 09 103 V __ __ A
10	542	23,6	1166	876	607	AT38 10 103 V __ __ A
11	598	26,0	1283	964	667	AT38 11 103 V __ __ A
12	654	28,4	1399	1052	728	AT38 12 103 V __ __ A
13	710	30,7	1516	1139	789	AT38 13 103 V __ __ A
14	766	33,1	1632	1227	849	AT38 14 103 V __ __ A
15	822	35,5	1749	1315	910	AT38 15 103 V __ __ A
16	878	37,8	1866	1402	971	AT38 16 103 V __ __ A
17	934	40,2	1982	1490	1031	AT38 17 103 V __ __ A
18	990	42,6	2099	1578	1092	AT38 18 103 V __ __ A
19	1046	44,9	2215	1665	1153	AT38 19 103 V __ __ A
20	1102	47,3	2332	1753	1213	AT38 20 103 V __ __ A
21	1158	49,6	2449	1841	1274	AT38 21 103 V __ __ A
22	1214	52,0	2565	1928	1335	AT38 22 103 V __ __ A
23	1270	54,4	2682	2016	1395	AT38 23 103 V __ __ A
24	1326	56,7	2798	2103	1456	AT38 24 103 V __ __ A
25	1382	59,1	2915	2191	1517	AT38 25 103 V __ __ A
H 1774 mm						
6	318	23,8	1140	856	592	AT38 06 177 V __ __ A
7	374	27,7	1330	999	691	AT38 07 177 V __ __ A
8	430	31,7	1520	1142	789	AT38 08 177 V __ __ A
9	486	35,7	1710	1284	888	AT38 09 177 V __ __ A
10	542	39,6	1900	1427	987	AT38 10 177 V __ __ A
11	598	43,6	2090	1570	1085	AT38 11 177 V __ __ A
12	654	47,6	2280	1712	1184	AT38 12 177 V __ __ A
13	710	51,5	2470	1855	1283	AT38 13 177 V __ __ A
14	766	55,5	2660	1998	1381	AT38 14 177 V __ __ A
15	822	59,4	2850	2141	1480	AT38 15 177 V __ __ A
H 1830 mm						
6	318	24,6	1173	881	609	AT38 06 183 V __ __ A
7	374	28,8	1369	1028	711	AT38 07 183 V __ __ A
8	430	32,9	1564	1175	812	AT38 08 183 V __ __ A
9	486	37,0	1760	1322	914	AT38 09 183 V __ __ A
10	542	41,1	1955	1469	1016	AT38 10 183 V __ __ A
11	598	45,2	2151	1615	1117	AT38 11 183 V __ __ A
12	654	49,3	2346	1762	1219	AT38 12 183 V __ __ A
13	710	53,4	2542	1909	1320	AT38 13 183 V __ __ A
14	766	57,5	2737	2056	1422	AT38 14 183 V __ __ A
15	822	61,6	2933	2203	1523	AT38 15 183 V __ __ A
H 1974 mm						
6	318	27,3	1259	946	655	AT38 06 197 V __ __ A
7	374	31,8	1469	1104	764	AT38 07 197 V __ __ A
8	430	36,4	1679	1262	873	AT38 08 197 V __ __ A
9	486	40,9	1889	1420	982	AT38 09 197 V __ __ A
10	542	45,4	2099	1577	1091	AT38 10 197 V __ __ A
11	598	50,0	2309	1735	1200	AT38 11 197 V __ __ A
12	654	54,5	2519	1893	1310	AT38 12 197 V __ __ A
13	710	59,1	2729	2051	1419	AT38 13 197 V __ __ A
14	766	63,6	2939	2208	1528	AT38 14 197 V __ __ A
15	822	68,2	3149	2366	1637	AT38 15 197 V __ __ A
H 2030 mm						
6	318	27,3	1293	972	673	AT38 06 203 V __ __ A
7	374	31,8	1509	1134	785	AT38 07 203 V __ __ A
8	430	36,4	1724	1296	897	AT38 08 203 V __ __ A
9	486	40,9	1940	1458	1009	AT38 09 203 V __ __ A
10	542	45,4	2155	1620	1121	AT38 10 203 V __ __ A
11	598	50,0	2371	1782	1233	AT38 11 203 V __ __ A
12	654	54,5	2586	1944	1345	AT38 12 203 V __ __ A
13	710	59,1	2802	2106	1457	AT38 13 203 V __ __ A
14	766	63,6	3017	2268	1569	AT38 14 203 V __ __ A
15	822	68,2	3233	2430	1681	AT38 15 203 V __ __ A



ARYS

Accessories for ARIANNA TANDEM radiator

design **Mariano Moroni**

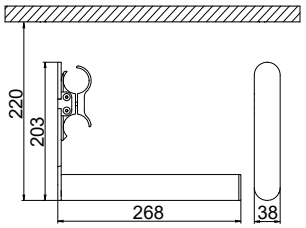
CE

EUROPEAN **WARRANTY**

TOWEL HOLDER LEFT - L. 268 mm

Material: painted mild steel





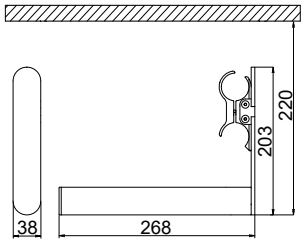
Art. nr.
R01 White

5991990310687

TOWEL HOLDER RIGHT - L. 268 mm

Material: painted mild steel





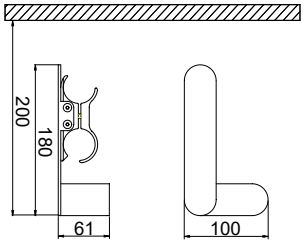
Art. nr.
R01 White

5991990310686

ROBE HANGER LEFT- L. 61 mm

Material: painted mild steel





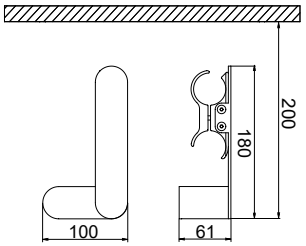
Art. nr.
R01 White

5991990310685

ROBE HANGER RIGHT - L. 61 mm

Material: painted mild steel





Art. nr.
R01 White

5991990310684



ARYS

Accessories for ARIANNA TANDEM radiator

design **Mariano Moroni**

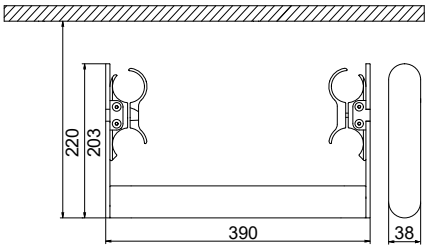
CE

EUROPEAN **WARRANTY**

TOWEL BAR - L. 390 mm (for Arianna Tandem radiator 7 Elements)

Material: painted mild steel



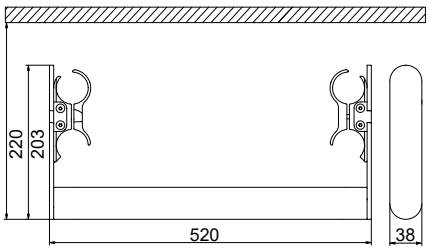


Art. nr. R01 White
5991990310682

TOWEL BAR - L. 502 mm (for Arianna T andem radiator 9 Elements)

Material: painted mild steel





Art. nr. R01 White
5991990310683

I codici riportati nelle tabelle si riferiscono al colore White R01.



ARYS

Accessories for ARIANNA TANDEM radiator

design **Mariano Moroni**

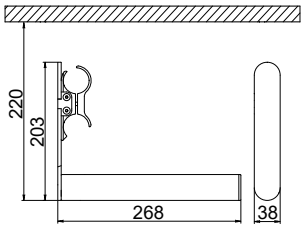
CE

EUROPEAN **WARRANTY**

TOWEL HOLDER LEFT - L. 268 mm

Material: Wood



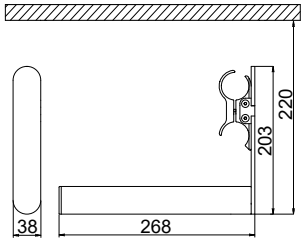


Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500046
	RAL 9016 - R02 Traffic White	5991990530010
	T11 Matt White	5991990530011
	F20 Milky	5991990530012

TOWEL HOLDER RIGHT - L. 268 mm

Material: Wood



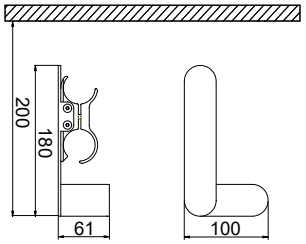


Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500045
	RAL 9016 - R02 Traffic White	5991990530007
	T11 Matt White	5991990530008
	F20 Milky	5991990530009

ROBE HANGER LEFT - L. 61 mm

Material: Wood



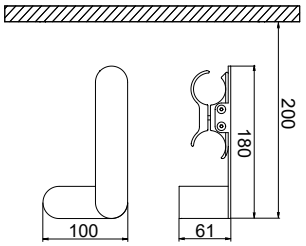


Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500044
	RAL 9016 - R02 Traffic White	5991990530016
	T11 Matt White	5991990530017
	F20 Milky	5991990530018

ROBE HANGER RIGHT - L. 61 mm

Material: Wood





Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500043
	RAL 9016 - R02 Traffic White	5991990530013
	T11 Matt White	5991990530014
	F20 Milky	5991990530015



ARYS

Accessories for ARIANNA TANDEM radiator

design **Mariano Moroni**

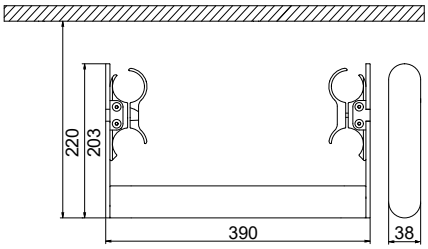
CE

EUROPEAN **WARRANTY**

TOWEL BAR - L. 390 mm (for Arianna tandem radiator 7 Elements)

Material: Wood



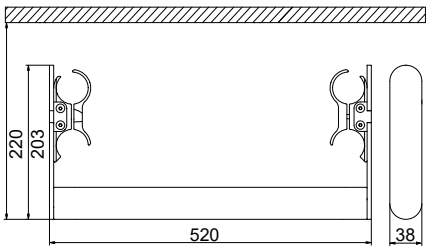


Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500041
	RAL 9016 - R02 Traffic White	5991990530001
	T11 Matt White	5991990530002
	F20 Milky	5991990530003

TOWEL BAR - L. 502 mm (for Arianna tandem radiator 9 Elements)

Material: Wood





Wood finishings	Painted support	Art. nr.
Whitened Oak	**RAL 9010 - R01** Pure White	5991990500042
	RAL 9016 - R02 Traffic White	5991990530004
	T11 Matt White	5991990530005
	F20 Milky	5991990530006

WOOD FINISHINGS



Whitened Oak

DORIANA

VERTICAL

WARRANTY **5 YEARS**


Color: F36 Terra

Height H [mm]	500	600	700	800	900	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	23,7	27,9	32,1	36,2	40,3	44,3	52,4	60,4	64,5
Therm. output per el. Δt = 30 °C [Watt]	12,3	14,5	16,7	18,8	20,9	23,0	27,2	31,3	33,4
Dry Weight per element [kg]	0,352	0,411	0,470	0,529	0,588	0,647	0,765	0,883	0,942
Water content [lt]	0,241	0,282	0,323	0,364	0,405	0,446	0,528	0,610	0,651
Element surface [m²]	0,042	0,050	0,058	0,066	0,074	0,082	0,098	0,114	0,122
Exponent **n**	1,2791	1,2801	1,2810	1,2820	1,2830	1,2839	1,2859	1,2878	1,2888
Pipe Centres I [mm] (V3-V4 only)	**450**	**550**	**650**	**750**	**850**	**950**	**1150**	**1350**	**1450**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Height H [mm]	1600	1800	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	68,5	76,5	84,5	92,6	96,6	105
Therm. output per el. Δt = 30 °C [Watt]	35,4	39,5	43,6	47,8	49,8	54,1
Dry Weight per element [kg]	1,001	1,119	1,237	1,355	1,414	1,532
Water content [lt]	0,692	0,774	0,856	0,938	0,979	1,061
Element surface [m²]	0,130	0,146	0,162	0,178	0,186	0,202
Exponent **n**	1,2897	1,2917	1,2936	1,2955	1,2965	1,2984
Pipe Centres I [mm] (V3-V4 only)	**1550**	**1750**	**1950**	**2150**	**2250**	**2450**

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• 30x40 mm semi-oval horizontal collectors in painted mild steel.
• Ø 25 mm vertical heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

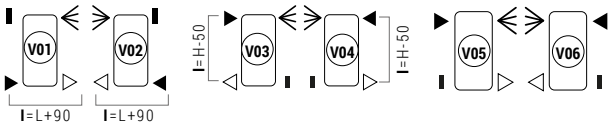
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

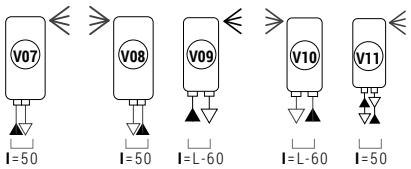
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS

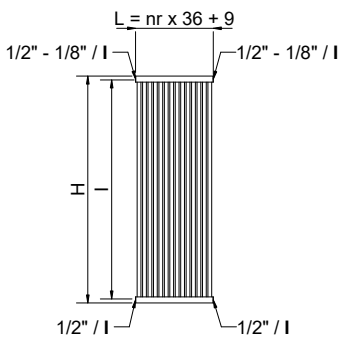


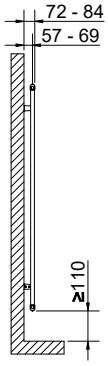
SPECIAL CONNECTIONS



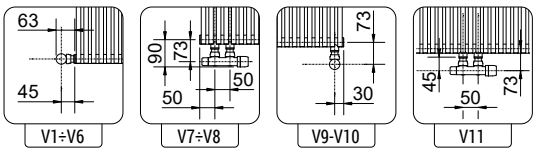
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND
In · Out · Airvent · Height · Pipe Centres · Width · Connection · Welded cap





Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE DORIANA VERTICAL RADIATOR

Radiator model E.g.: Doriana VERTICAL	Nr of Elements E.g.: 15 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
DO25	15	180	V01	R01	A

Example of article code creation

DO25 DORIANA VERTICAL
15 15 Elements (see table below)
180 Height 1800 mm (see table below)
V01 Connection V01 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
DO25 15 180 V01 R01 A

Height H [mm]		500	600	700	800	900	1000	1200	1400	1500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
189	5	119	140	161	181	202	222	262	302	323
225	6	142	167	193	217	242	266	314	362	387
261	7	166	195	225	253	282	310	367	423	452
297	8	190	223	257	290	322	354	419	483	516
333	9	213	251	289	326	363	399	472	544	581
369	10	237	279	321	362	403	443	524	604	645
405	11	261	307	353	398	443	487	576	664	710
441	12	284	335	385	434	484	532	629	725	774
477	13	308	363	417	471	524	576	681	785	839
513	14	332	391	449	507	564	620	734	846	903
549	15	356	419	482	543	605	665	786	906	968
585	16	379	446	514	579	645	709	838	966	1032
621	17	403	474	546	615	685	753	891	1027	1097
657	18	427	502	578	652	725	797	943	1087	1161
693	19	450	530	610	688	766	842	996	1148	1226
729	20	474	558	642	724	806	886	1048	1208	1290
765	21	498	586	674	760	846	930	1100	1268	1355
801	22	521	614	706	796	887	975	1153	1329	1419
837	23	545	642	738	833	927	1019	1205	1389	1484
873	24	569	670	770	869	967	1063	1258	1450	1548
909	25	593	698	803	905	1008	1108	1310	1510	1613
945	26	616	725	835	941	1048	1152	1362	1570	1677
981	27	640	753	867	977	1088	1196	1415	1631	1742
1017	28	664	781	899	1014	1128	1240	1467	1691	1806
1053	29	687	809	931	1050	1169	1285	1520	1752	1871
1089	30	711	837	963	1086	1209	1329	1572	1812	1935
1125	31	735	865	995	1122	1249	1373	1624	1872	2000
1161	32	758	893	1027	1158	1290	1418	1677	1933	2064
1197	33	782	921	1059	1195	1330	1462	1729	1993	2129
1233	34	806	949	1091	1231	1370	1506	1782	2054	2193
1269	35	830	977	1124	1267	1411	1551	1834	2114	2258
1305	36	853	1004	1156	1303	1451	1595	1886	2174	2322
1341	37	877	1032	1188	1339	1491	1639	1939	2235	2387
1377	38	901	1060	1220	1376	1531	1683	1991	2295	2451

Height H [mm]		1600	1800	2000	2200	2300	2500
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
189	5	343	383	423	463	483	525
225	6	411	459	507	556	580	630
261	7	480	536	592	648	676	735
297	8	548	612	676	741	773	840
333	9	617	689	761	833	869	945
369	10	685	765	845	926	966	1050
405	11	754	842	930	1019	1063	1155
441	12	822	918	1014	1111	1159	1260
477	13	891	995	1099	1204	1256	1365
513	14	959	1071	1183	1296	1352	1470
549	15	1028	1148	1268	1389	1449	1575
585	16	1096	1224	1352	1482	1546	1680
621	17	1165	1301	1437	1574	1642	1785
657	18	1233	1377	1521	1667	1739	1890
693	19	1302	1454	1606	1759	1835	1995
729	20	1370	1530	1690	1852	1932	2100
765	21	1439	1607	1775	1945	2029	2205
801	22	1507	1683	1859	2037	2125	2310
837	23	1576	1760	1944	2130	2222	2415
873	24	1644	1836	2028	2222	2318	2520
909	25	1713	1913	2113	2315	2415	2625
945	26	1781	1989	2197	2408	2512	2730
981	27	1850	2066	2282	2500	2608	2835
1017	28	1918	2142	2366	2593	2705	2940
1053	29	1987	2219	2451	2685	2801	3045
1089	30	2055	2295	2535	2778	2898	3150
1125	31	2124	2372	2620	2871	2995	3255
1161	32	2192	2448	2704	2963	3091	3360
1197	33	2261	2525	2789	3056	3188	3465
1233	34	2329	2601	2873	3148	3284	3570
1269	35	2398	2678	2958	3241	3381	3675
1305	36	2466	2754	3042	3334	3478	3780
1341	37	2535	2831	3127	3426	3574	3885
1377	38	2603	2907	3211	3519	3671	3990

All intermediate sizes are available for widths from 5 to 38 Elements and heights from 500 to 2500 mm.

DORIANA

VERTICAL

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 500 mm						
8	297	2,8	190	143	99	DO25 08 050 V __ __ A
10	369	3,5	237	178	123	DO25 10 050 V __ __ A
12	441	4,2	284	214	148	DO25 12 050 V __ __ A
14	513	4,9	332	249	173	DO25 14 050 V __ __ A
15	549	5,3	356	267	185	DO25 15 050 V __ __ A
16	585	5,6	379	285	197	DO25 16 050 V __ __ A
18	657	6,3	427	321	222	DO25 18 050 V __ __ A
20	729	7,0	474	356	247	DO25 20 050 V __ __ A
22	801	7,7	521	392	271	DO25 22 050 V __ __ A
24	873	8,4	569	428	296	DO25 24 050 V __ __ A
28	1017	9,9	664	499	345	DO25 28 050 V __ __ A
32	1161	11,3	758	570	395	DO25 32 050 V __ __ A
38	1377	13,4	901	677	469	DO25 38 050 V __ __ A

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]	[Watt]			
H 600 mm						
8	297	3,3	223	168	116	DO25 08 060 V __ __ A
10	369	4,1	279	210	145	DO25 10 060 V __ __ A
12	441	4,9	335	252	174	DO25 12 060 V __ __ A
14	513	5,8	391	294	203	DO25 14 060 V __ __ A
15	549	6,2	419	315	218	DO25 15 060 V __ __ A
16	585	6,6	446	335	232	DO25 16 060 V __ __ A
18	657	7,4	502	377	261	DO25 18 060 V __ __ A
20	729	8,2	558	419	290	DO25 20 060 V __ __ A
22	801	9,0	614	461	319	DO25 22 060 V __ __ A
24	873	9,9	670	503	348	DO25 24 060 V __ __ A
28	1017	11,5	781	587	406	DO25 28 060 V __ __ A
32	1161	13,2	893	671	464	DO25 32 060 V __ __ A
38	1377	15,6	1060	797	551	DO25 38 060 V __ __ A

H 700 mm						
8	297	3,8	257	193	134	DO25 08 070 V __ __ A
10	369	4,7	321	241	167	DO25 10 070 V __ __ A
12	441	5,6	385	289	200	DO25 12 070 V __ __ A
14	513	6,6	449	338	234	DO25 14 070 V __ __ A
15	549	7,1	482	362	250	DO25 15 070 V __ __ A
16	585	7,5	514	386	267	DO25 16 070 V __ __ A
18	657	8,5	578	434	300	DO25 18 070 V __ __ A
19	693	8,9	610	458	317	DO25 19 070 V __ __ A
20	729	9,4	642	482	334	DO25 20 070 V __ __ A
22	801	10,3	706	531	367	DO25 22 070 V __ __ A
24	873	11,3	770	579	401	DO25 24 070 V __ __ A
26	945	12,2	835	627	434	DO25 26 070 V __ __ A
30	1089	14,1	963	724	501	DO25 30 070 V __ __ A
32	1161	15,0	1027	772	534	DO25 32 070 V __ __ A
36	1305	16,9	1156	868	601	DO25 36 070 V __ __ A

H 800 mm						
8	297	4,2	290	218	150	DO25 08 080 V __ __ A
10	369	5,3	362	272	188	DO25 10 080 V __ __ A
12	441	6,3	434	326	226	DO25 12 080 V __ __ A
14	513	7,4	507	381	263	DO25 14 080 V __ __ A
15	549	7,9	543	408	282	DO25 15 080 V __ __ A
16	585	8,5	579	435	301	DO25 16 080 V __ __ A
18	657	9,5	652	489	339	DO25 18 080 V __ __ A
19	693	10,1	688	517	357	DO25 19 080 V __ __ A
20	729	10,6	724	544	376	DO25 20 080 V __ __ A
22	801	11,6	796	598	414	DO25 22 080 V __ __ A
24	873	12,7	869	653	451	DO25 24 080 V __ __ A
26	945	13,8	941	707	489	DO25 26 080 V __ __ A
30	1089	15,9	1086	816	564	DO25 30 080 V __ __ A
32	1161	16,9	1158	870	602	DO25 32 080 V __ __ A
36	1305	19,0	1303	979	677	DO25 36 080 V __ __ A

H 1000 mm						
10	369	6,5	443	333	230	DO25 10 100 V __ __ A
12	441	7,8	532	399	276	DO25 12 100 V __ __ A
13	477	8,4	576	432	299	DO25 13 100 V __ __ A
14	513	9,1	620	466	322	DO25 14 100 V __ __ A
15	549	9,7	665	499	345	DO25 15 100 V __ __ A
16	585	10,4	709	532	368	DO25 16 100 V __ __ A
18	657	11,6	797	599	414	DO25 18 100 V __ __ A
20	729	12,9	886	665	460	DO25 20 100 V __ __ A
22	801	14,2	975	732	506	DO25 22 100 V __ __ A
24	873	15,5	1063	798	552	DO25 24 100 V __ __ A
28	1017	18,1	1240	931	644	DO25 28 100 V __ __ A
30	1089	19,4	1329	998	690	DO25 30 100 V __ __ A
38	1377	24,6	1683	1264	874	DO25 38 100 V __ __ A

H 1200 mm						
10	369	7,7	524	393	272	DO25 10 120 V __ __ A
12	441	9,2	629	472	326	DO25 12 120 V __ __ A
13	477	9,9	681	511	353	DO25 13 120 V __ __ A
14	513	10,7	734	551	380	DO25 14 120 V __ __ A
15	549	11,5	786	590	408	DO25 15 120 V __ __ A
16	585	12,2	838	629	435	DO25 16 120 V __ __ A
18	657	13,8	943	708	489	DO25 18 120 V __ __ A
20	729	15,3	1048	787	543	DO25 20 120 V __ __ A
22	801	16,8	1153	865	598	DO25 22 120 V __ __ A
24	873	18,4	1258	944	652	DO25 24 120 V __ __ A
28	1017	21,4	1467	1101	761	DO25 28 120 V __ __ A
30	1089	23,0	1572	1180	815	DO25 30 120 V __ __ A
38	1377	29,1	1991	1495	1032	DO25 38 120 V __ __ A

DORIANA

VERTICAL

H 1400 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	7,1	483	363	250	DO25 08 140 V __ __ A
9	333	7,9	544	408	282	DO25 09 140 V __ __ A
10	369	8,8	604	453	313	DO25 10 140 V __ __ A
11	405	9,7	664	498	344	DO25 11 140 V __ __ A
12	441	10,6	725	544	375	DO25 12 140 V __ __ A
13	477	11,5	785	589	407	DO25 13 140 V __ __ A
14	513	12,4	846	634	438	DO25 14 140 V __ __ A
15	549	13,2	906	680	469	DO25 15 140 V __ __ A
16	585	14,1	966	725	501	DO25 16 140 V __ __ A
18	657	15,9	1.087	816	563	DO25 18 140 V __ __ A
20	729	17,7	1.208	906	626	DO25 20 140 V __ __ A
22	801	19,4	1.329	997	688	DO25 22 140 V __ __ A
24	873	21,2	1.450	1088	751	DO25 24 140 V __ __ A
28	1017	24,7	1.691	1269	876	DO25 28 140 V __ __ A

H 1500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	7,5	516	387	267	DO25 08 150 V __ __ A
9	333	8,5	581	435	301	DO25 09 150 V __ __ A
10	369	9,4	645	484	334	DO25 10 150 V __ __ A
11	405	10,4	710	532	367	DO25 11 150 V __ __ A
12	441	11,3	774	581	401	DO25 12 150 V __ __ A
13	477	12,2	839	629	434	DO25 13 150 V __ __ A
14	513	13,2	903	677	467	DO25 14 150 V __ __ A
15	549	14,1	968	726	501	DO25 15 150 V __ __ A
16	585	15,1	1032	774	534	DO25 16 150 V __ __ A
18	657	17,0	1161	871	601	DO25 18 150 V __ __ A
20	729	18,8	1290	968	668	DO25 20 150 V __ __ A
22	801	20,7	1419	1064	735	DO25 22 150 V __ __ A
24	873	22,6	1548	1161	801	DO25 24 150 V __ __ A
28	1017	26,4	1806	1355	935	DO25 28 150 V __ __ A

H 1600 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	8,0	548	411	284	DO25 08 160 V __ __ A
10	369	10,0	685	514	354	DO25 10 160 V __ __ A
12	441	12,0	822	616	425	DO25 12 160 V __ __ A
14	513	14,0	959	719	496	DO25 14 160 V __ __ A
16	549	16,0	1096	822	567	DO25 16 160 V __ __ A
17	585	17,0	1165	873	603	DO25 17 160 V __ __ A
18	657	18,0	1233	925	638	DO25 18 160 V __ __ A
19	693	19,0	1302	976	673	DO25 19 160 V __ __ A
20	729	20,0	1370	1027	709	DO25 20 160 V __ __ A
22	801	22,0	1507	1130	780	DO25 22 160 V __ __ A
24	873	24,0	1644	1233	851	DO25 24 160 V __ __ A
28	1017	28,0	1918	1438	992	DO25 28 160 V __ __ A
30	1089	30,0	2055	1541	1063	DO25 30 160 V __ __ A
38	1377	38,0	2603	1952	1347	DO25 38 160 V __ __ A

H 1800 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	9,0	612	459	316	DO25 08 180 V __ __ A
10	369	11,2	765	573	395	DO25 10 180 V __ __ A
12	441	13,4	918	688	475	DO25 12 180 V __ __ A
14	513	15,7	1071	803	554	DO25 14 180 V __ __ A
16	549	17,9	1224	917	633	DO25 16 180 V __ __ A
17	585	19,0	1301	975	672	DO25 17 180 V __ __ A
18	657	20,1	1377	1032	712	DO25 18 180 V __ __ A
19	693	21,3	1454	1090	751	DO25 19 180 V __ __ A
20	729	22,4	1530	1147	791	DO25 20 180 V __ __ A
22	801	24,6	1683	1262	870	DO25 22 180 V __ __ A
24	873	26,9	1836	1376	949	DO25 24 180 V __ __ A
28	1017	31,3	2142	1606	1107	DO25 28 180 V __ __ A
30	1089	33,6	2295	1720	1186	DO25 30 180 V __ __ A
38	1377	42,5	2907	2179	1503	DO25 38 180 V __ __ A

H 2000 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	9,9	676	507	349	DO25 08 200 V __ __ A
9	333	11,1	760,5	570	393	DO25 09 200 V __ __ A
10	369	12,4	845	633	436	DO25 10 200 V __ __ A
12	441	14,8	1014	760	524	DO25 12 200 V __ __ A
14	513	17,3	1183	886	611	DO25 14 200 V __ __ A
16	549	19,8	1352	1013	698	DO25 16 200 V __ __ A
18	657	22,3	1521	1140	785	DO25 18 200 V __ __ A
20	729	24,7	1690	1266	873	DO25 20 200 V __ __ A
22	801	27,2	1859	1393	960	DO25 22 200 V __ __ A
24	873	29,7	2028	1520	1047	DO25 24 200 V __ __ A
26	945	32,2	2197	1646	1135	DO25 26 200 V __ __ A
28	1017	34,6	2366	1773	1222	DO25 28 200 V __ __ A
30	1089	37,1	2535	1899	1309	DO25 30 200 V __ __ A
38	1377	47,0	3211	2406	1658	DO25 38 200 V __ __ A

H 2500 mm

El. n°	Width L [mm]	Dry Weight [Kg]	Thermal output Δt 50°C [Watt]	Δt 40°C [Watt]	Δt 30°C [Watt]	Art. nr.
8	297	12,3	840	629	433	DO25 08 250 V __ __ A
9	333	13,8	945	707	487	DO25 09 250 V __ __ A
10	369	15,3	1050	786	541	DO25 10 250 V __ __ A
12	441	18,4	1260	943	649	DO25 12 250 V __ __ A
14	513	21,4	1470	1100	757	DO25 14 250 V __ __ A
16	549	24,5	1680	1257	865	DO25 16 250 V __ __ A
18	657	27,6	1890	1415	974	DO25 18 250 V __ __ A
20	729	30,6	2100	1572	1082	DO25 20 250 V __ __ A
22	801	33,7	2310	1729	1190	DO25 22 250 V __ __ A
24	873	36,8	2520	1886	1298	DO25 24 250 V __ __ A
26	945	39,8	2730	2043	1406	DO25 26 250 V __ __ A
28	1017	42,9	2940	2200	1515	DO25 28 250 V __ __ A
30	1089	46,0	3150	2358	1623	DO25 30 250 V __ __ A
38	1377	58,2	3990	2986	2056	DO25 38 250 V __ __ A

HOW TO ORDER THE DORIANA VERTICAL RADIATOR

Radiator model E.g.: Doriana VERTICAL	Nr of Elements E.g.: 15 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V01	Color code Es: R01 - White	Constant value
DO25	15	180	V01	R01	A

Example of article code creation

DO25 DORIANA VERTICAL
15 15 Elements
180 Height 1800 mm
V01 Connection V01 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
DO25 12 180 V01 R01 A

DORIANA

HORIZONTAL

WARRANTY **5 YEARS**



Color: RAL 3003 - R08 Ruby red

Width L [mm]	500	600	700	800	900	1000	1200	1400	1500
Dry Weight per element [kg]	0,352	0,411	0,470	0,529	0,588	0,647	0,765	0,883	0,942
Water content [lt]	0,241	0,282	0,323	0,364	0,405	0,446	0,528	0,610	0,651
Element surface [m²]	0,042	0,050	0,058	0,066	0,074	0,082	0,098	0,114	0,122
Pipe Centres I [mm] (H1 only)	450	550	650	750	850	950	1150	1350	1450

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

Width L [mm]	1600	1800	2000	2200	2300	2500
Dry Weight per element [kg]	1,001	1,119	1,237	1,355	1,414	1,532
Water content [lt]	0,692	0,774	0,856	0,938	0,979	1,061
Element surface [m²]	0,130	0,146	0,162	0,178	0,186	0,202
Pipe Centres I [mm] (H1 only)	1550	1750	1950	2150	2250	2450

AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

MATERIAL:
• 30x40 mm semi-oval frame collectors in painted mild steel.
• Ø 25 mm horizontal heating elements in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.
The fixing kit is compliant with VDI 6036 norm, class 4.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

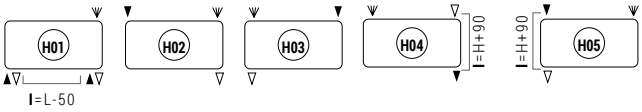
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

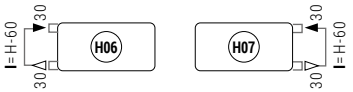
CERTIFICATES

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH

STANDARD CONNECTIONS



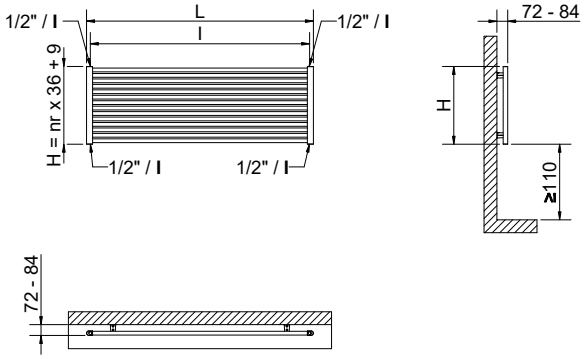
SPECIAL CONNECTIONS



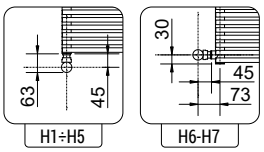
Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⩤	Airvent	▯	Connection
H	Height	▮	Welded cap



Quotes for Kristal valves



FEATURES

P. max: **8 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE DORIANA HORIZONTAL RADIATOR

Radiator model E.g.: Doriana horizontal	Nr of Elements E.g.: 18 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
DO25	18	120	H04	R01	A

Example of article code creation

DO25 DORIANA HORIZONTAL
18 18 Elements (see table below)
120 Width 1200 mm (see table below)
H04 Connection H04 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
DO25 18 120 H04 R01 A

Width L [mm]		500	600	700	800	900	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
189	**5**	103	124	144	165	185	206	247	288	309	111	1,2082
225	**6**	124	149	174	198	223	248	298	347	372	134	1,2074
261	**7**	145	173	202	231	260	289	347	405	434	156	1,2066
297	**8**	166	199	232	265	298	331	397	463	497	179	1,2058
333	**9**	186	223	260	298	335	372	446	521	558	201	1,2050
369	**10**	207	248	290	331	373	414	497	580	621	224	1,2042
405	**11**	228	273	319	364	410	455	546	637	683	246	1,2034
441	**12**	248	298	347	397	446	496	595	694	744	268	1,2026
477	**13**	269	322	376	430	483	537	644	752	806	291	1,2018
513	**14**	289	346	404	462	519	577	692	808	866	312	1,2010
549	**15**	309	371	433	494	556	618	742	865	927	335	1,2001
585	**16**	329	395	461	526	592	658	790	921	987	357	1,1993
621	**17**	349	419	489	558	628	698	838	977	1047	378	1,1985
657	**18**	369	443	517	590	664	738	886	1033	1107	400	1,1977
693	**19**	389	467	545	622	700	778	934	1089	1167	422	1,1969
729	**20**	409	491	573	654	736	818	982	1145	1227	444	1,1961
765	**21**	429	514	600	686	771	857	1028	1200	1286	465	1,1953
801	**22**	448	538	627	717	806	896	1075	1254	1344	487	1,1945
837	**23**	468	561	655	748	842	935	1122	1309	1403	508	1,1937
873	**24**	487	584	682	779	877	974	1169	1364	1461	530	1,1920
909	**25**	506	607	708	810	911	1012	1214	1417	1518	550	1,1921
945	**26**	526	631	736	841	946	1051	1261	1471	1577	572	1,2074
981	**27**	545	653	762	871	980	1089	1307	1525	1634	593	1,1905
1017	**28**	564	676	789	902	1014	1127	1352	1578	1691	614	1,1897
1053	**29**	583	699	816	932	1049	1165	1398	1631	1748	635	1,1889
1089	**30**	601	721	841	962	1082	1202	1442	1683	1803	655	1,1881
1125	**31**	620	743	867	991	1115	1239	1487	1735	1859	676	1,1873
1161	**32**	638	766	893	1021	1148	1276	1531	1786	1914	696	1,1865
1197	**33**	657	788	919	1050	1182	1313	1576	1838	1970	717	1,1857
1233	**34**	675	810	945	1080	1215	1350	1620	1890	2025	737	1,1849
1269	**35**	694	832	971	1110	1248	1387	1664	1942	2081	758	1,1841
1305	**36**	712	854	996	1138	1281	1423	1708	1992	2135	777	1,1833
1341	**37**	730	875	1021	1167	1313	1459	1751	2043	2189	797	1,1825
1377	**38**	748	897	1047	1196	1346	1495	1794	2093	2243	817	1,1817

Width L [mm]		1600	1800	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt=30°C	**n**
189	**5**	330	371	412	453	474	515	111	1,2082
225	**6**	397	446	496	546	570	620	134	1,2074
261	**7**	462	520	578	636	665	723	156	1,2066
297	**8**	530	596	662	728	761	828	179	1,2058
333	**9**	595	670	744	818	856	930	201	1,2050
369	**10**	662	745	828	911	952	1035	224	1,2042
405	**11**	728	819	910	1001	1047	1138	246	1,2034
441	**12**	794	893	992	1091	1141	1240	268	1,2026
477	**13**	859	967	1074	1181	1235	1343	291	1,2018
513	**14**	923	1039	1154	1269	1327	1443	312	1,2010
549	**15**	989	1112	1236	1360	1421	1545	335	1,2001
585	**16**	1053	1184	1316	1448	1513	1645	357	1,1993
621	**17**	1117	1256	1396	1536	1605	1745	378	1,1985
657	**18**	1181	1328	1476	1624	1697	1845	400	1,1977
693	**19**	1245	1400	1556	1712	1789	1945	422	1,1969
729	**20**	1309	1472	1636	1800	1881	2045	444	1,1961
765	**21**	1371	1543	1714	1885	1971	2143	465	1,1953
801	**22**	1434	1613	1792	1971	2061	2240	487	1,1945
837	**23**	1496	1683	1870	2057	2151	2338	508	1,1937
873	**24**	1558	1753	1948	2143	2240	2435	530	1,1920
909	**25**	1619	1822	2024	2226	2328	2530	550	1,1921
945	**26**	1682	1892	2102	2312	2417	2628	572	1,2074
981	**27**	1742	1960	2178	2396	2505	2723	593	1,1905
1017	**28**	1803	2029	2254	2479	2592	2818	614	1,1897
1053	**29**	1864	2097	2330	2563	2680	2913	635	1,1889
1089	**30**	1923	2164	2404	2644	2765	3005	655	1,1881
1125	**31**	1982	2230	2478	2726	2850	3098	676	1,1873
1161	**32**	2042	2297	2552	2807	2935	3190	696	1,1865
1197	**33**	2101	2363	2626	2889	3020	3283	717	1,1857
1233	**34**	2160	2430	2700	2970	3105	3375	737	1,1849
1269	**35**	2219	2497	2774	3051	3190	3468	758	1,1841
1305	**36**	2277	2561	2846	3131	3273	3558	777	1,1833
1341	**37**	2334	2626	2918	3210	3356	3648	797	1,1825
1377	**38**	2392	2691	2990	3289	3439	3738	817	1,1817

All intermediate sizes for heights from 5 to 38 Elements and widths from 500 to 2500 mm.

DORIANA

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
			H 585 mm				
	500	1,1993	5,6	329	252	178	DO25 16 050 H __ __ A
	600	1,1993	6,6	395	302	214	DO25 16 060 H __ __ A
	700	1,1993	7,5	461	353	250	DO25 16 070 H __ __ A
	800	1,1993	8,5	526	402	285	DO25 16 080 H __ __ A
	900	1,1993	9,4	592	453	321	DO25 16 090 H __ __ A
	1000	1,1993	10,4	658	504	357	DO25 16 100 H __ __ A
	1200	1,1993	12,2	790	605	428	DO25 16 120 H __ __ A
16	1400	1,1993	14,1	921	705	499	DO25 16 140 H __ __ A
	1500	1,1993	15,1	987	755	535	DO25 16 150 H __ __ A
	1600	1,1993	16,0	1053	806	571	DO25 16 160 H __ __ A
	1800	1,1993	17,9	1184	906	642	DO25 16 180 H __ __ A
	2000	1,1993	19,8	1316	1007	713	DO25 16 200 H __ __ A
	2200	1,1993	21,7	1448	1108	785	DO25 16 220 H __ __ A
	2300	1,1993	22,6	1513	1158	820	DO25 16 230 H __ __ A
	2500	1,1993	24,5	1645	1259	891	DO25 16 250 H __ __ A
			H 729 mm				
	500	1,1961	7,0	409	313	222	DO25 20 050 H __ __ A
	600	1,1961	8,2	491	376	267	DO25 20 060 H __ __ A
	700	1,1961	9,4	573	439	311	DO25 20 070 H __ __ A
	800	1,1961	10,6	654	501	355	DO25 20 080 H __ __ A
	900	1,1961	11,8	736	564	400	DO25 20 090 H __ __ A
	1000	1,1961	12,9	818	626	444	DO25 20 100 H __ __ A
	1200	1,1961	15,3	982	752	533	DO25 20 120 H __ __ A
20	1400	1,1961	17,7	1146	878	622	DO25 20 140 H __ __ A
	1500	1,1961	18,8	1227	940	666	DO25 20 150 H __ __ A
	1600	1,1961	20,0	1309	1002	711	DO25 20 160 H __ __ A
	1800	1,1961	22,4	1472	1127	799	DO25 20 180 H __ __ A
	2000	1,1961	24,7	1636	1253	888	DO25 20 200 H __ __ A
	2200	1,1961	27,1	1800	1378	977	DO25 20 220 H __ __ A
	2300	1,1961	28,3	1881	1440	1021	DO25 20 230 H __ __ A
	2500	1,1961	30,6	2045	1566	1110	DO25 20 250 H __ __ A
			H 801 mm				
	500	1,1945	7,7	448	343	243	DO25 22 050 H __ __ A
	600	1,1945	9,0	538	412	292	DO25 22 060 H __ __ A
	700	1,1945	10,3	627	480	341	DO25 22 070 H __ __ A
	800	1,1945	11,6	717	549	390	DO25 22 080 H __ __ A
	900	1,1945	12,9	806	617	438	DO25 22 090 H __ __ A
	1000	1,1945	14,2	896	686	487	DO25 22 100 H __ __ A
	1200	1,1945	16,8	1075	823	584	DO25 22 120 H __ __ A
22	1400	1,1945	19,4	1254	961	681	DO25 22 140 H __ __ A
	1500	1,1945	20,7	1344	1030	730	DO25 22 150 H __ __ A
	1600	1,1945	22,0	1434	1098	779	DO25 22 160 H __ __ A
	1800	1,1945	24,6	1613	1236	876	DO25 22 180 H __ __ A
	2000	1,1945	27,2	1792	1373	974	DO25 22 200 H __ __ A
	2200	1,1945	29,8	1971	1510	1071	DO25 22 220 H __ __ A
	2300	1,1945	31,1	2061	1579	1120	DO25 22 230 H __ __ A
	2500	1,1945	33,7	2240	1716	1217	DO25 22 250 H __ __ A

DORIANA

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 873 mm							
	500	1,192	8,4	487	373	265	DO25 24 050 H __ __ A
	600	1,192	9,9	584	448	318	DO25 24 060 H __ __ A
	700	1,192	11,3	682	523	371	DO25 24 070 H __ __ A
	800	1,192	12,7	779	597	424	DO25 24 080 H __ __ A
	900	1,192	14,1	877	672	477	DO25 24 090 H __ __ A
	1000	1,192	15,5	974	747	530	DO25 24 100 H __ __ A
	1200	1,192	18,4	1169	896	636	DO25 24 120 H __ __ A
24	1400	1,192	21,2	1364	1045	742	DO25 24 140 H __ __ A
	1500	1,192	22,6	1461	1120	795	DO25 24 150 H __ __ A
	1600	1,192	24,0	1558	1194	847	DO25 24 160 H __ __ A
	1800	1,192	26,9	1753	1344	954	DO25 24 180 H __ __ A
	2000	1,192	29,7	1948	1493	1060	DO25 24 200 H __ __ A
	2200	1,192	32,5	2143	1643	1166	DO25 24 220 H __ __ A
	2300	1,192	33,9	2240	1717	1218	DO25 24 230 H __ __ A
	2500	1,192	36,8	2435	1866	1325	DO25 24 250 H __ __ A
H 945 mm							
	500	1,2074	9,2	526	402	284	DO25 26 050 H __ __ A
	600	1,2074	10,7	631	482	341	DO25 26 060 H __ __ A
	700	1,2074	12,2	736	562	397	DO25 26 070 H __ __ A
	800	1,2074	13,8	841	642	454	DO25 26 080 H __ __ A
	900	1,2074	15,3	946	723	511	DO25 26 090 H __ __ A
	1000	1,2074	16,8	1051	803	567	DO25 26 100 H __ __ A
	1200	1,2074	19,9	1261	963	681	DO25 26 120 H __ __ A
26	1400	1,2074	23,0	1471	1124	794	DO25 26 140 H __ __ A
	1500	1,2074	24,5	1577	1205	851	DO25 26 150 H __ __ A
	1600	1,2074	26,0	1682	1285	908	DO25 26 160 H __ __ A
	1800	1,2074	29,1	1892	1445	1021	DO25 26 180 H __ __ A
	2000	1,2074	32,2	2102	1606	1134	DO25 26 200 H __ __ A
	2200	1,2074	35,2	2312	1766	1248	DO25 26 220 H __ __ A
	2300	1,2074	36,8	2417	1846	1304	DO25 26 230 H __ __ A
	2500	1,2074	39,8	2628	2007	1418	DO25 26 250 H __ __ A
H 1017 mm							
	500	1,1897	9,9	564	432	307	DO25 28 050 H __ __ A
	600	1,1897	11,5	676	518	368	DO25 28 060 H __ __ A
	700	1,1897	13,2	789	605	430	DO25 28 070 H __ __ A
	800	1,1897	14,8	902	692	491	DO25 28 080 H __ __ A
	900	1,1897	16,5	1014	778	552	DO25 28 090 H __ __ A
	1000	1,1897	18,1	1127	864	614	DO25 28 100 H __ __ A
	1200	1,1897	21,4	1352	1037	736	DO25 28 120 H __ __ A
28	1400	1,1897	24,7	1578	1210	859	DO25 28 140 H __ __ A
	1500	1,1897	26,4	1691	1297	921	DO25 28 150 H __ __ A
	1600	1,1897	28,0	1803	1383	982	DO25 28 160 H __ __ A
	1800	1,1897	31,3	2029	1556	1105	DO25 28 180 H __ __ A
	2000	1,1897	34,6	2254	1728	1227	DO25 28 200 H __ __ A
	2200	1,1897	37,9	2479	1901	1350	DO25 28 220 H __ __ A
	2300	1,1897	39,6	2592	1988	1412	DO25 28 230 H __ __ A
	2500	1,1897	42,9	2818	2161	1535	DO25 28 250 H __ __ A

HOW TO ORDER THE DORIANA HORIZONTAL RADIATOR

Radiator model E.g.: Doriana horizontal	Nr of Elements E.g.: 18 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
DO25	18	120	H04	R01	A

Example of article code creation

DO25 DORIANA HORIZONTAL
18 18 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
DO25 18 120 H04 R01 A

TAMARA

VERTICAL

WARRANTY **5 YEARS**


Color: RAL 1021 - R05 Yellow rape

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• 50x25 mm vertical heating elements, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

Height H [mm]	600	800	1000	1200	1400	1600	1800	1900	2000
Therm. output per el. Δt = 50 °C [Watt]	45,1	58,4	71,5	84,6	97,7	110,9	124,2	130,9	137,6
Therm. output per el. Δt = 30 °C [Watt]	24,0	30,8	37,4	44,2	51,0	57,9	64,8	68,3	71,7
Dry Weight per element [kg]	0,827	1,049	1,271	1,492	1,714	1,935	2,157	2,270	2,379
Water content [lt]	0,608	0,805	1,001	1,198	1,394	1,590	1,787	1,885	1,983
Element surface [m²]	0,083	0,107	0,130	0,154	0,177	0,201	0,224	0,236	0,248
Exponent **n**	1,2372	1,2536	1,2701	1,2711	1,272	1,273	1,2739	1,2734	1,2748
Pipe Centres I [mm] (V3-V4 only)	**566**	**766**	**966**	**1166**	**1366**	**1566**	**1766**	**1866**	**1966**

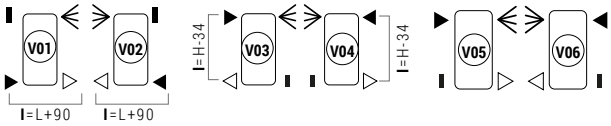
For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

CERTIFICATES

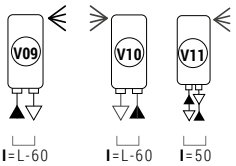
CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



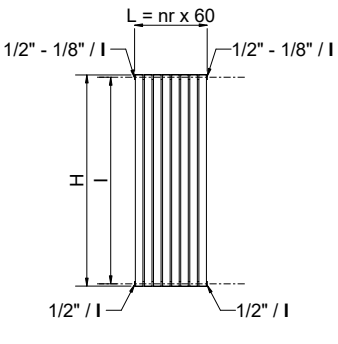
SPECIAL CONNECTIONS

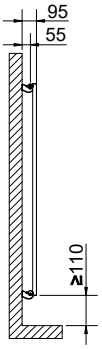


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

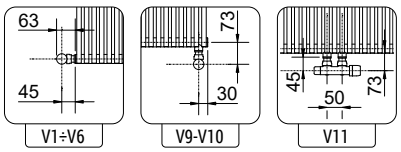
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋐	Airvent	▯	Connection
H	Height	▮	Welded cap





Quotes for Kristal valves



AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE TAMARA VERTICAL RADIATOR

Radiator model E.g.: Tamara VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V02	Color code Es: R01 -White	Constant value
TA50	24	180	V02	R01	A

Example of article code creation

TA50 TAMARA VERTICAL
24 24 Elements (see table below)
180 Height 1800 mm (see table below)
V02 Connection V02 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TA50 24 180 V02 R01 A

Height H [mm]		600	800	1000	1200	1400	1600	1800	1900	2000
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
300	5	226	292	358	423	489	555	621	655	688
360	6	271	350	429	508	586	665	745	785	826
420	7	316	409	501	592	684	776	869	916	963
480	8	361	467	572	677	782	887	994	1047	1101
540	9	406	526	644	761	879	998	1118	1178	1238
600	10	451	584	715	846	977	1109	1242	1309	1376
660	11	496	642	787	931	1075	1220	1366	1440	1514
720	12	541	701	858	1015	1172	1331	1490	1571	1651
780	13	586	759	930	1100	1270	1442	1615	1702	1789
840	14	631	818	1001	1184	1368	1553	1739	1833	1926
900	15	677	876	1073	1269	1466	1664	1863	1964	2064
960	16	722	934	1144	1354	1563	1774	1987	2094	2202
1020	17	767	993	1216	1438	1661	1885	2111	2225	2339
1080	18	812	1051	1287	1523	1759	1996	2236	2356	2477
1140	19	857	1110	1359	1607	1856	2107	2360	2487	2614
1200	20	902	1168	1430	1692	1954	2218	2484	2618	2752
1260	21	947	1226	1502	1777	2052	2329	2608	2749	2890
1320	22	992	1285	1573	1861	2149	2440	2732	2880	3027
1380	23	1037	1343	1645	1946	2247	2551	2857	3011	3165
1440	24	1082	1402	1716	2030	2345	2662	2981	3142	3302
1500	25	1128	1460	1788	2115	2443	2773	3105	3273	3440
1560	26	1173	1518	1859	2200	2540	2883	3229	3403	3578
1620	27	1218	1577	1931	2284	2638	2994	3353	3534	3715
1680	28	1263	1635	2002	2369	2736	3105	3478	3665	3853
1740	29	1308	1694	2074	2453	2833	3216	3602	3796	3990
1800	30	1353	1752	2145	2538	2931	3327	3726	3927	4128

TAMARA

VERTICAL

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]		[Watt]		
H 600 mm						
5	300	4,1	226	171	120	TA50 05 060 V __ __ A
6	360	5,0	271	205	144	TA50 06 060 V __ __ A
8	480	6,6	361	274	192	TA50 08 060 V __ __ A
10	600	8,3	451	342	240	TA50 10 060 V __ __ A
12	720	9,9	541	411	288	TA50 12 060 V __ __ A
14	840	11,6	631	479	336	TA50 14 060 V __ __ A
16	960	13,2	722	548	384	TA50 16 060 V __ __ A
18	1080	14,9	812	616	431	TA50 18 060 V __ __ A
20	1200	16,5	902	684	479	TA50 20 060 V __ __ A
22	1320	18,2	992	753	527	TA50 22 060 V __ __ A
24	1440	19,8	1082	821	575	TA50 24 060 V __ __ A
26	1560	21,5	1173	890	623	TA50 26 060 V __ __ A
28	1680	23,2	1263	958	671	TA50 28 060 V __ __ A
30	1800	24,8	1353	1027	719	TA50 30 060 V __ __ A
H 800 mm						
5	300	5,2	292	221	154	TA50 05 080 V__ __ A
6	360	6,3	350	265	185	TA50 06 080 V__ __ A
8	480	8,4	467	353	246	TA50 08 080 V__ __ A
10	600	10,5	584	441	308	TA50 10 080 V__ __ A
12	720	12,6	701	530	369	TA50 12 080 V__ __ A
14	840	14,7	818	618	431	TA50 14 080 V__ __ A
16	960	16,8	934	706	493	TA50 16 080 V__ __ A
18	1080	18,9	1051	795	554	TA50 18 080 V__ __ A
20	1200	21,0	1168	883	616	TA50 20 080 V__ __ A
22	1320	23,1	1285	971	677	TA50 22 080 V__ __ A
24	1440	25,2	1402	1060	739	TA50 24 080 V__ __ A
26	1560	27,3	1518	1148	800	TA50 26 080 V__ __ A
28	1680	29,4	1635	1236	862	TA50 28 080 V__ __ A
30	1800	31,5	1752	1324	923	TA50 30 080 V__ __ A
H 1000 mm						
5	300	6,4	358	269	187	TA50 05 100 V__ __ A
6	360	7,6	429	323	224	TA50 06 100 V__ __ A
8	480	10,2	572	431	299	TA50 08 100 V__ __ A
10	600	12,7	715	539	374	TA50 10 100 V__ __ A
12	720	15,3	858	646	448	TA50 12 100 V__ __ A
14	840	17,8	1001	754	523	TA50 14 100 V__ __ A
16	960	20,3	1144	862	598	TA50 16 100 V__ __ A
18	1080	22,9	1287	969	673	TA50 18 100 V__ __ A
20	1200	25,4	1430	1077	747	TA50 20 100 V__ __ A
22	1320	28,0	1573	1185	822	TA50 22 100 V__ __ A
24	1440	30,5	1716	1293	897	TA50 24 100 V__ __ A
26	1560	33,0	1859	1400	972	TA50 26 100 V__ __ A
28	1680	35,6	2002	1508	1046	TA50 28 100 V__ __ A
30	1800	38,1	2145	1616	1121	TA50 30 100 V__ __ A
H 1200 mm						
5	300	7,5	423	319	221	TA50 05 120 V__ __ A
6	360	9,0	508	382	265	TA50 06 120 V__ __ A
8	480	11,9	677	510	354	TA50 08 120 V__ __ A
10	600	14,9	846	637	442	TA50 10 120 V__ __ A
12	720	17,9	1015	764	530	TA50 12 120 V__ __ A
14	840	20,9	1184	892	619	TA50 14 120 V__ __ A
16	960	23,9	1354	1019	707	TA50 16 120 V__ __ A
18	1080	26,9	1523	1147	796	TA50 18 120 V__ __ A
20	1200	29,8	1692	1274	884	TA50 20 120 V__ __ A
22	1320	32,8	1861	1402	972	TA50 22 120 V__ __ A
24	1440	35,8	2030	1529	1061	TA50 24 120 V__ __ A
26	1560	38,8	2200	1656	1149	TA50 26 120 V__ __ A
28	1680	41,8	2369	1784	1237	TA50 28 120 V__ __ A
30	1800	44,8	2538	1911	1326	TA50 30 120 V__ __ A

TAMARA

VERTICAL

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]		[Watt]		
H 1400 mm						
5	300	8,6	489	368	255	TA50 05 140 V__ __ A
6	360	10,3	586	441	306	TA50 06 140 V__ __ A
8	480	13,7	782	588	408	TA50 08 140 V__ __ A
10	600	17,1	977	736	510	TA50 10 140 V__ __ A
12	720	20,6	1172	883	612	TA50 12 140 V__ __ A
14	840	24,0	1368	1030	714	TA50 14 140 V__ __ A
16	960	27,4	1563	1177	816	TA50 16 140 V__ __ A
18	1080	30,9	1759	1324	918	TA50 18 140 V__ __ A
20	1200	34,3	1954	1471	1020	TA50 20 140 V__ __ A
22	1320	37,7	2149	1618	1122	TA50 22 140 V__ __ A
24	1440	41,1	2345	1765	1224	TA50 24 140 V__ __ A
26	1560	44,6	2540	1912	1326	TA50 26 140 V__ __ A
28	1680	48,0	2736	2060	1428	TA50 28 140 V__ __ A
30	1800	51,4	2931	2207	1530	TA50 30 140 V__ __ A
H 1600 mm						
5	300	9,7	555	417	289	TA50 05 160 V__ __ A
6	360	11,6	665	501	347	TA50 06 160 V__ __ A
8	480	15,5	887	668	463	TA50 08 160 V__ __ A
10	600	19,4	1109	835	579	TA50 10 160 V__ __ A
12	720	23,2	1331	1002	695	TA50 12 160 V__ __ A
14	840	27,1	1553	1169	810	TA50 14 160 V__ __ A
16	960	31,0	1774	1336	926	TA50 16 160 V__ __ A
18	1080	34,8	1996	1503	1042	TA50 18 160 V__ __ A
20	1200	38,7	2218	1670	1158	TA50 20 160 V__ __ A
22	1320	42,6	2440	1836	1273	TA50 22 160 V__ __ A
24	1440	46,4	2662	2003	1389	TA50 24 160 V__ __ A
26	1560	50,3	2883	2170	1505	TA50 26 160 V__ __ A
28	1680	54,2	3105	2337	1621	TA50 28 160 V__ __ A
30	1800	58,1	3327	2504	1736	TA50 30 160 V__ __ A
H 1800 mm						
5	300	10,8	621	467	324	TA50 05 180 V__ __ A
6	360	12,9	745	561	389	TA50 06 180 V__ __ A
8	480	17,3	994	748	518	TA50 08 180 V__ __ A
10	600	21,6	1242	935	648	TA50 10 180 V__ __ A
12	720	25,9	1490	1122	777	TA50 12 180 V__ __ A
14	840	30,2	1739	1309	907	TA50 14 180 V__ __ A
16	960	34,5	1987	1496	1037	TA50 16 180 V__ __ A
18	1080	38,8	2236	1682	1166	TA50 18 180 V__ __ A
20	1200	43,1	2484	1869	1296	TA50 20 180 V__ __ A
22	1320	47,5	2732	2056	1425	TA50 22 180 V__ __ A
24	1440	51,8	2981	2243	1555	TA50 24 180 V__ __ A
26	1560	56,1	3229	2430	1685	TA50 26 180 V__ __ A
28	1680	60,4	3478	2617	1814	TA50 28 180 V__ __ A
30	1800	64,7	3726	2804	1944	TA50 30 180 V__ __ A
H 2000 mm						
5	300	11,9	688	518	359	TA50 05 200 V__ __ A
6	360	14,3	826	621	430	TA50 06 200 V__ __ A
8	480	19,0	1101	828	574	TA50 08 200 V__ __ A
10	600	23,8	1376	1035	717	TA50 10 200 V__ __ A
12	720	28,5	1651	1242	861	TA50 12 200 V__ __ A
14	840	33,3	1926	1449	1004	TA50 14 200 V__ __ A
16	960	38,1	2202	1657	1148	TA50 16 200 V__ __ A
18	1080	42,8	2477	1864	1291	TA50 18 200 V__ __ A
20	1200	47,6	2752	2071	1435	TA50 20 200 V__ __ A
22	1320	52,3	3027	2278	1578	TA50 22 200 V__ __ A
24	1440	57,1	3302	2485	1722	TA50 24 200 V__ __ A
26	1560	61,9	3578	2692	1865	TA50 26 200 V__ __ A
28	1680	66,6	3853	2899	2009	TA50 28 200 V__ __ A
30	1800	71,4	4128	3106	2152	TA50 30 200 V__ __ A

HOW TO ORDER THE TAMARA VERTICAL RADIATOR

Radiator model E.g.: Tamara VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V02	Color code Es: R01 - White	Constant value
TA50	24	180	V02	R01	A

Example of article code creation

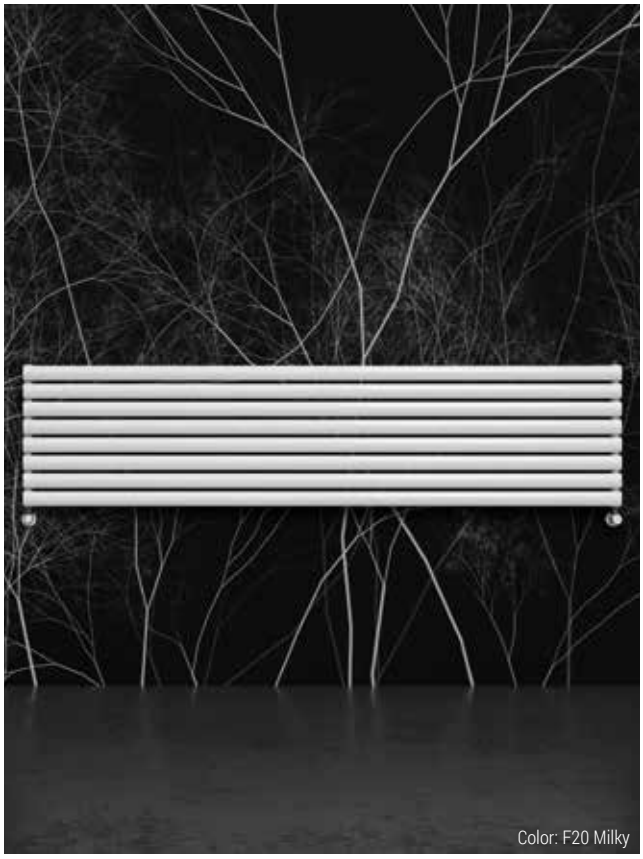
TA50 TAMARA VERTICAL
24 24 Elements
180 Height 1800 mm
V02 Connection V02 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TA50 24 180 V02 R01 A

TAMARA

HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	600	800	1000	1200	1400	1600	1800	1900	2000
Therm. output per el. Δt = 50 °C [Watt]	39,6	54	67,3	79,3	90,1	99,4	107,4	110,9	114
Therm. output per el. Δt = 30 °C [Watt]	21,9	29,6	36,8	43,5	49,6	54,9	61,5	63,8	66,0
Dry Weight per element [kg]	0,827	1,049	1,271	1,492	1,714	1,935	2,157	2,270	2,379
Water content [lt]	0,608	0,805	1,001	1,198	1,394	1,590	1,787	1,885	1,983
Element surface [m²]	0,083	0,107	0,130	0,154	0,177	0,201	0,224	0,236	0,248
Exponent **n**	1,1637	1,1721	1,1805	1,1749	1,1692	1,1636	1,0913	1,0812	1,0701
Pipe Centres I [mm] (H1 only)	**566**	**766**	**966**	**1166**	**1366**	**1566**	**1766**	**1866**	**1966**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x25 mm horizontal heating elements, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

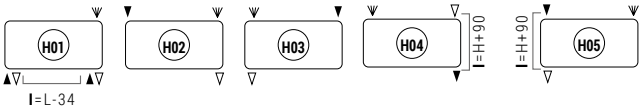
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

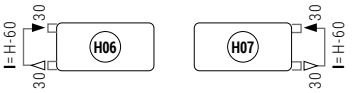
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



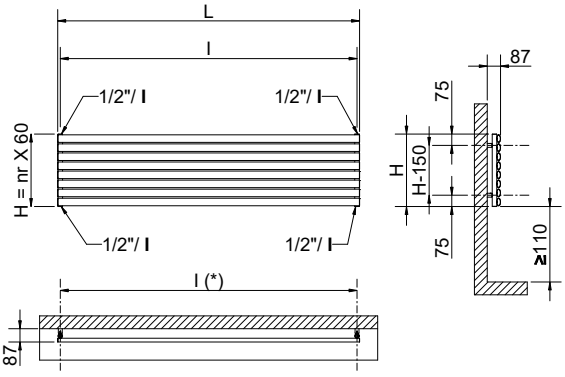
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

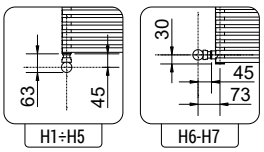
LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



(*) Pipe center (I) measure of the fixing kit

Quotes for Kristal valves



AVAILABLE ACCESSORIES



Kristal valve Total Color, angled with thermostatic option, colored

Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE TAMARA HORIZONTAL RADIATOR

Radiator model E.g.: Tamara horizontal	Nr of Elements E.g.: 18 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H02	Color code Es: R01 - White	Constant value
TA50	18	120	H02	R01	A

Example of article code creation

TA50 TAMARA HORIZONTAL
18 18 Elements (see table below)
120 Width 1200 mm (see table below)
H02 Connection H02 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TA50 18 120 H02 R01 A

Width L [mm]		600	800	1000	1200	1400	1600	1800	1900	2000
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
300	5	198	270	337	397	451	497	537	555	570
360	6	238	324	404	476	541	596	644	665	684
420	7	277	378	471	555	631	696	752	776	798
480	8	317	432	538	634	721	795	859	887	912
540	9	356	486	606	714	811	895	967	998	1026
600	10	396	540	673	793	901	994	1074	1109	1140
660	11	436	594	740	872	991	1093	1181	1220	1254
720	12	475	648	808	952	1081	1193	1289	1331	1368
780	13	515	702	875	1031	1171	1292	1396	1442	1482
840	14	554	756	942	1110	1261	1392	1504	1553	1596
900	15	594	810	1010	1190	1352	1491	1611	1664	1710
960	16	634	864	1077	1269	1442	1590	1718	1774	1824
1020	17	673	918	1144	1348	1532	1690	1826	1885	1938
1080	18	713	972	1211	1427	1622	1789	1933	1996	2052
1140	19	752	1026	1279	1507	1712	1889	2041	2107	2166
1200	20	792	1080	1346	1586	1802	1988	2148	2218	2280
1260	21	832	1134	1413	1665	1892	2087	2255	2329	2394
1320	22	871	1188	1481	1745	1982	2187	2363	2440	2508
1380	23	911	1242	1548	1824	2072	2286	2470	2551	2622
1440	24	950	1296	1615	1903	2162	2386	2578	2662	2736
1500	25	990	1350	1683	1983	2253	2485	2685	2773	2850
1560	26	1030	1404	1750	2062	2343	2584	2792	2883	2964
1620	27	1069	1458	1817	2141	2433	2684	2900	2994	3078
1680	28	1109	1512	1884	2220	2523	2783	3007	3105	3192
1740	29	1148	1566	1952	2300	2613	2883	3115	3216	3306
1800	30	1188	1620	2019	2379	2703	2982	3222	3327	3420

TAMARA

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
H 360 mm							
6	600	1,1637	5,0	238	184	131	TA50 06 060 H__ __ A
	800	1,1721	6,3	324	249	178	TA50 06 080 H__ __ A
	1000	1,1805	7,6	404	310	221	TA50 06 100 H__ __ A
	1200	1,1749	9,0	476	366	261	TA50 06 120 H__ __ A
	1400	1,1692	10,3	451	347	248	TA50 06 140 H__ __ A
	1600	1,1636	11,6	596	460	329	TA50 06 160 H__ __ A
	1800	1,0913	12,9	644	505	369	TA50 06 180 H__ __ A
	2000	1,0701	14,3	684	539	396	TA50 06 200 H__ __ A
H 480 mm							
8	600	1,1637	6,6	317	245	175	TA50 08 060 H__ __ A
	800	1,1721	8,4	432	333	237	TA50 08 080 H__ __ A
	1000	1,1805	10,2	538	413	294	TA50 08 100 H__ __ A
	1200	1,1749	11,9	634	488	348	TA50 08 120 H__ __ A
	1400	1,1692	13,7	721	555	397	TA50 08 140 H__ __ A
	1600	1,1636	15,5	795	613	439	TA50 08 160 H__ __ A
	1800	1,0913	17,3	859	673	492	TA50 08 180 H__ __ A
	2000	1,0701	19,0	912	718	528	TA50 08 200 H__ __ A
H 600 mm							
10	600	1,1637	0,8	396	305	219	TA50 10 060 H__ __ A
	800	1,1721	1,0	540	416	297	TA50 10 080 H__ __ A
	1000	1,1805	1,3	673	517	368	TA50 10 100 H__ __ A
	1200	1,1749	1,5	793	610	435	TA50 10 120 H__ __ A
	1400	1,1692	1,7	901	694	496	TA50 10 140 H__ __ A
	1600	1,1636	1,9	994	767	549	TA50 10 160 H__ __ A
	1800	1,0913	2,2	1074	842	615	TA50 10 180 H__ __ A
	2000	1,0701	2,4	1140	898	660	TA50 10 200 H__ __ A

TAMARA

HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Thermal output Δt 40°C	Thermal output Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 720 mm							
12	600	1,1637	9,9	475	366	262	TA50 12 060 H__ __ A
	800	1,1721	12,6	648	499	356	TA50 12 080 H__ __ A
	1000	1,1805	15,3	808	621	442	TA50 12 100 H__ __ A
	1200	1,1749	17,9	952	732	522	TA50 12 120 H__ __ A
	1400	1,1692	20,6	1081	833	595	TA50 12 140 H__ __ A
	1600	1,1636	23,2	1193	920	658	TA50 12 160 H__ __ A
	1800	1,0913	25,9	1289	1010	738	TA50 12 180 H__ __ A
	2000	1,0701	28,5	1368	1077	792	TA50 12 200 H__ __ A
H 840 mm							
14	600	1,1637	11,6	554	427	306	TA50 14 060 H__ __ A
	800	1,1721	14,7	756	582	415	TA50 14 080 H__ __ A
	1000	1,1805	17,8	942	724	515	TA50 14 100 H__ __ A
	1200	1,1749	20,9	1110	854	609	TA50 14 120 H__ __ A
	1400	1,1692	24,0	1261	971	694	TA50 14 140 H__ __ A
	1600	1,1636	27,1	1392	1074	768	TA50 14 160 H__ __ A
	1800	1,0913	30,2	1504	1179	861	TA50 14 180 H__ __ A
	2000	1,0701	33,3	1596	1257	924	TA50 14 200 H__ __ A
H 960 mm							
16	600	1,1637	13,2	634	489	350	TA50 16 060 H__ __ A
	800	1,1721	16,8	864	665	475	TA50 16 080 H__ __ A
	1000	1,1805	20,3	1077	828	589	TA50 16 100 H__ __ A
	1200	1,1749	23,9	1269	976	696	TA50 16 120 H__ __ A
	1400	1,1692	27,4	1442	1111	794	TA50 16 140 H__ __ A
	1600	1,1636	31,0	1590	1226	878	TA50 16 160 H__ __ A
	1800	1,0913	34,5	1718	1347	984	TA50 16 180 H__ __ A
	2000	1,0701	38,1	1824	1437	1056	TA50 16 200 H__ __ A

HOW TO ORDER THE TAMARA HORIZONTAL RADIATOR

Radiator model E.g.: Tamara horizontal	Nr of Elements E.g.: 18 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H02	Color code Es: R01 - White	Constant value
TA50	18	120	H02	R01	A

Example of article code creation

TA50 TAMARA Horizontal
18 18 Elements
120 Width 1200 mm
H02 Connection H02 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TA50 18 120 H02 R01 A

TAMARA

TANDEM VERTICAL

WARRANTY **5 YEARS**



Height H [mm]	600	634	800	1000	1200	1400	1600	1800	1900	2000
Therm. output per el. Δt = 50 °C [Watt]	69,7	73,2	90,1	110,1	129,8	149,3	168,7	188	197,7	207,3
Therm. output per el. Δt = 30 °C [Watt]	36,2	37,8	46,7	56,9	66,9	76,7	86,4	96,6	101,6	106,7
Dry Weight per element [kg]	1,528	1,614	1,972	2,415	2,858	3,302	3,745	4,188	4,202	4,419
Water content [lt]	1,195	1,255	1,587	1,980	2,373	2,765	3,158	3,551	3,747	3,943
Element surface [m²]	0,156	0,158	0,203	0,250	0,297	0,344	0,391	0,438	0,475	0,485
Exponent **n**	1,2831	1,2843	1,2883	1,2935	1,2987	1,3038	1,3089	1,3042	1,3034	1,2994
Pipe Centres I [mm] (V3-V4 only)	**566**	**600**	**766**	**966**	**1166**	**1366**	**1566**	**1766**	**1866**	**1966**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

MATERIAL:
• Ø 30 mm horizontal collectors in painted mild steel.
• 50x25 mm double vertical heating, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

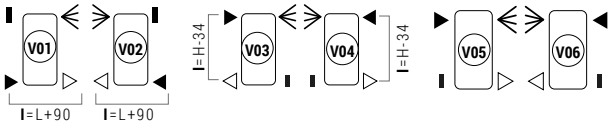
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

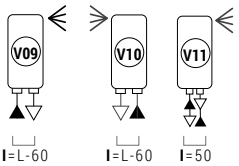
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



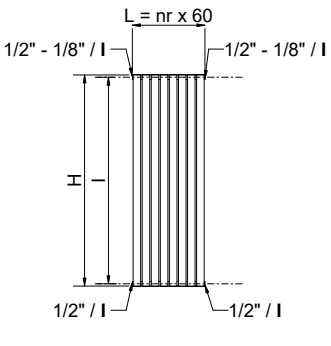
SPECIAL CONNECTIONS

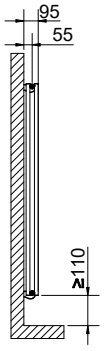


Always specify the kind of connection needed when ordering. Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap



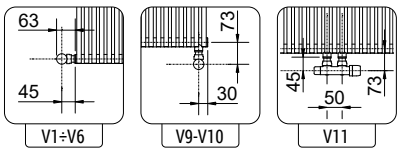


AVAILABLE ACCESSORIES



Total Color, Kristal valve, angled pipe centres 50 mm Right or Left with thermostatic option, colored

Quotes for Kristal valves



Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/8" G**

HOW TO ORDER THE TAMARA TANDEM VERTICAL RADIATOR

Radiator model E.g.: Tamara tandem VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V02	Color code Es: R01 -White	Constant value
TT50	12	180	V02	R01	A

Example of article code creation

TT50 TAMARA TANDEM VERTICAL
12 12 Elements (see table below)
180 Height 1800 mm (see table below)
V02 Connection V02 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TT50 12 180 V02 R01 A

Height H [mm]		600	634	800	1000	1200	1400	1600	1800	1900	2000
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
300	5	349	366	451	551	649	747	844	940	989	1037
360	6	418	439	541	661	779	896	1012	1128	1186	1244
420	7	488	512	631	771	909	1045	1181	1316	1384	1451
480	8	558	586	721	881	1038	1194	1350	1504	1582	1658
540	9	627	659	811	991	1168	1344	1518	1692	1779	1866
600	10	697	732	901	1101	1298	1493	1687	1880	1977	2073
660	11	767	805	991	1211	1428	1642	1856	2068	2175	2280
720	12	836	878	1081	1321	1558	1792	2024	2256	2372	2488
780	13	906	952	1171	1431	1687	1941	2193	2444	2570	2695
840	14	976	1025	1261	1541	1817	2090	2362	2632	2768	2902
900	15	1046	1098	1352	1652	1947	2240	2531	2820	2966	3110
960	16	1115	1171	1442	1762	2077	2389	2699	3008	3163	3317
1020	17	1185	1244	1532	1872	2207	2538	2868	3196	3361	3524
1080	18	1255	1318	1622	1982	2336	2687	3037	3384	3559	3731
1140	19	1324	1391	1712	2092	2466	2837	3205	3572		
1200	20	1394	1464	1802	2202	2596	2986	3374			
1260	21	1464	1537	1892	2312	2726	3135	3543			
1320	22	1533	1610	1982	2422	2856	3285	3711			
1380	23	1603	1684	2072	2532	2985	3434				
1440	24	1673	1757	2162	2642	3115	3583				
1500	25	1743	1830	2253	2753	3245	3733				
1560	26	1812	1903	2343	2863	3375					
1620	27	1882	1976	2433	2973	3505					
1680	28	1952	2050	2523	3083	3634					
1740	29	2021	2123	2613	3193	3764					
1800	30	2091	2196	2703	3303						

TAMARA

TANDEM VERTICAL

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]		[Watt]		
H 600 mm						
5	300	7,6	349	262	180,9	TT50 05 060 V __ __ A
6	360	9,2	418	314	217,1	TT50 06 060 V __ __ A
7	420	10,7	488	366	253,3	TT50 07 060 V __ __ A
8	480	12,2	558	419	289,5	TT50 08 060 V __ __ A
10	600	15,3	697	523	361,9	TT50 10 060 V __ __ A
12	720	18,3	836	628	434,3	TT50 12 060 V __ __ A
14	840	21,4	976	733	506,6	TT50 14 060 V __ __ A
16	960	24,4	1115	838	579,0	TT50 16 060 V __ __ A
18	1080	27,5	1255	942	651,4	TT50 18 060 V __ __ A
20	1200	30,6	1394	1047	723,8	TT50 20 060 V __ __ A
22	1320	33,6	1533	1152	796,2	TT50 22 060 V __ __ A
24	1440	36,7	1673	1256	868,5	TT50 24 060 V __ __ A
26	1560	39,7	1812	1361	940,9	TT50 26 060 V __ __ A
28	1680	42,8	1952	1466	1013	TT50 28 060 V __ __ A
H 800 mm						
5	300	9,9	451	338	233	TT50 05 080 V__ __ A
6	360	11,8	541	406	280	TT50 06 080 V__ __ A
7	420	13,8	631	473	327	TT50 07 080 V__ __ A
8	480	15,8	721	541	373	TT50 08 080 V__ __ A
10	600	19,7	901	676	467	TT50 10 080 V__ __ A
12	720	23,7	1081	811	560	TT50 12 080 V__ __ A
14	840	27,6	1261	946	653	TT50 14 080 V__ __ A
16	960	31,6	1442	1081	747	TT50 16 080 V__ __ A
18	1080	35,5	1622	1217	840	TT50 18 080 V__ __ A
20	1200	39,4	1802	1352	933	TT50 20 080 V__ __ A
22	1320	43,4	1982	1487	1026	TT50 22 080 V__ __ A
24	1440	47,3	2162	1622	1120	TT50 24 080 V__ __ A
26	1560	51,3	2343	1757	1213	TT50 26 080 V__ __ A
28	1680	55,2	2523	1892	1306	TT50 28 080 V__ __ A
H 1000 mm						
5	300	12,1	551	412	284	TT50 05 100 V__ __ A
6	360	14,5	661	495	341	TT50 06 100 V__ __ A
7	420	16,9	771	577	398	TT50 07 100 V__ __ A
8	480	19,3	881	660	455	TT50 08 100 V__ __ A
10	600	24,2	1101	825	569	TT50 10 100 V__ __ A
12	720	29,0	1321	990	682	TT50 12 100 V__ __ A
14	840	33,8	1541	1155	796	TT50 14 100 V__ __ A
16	960	38,6	1762	1320	910	TT50 16 100 V__ __ A
18	1080	43,5	1982	1485	1024	TT50 18 100 V__ __ A
20	1200	48,3	2202	1650	1137	TT50 20 100 V__ __ A
22	1320	53,1	2422	1815	1251	TT50 22 100 V__ __ A
24	1440	58,0	2642	1980	1365	TT50 24 100 V__ __ A
26	1560	62,8	2863	2145	1478	TT50 26 100 V__ __ A
28	1680	67,6	3083	2310	1592	TT50 28 100 V__ __ A
H 1200 mm						
5	300	14,3	649	486	334	TT50 05 120 V__ __ A
6	360	17,1	779	583	401	TT50 06 120 V__ __ A
7	420	20,0	909	680	468	TT50 07 120 V__ __ A
8	480	22,9	1038	777	535	TT50 08 120 V__ __ A
10	600	28,6	1298	971	669	TT50 10 120 V__ __ A
12	720	34,3	1558	1166	802	TT50 12 120 V__ __ A
14	840	40,0	1817	1360	936	TT50 14 120 V__ __ A
16	960	45,7	2077	1554	1070	TT50 16 120 V__ __ A
18	1080	51,4	2336	1749	1203	TT50 18 120 V__ __ A
20	1200	57,2	2596	1943	1337	TT50 20 120 V__ __ A
22	1320	62,9	2856	2137	1471	TT50 22 120 V__ __ A
24	1440	68,6	3115	2331	1605	TT50 24 120 V__ __ A
26	1560	74,3	3375	2526	1738	TT50 26 120 V__ __ A
28	1680	80,0	3634	2720	1872	TT50 28 120 V__ __ A

TAMARA

TANDEM VERTICAL

El.	Width	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	[Kg]		[Watt]		
H 1400 mm						
5	300	16,5	747	558	384	TT50 05 140 V__ __ A
6	360	19,8	896	670	460	TT50 06 140 V__ __ A
7	420	23,1	1045	781	537	TT50 07 140 V__ __ A
8	480	26,4	1194	893	614	TT50 08 140 V__ __ A
9	540	29,7	1344	1005	690	TT50 09 140 V__ __ A
10	600	33,0	1493	1116	767	TT50 10 140 V__ __ A
12	720	39,6	1792	1339	920	TT50 12 140 V__ __ A
14	840	46,2	2090	1563	1074	TT50 14 140 V__ __ A
16	960	52,8	2389	1786	1227	TT50 16 140 V__ __ A
18	1080	59,4	2687	2009	1381	TT50 18 140 V__ __ A
20	1200	66,0	2986	2232	1534	TT50 20 140 V__ __ A
22	1320	72,6	3285	2455	1687	TT50 22 140 V__ __ A
24	1440	79,2	3583	2679	1841	TT50 24 140 V__ __ A
26	1500	82,6	3733	2790	1918	TT50 26 140 V__ __ A
H 1600 mm						
5	300	18,7	844	630	432	TT50 05 160 V__ __ A
6	360	22,5	1012	756	519	TT50 06 160 V__ __ A
7	420	26,2	1181	882	605	TT50 07 160 V__ __ A
8	480	30,0	1350	1008	692	TT50 08 160 V__ __ A
9	540	33,7	1518	1134	778	TT50 09 160 V__ __ A
10	600	37,5	1687	1260	864	TT50 10 160 V__ __ A
12	720	44,9	2024	1512	1037	TT50 12 160 V__ __ A
14	840	52,4	2362	1764	1210	TT50 14 160 V__ __ A
16	960	59,9	2699	2016	1383	TT50 16 160 V__ __ A
18	1080	67,4	3037	2267	1556	TT50 18 160 V__ __ A
19	1140	71,2	3205	2393	1642	TT50 19 160 V__ __ A
20	1200	74,9	3374	2519	1729	TT50 20 160 V__ __ A
21	1260	78,6	3543	2645	1815	TT50 21 160 V__ __ A
22	1320	82,4	3711	2771	1902	TT50 22 160 V__ __ A
H 1800 mm						
5	300	20,9	940	703	483	TT50 05 180 V__ __ A
6	360	25,1	1128	843	579	TT50 06 180 V__ __ A
7	420	29,3	1316	984	676	TT50 07 180 V__ __ A
8	480	33,5	1504	1124	773	TT50 08 180 V__ __ A
9	540	37,7	1692	1265	869	TT50 09 180 V__ __ A
10	600	41,9	1880	1405	966	TT50 10 180 V__ __ A
11	660	46,1	2068	1546	1062	TT50 11 180 V__ __ A
12	720	50,3	2256	1686	1159	TT50 12 180 V__ __ A
13	780	54,4	2444	1827	1255	TT50 13 180 V__ __ A
14	840	58,6	2632	1967	1352	TT50 14 180 V__ __ A
15	900	62,8	2820	2108	1448	TT50 15 180 V__ __ A
16	960	67,0	3008	2248	1545	TT50 16 180 V__ __ A
17	1020	71,2	3196	2389	1642	TT50 17 180 V__ __ A
18	1080	75,4	3384	2530	1738	TT50 18 180 V__ __ A
19	1140	79,6	3572	2670	1835	TT50 19 180 V__ __ A
H 2000 mm						
5	300	22,1	1037	776	534	TT50 05 200 V__ __ A
6	360	26,5	1244	931	640	TT50 06 200 V__ __ A
7	420	30,9	1451	1086	747	TT50 07 200 V__ __ A
8	480	35,4	1658	1241	854	TT50 08 200 V__ __ A
9	540	39,8	1866	1396	961	TT50 09 200 V__ __ A
10	600	44,2	2073	1551	1067	TT50 10 200 V__ __ A
11	660	48,6	2280	1706	1174	TT50 11 200 V__ __ A
12	720	53,0	2488	1861	1281	TT50 12 200 V__ __ A
13	780	57,4	2695	2017	1388	TT50 13 200 V__ __ A
14	840	61,9	2902	2172	1494	TT50 14 200 V__ __ A
15	900	66,3	3110	2327	1601	TT50 15 200 V__ __ A
16	960	70,7	3317	2482	1708	TT50 16 200 V__ __ A
17	1020	75,1	3524	2637	1815	TT50 17 200 V__ __ A
18	1080	79,5	3731	2792	1921	TT50 18 200 V__ __ A

HOW TO ORDER THE TAMARA TANDEM VERTICAL RADIATOR

Radiator model E.g.: Tamara tandem VERTICAL	Nr of Elements E.g.: 12 Elements	Height in mm Example: 1800 mm	Connection code Example: connection V02	Color code Es: R01 - White	Constant value
TT50	12	180	V02	R01	A

Example of article code creation

TT50 TAMARA TANDEM VERTICAL
12 12 Elements
180 Height 1800 mm
V02 Connection V02 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TT50 12 180 V02 R01 A

TAMARA

TANDEM HORIZONTAL

WARRANTY **5 YEARS**



Width L [mm]	600	634	800	1000	1200	1400	1600	1800	1900	2000
Therm. output per el. Δt = 50 °C [Watt]	63,1	66,7	84,0	104,8	127,7	146,5	167,5	188,5	199	209,6
Therm. output per el. Δt = 30 °C [Watt]	34,3	36,8	46,1	58,0	69,6	81,3	93,0	104,7	109,8	116,3
Dry Weight per element [kg]	1,528	1,614	1,972	2,415	2,858	3,302	3,745	4,188	4,202	4,419
Water content [lt]	1,195	1,255	1,587	1,980	2,373	2,765	3,158	3,551	3,747	3,943
Element surface [m²]	0,156	0,158	0,203	0,250	0,297	0,344	0,391	0,438	0,475	0,485
Exponent **n**	1,1929	1,1729	1,1749	1,1568	1,1550	1,1532	1,1514	1,1516	1,1517	1,1518
Pipe Centres I [mm] (V3-V4 only)	**566**	**600**	**766**	**966**	**1166**	**1366**	**1566**	**1766**	**1866**	**1966**

For output at different ΔT, please refer to the following formula: **desired output = output at ΔT 50 x (Desired Δt/50)^n**

MATERIAL:
• Ø 30 mm collectors in painted mild steel.
• 50x25 mm double vertical heating elements, elliptic shape, in painted mild steel.

FIXING KIT:
Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:
Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

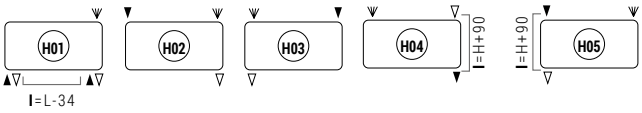
PAINTING PROCESS:
Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

COLORS:
See color chart on pages II and III.

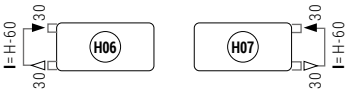
CERTIFICATES

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

STANDARD CONNECTIONS



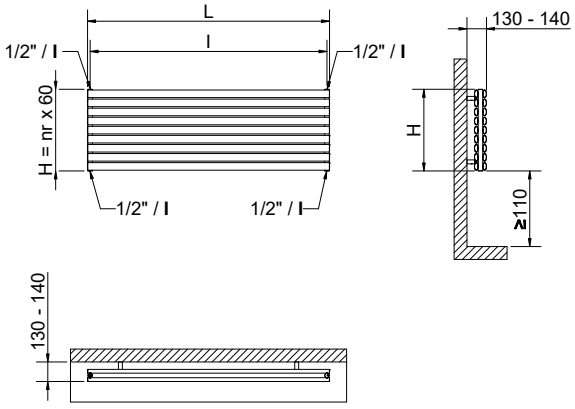
SPECIAL CONNECTIONS



Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.

LEGEND

▶	In	I	Pipe Centres
▷	Out	L	Width
⋞	Airvent	▯	Connection
H	Height	▮	Welded cap

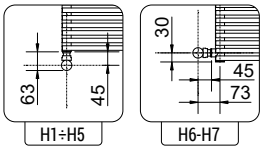


AVAILABLE ACCESSORIES



Kristal valve Total Color corner Right or Left with thermostatic option, colored

Quotes for Kristal valves



Complete list, codes and details of the ACCESSORIES from page 332.

FEATURES

P. max: **5 bar**

Functioning: **hot water**

T. max: **110°C**

Connections: **n° 2 x 1/2" G - 1 x 1/2" G**

HOW TO ORDER THE TAMARA TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Tamara tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
TT50	12	120	H04	R01	A

Example of article code creation

TT50 TAMARA TANDEM HORIZONTAL
12 12 Elements (see table below)
120 Width 1200 mm (see table below)
H04 Connection H04 (see next page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TT50 12 120 H04 R01 A

Width L [mm]		600	634	800	1000	1200	1400	1600	1800	1900	2000
Height H [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
300	5	316	334	420	524	639	733	838	943	995	1048
360	6	379	400	504	629	766	879	1005	1131	1194	1258
420	7	442	467	588	734	894	1026	1173	1320	1393	1467
480	8	505	534	672	838	1022	1172	1340	1508	1592	1677
540	9	568	600	756	943	1149	1319	1508	1697	1791	1886
600	10	631	667	840	1048	1277	1465	1675	1885	1990	2096
660	11	694	734	924	1153	1405	1612	1843	2074	2189	2306
720	12	757	800	1008	1258	1532	1758	2010	2262	2388	2515
780	13	820	867	1092	1362	1660	1905	2178	2451	2587	2725
840	14	883	934	1176	1467	1788	2051	2345	2639	2786	2934
900	15	947	1001	1260	1572	1916	2198	2513	2828	2985	3144
960	16	1010	1067	1344	1677	2043	2344	2680	3016	3184	3354
1020	17	1073	1134	1428	1782	2171	2491	2848	3205	3383	3563
1080	18	1136	1201	1512	1886	2299	2637	3015	3393	3582	3773
1140	19	1199	1267	1596	1991	2426	2784	3183	3582		
1200	20	1262	1334	1680	2096	2554	2930	3350			
1260	21	1325	1401	1764	2201	2682	3077	3518			
1320	22	1388	1467	1848	2306	2809	3223	3685			
1380	23	1451	1534	1932	2410	2937	3370				
1440	24	1514	1601	2016	2515	3065	3516				
1500	25	1578	1668	2100	2620	3193	3663				
1560	26	1641	1734	2184	2725	3320					
1620	27	1704	1801	2268	2830	3448					
1680	28	1767	1868	2352	2934	3576					
1740	29	1830	1934	2436	3039	3703					
1800	30	1893	2001	2520	3144						

TAMARA

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]		[Watt]		
H 360 mm							
	600	1,1929	9,2	379	290	206	TT50 06 060 H__ __ A
	800	1,1749	11,8	504	388	277	TT50 06 080 H__ __ A
	1000	1,1568	14,5	629	486	348	TT50 06 100 H__ __ A
	1200	1,1550	17,1	766	592	425	TT50 06 120 H__ __ A
6	1400	1,1532	19,8	879	680	488	TT50 06 140 H__ __ A
	1600	1,1514	22,5	1005	777	558	TT50 06 160 H__ __ A
	1800	1,1516	25,1	1131	875	628	TT50 06 180 H__ __ A
	1900	1,1517	25,2	1194	923	663	TT50 06 190 H__ __ A
	2000	1,1518	26,5	1258	973	698	TT50 06 200 H__ __ A
H 480 mm							
	600	1,1929	12,2	505	387	275	TT50 08 060 H__ __ A
	800	1,1749	15,8	672	517	369	TT50 08 080 H__ __ A
	1000	1,1568	19,3	838	647	464	TT50 08 100 H__ __ A
	1200	1,1550	22,9	1022	790	567	TT50 08 120 H__ __ A
8	1400	1,1532	26,4	1172	906	650	TT50 08 140 H__ __ A
	1600	1,1514	30,0	1340	1036	744	TT50 08 160 H__ __ A
	1800	1,1516	33,5	1508	1166	837	TT50 08 180 H__ __ A
	1900	1,1517	33,6	1592	1231	884	TT50 08 190 H__ __ A
	2000	1,1518	35,4	1677	1297	931	TT50 08 200 H__ __ A
H 600 mm							
	600	1,1929	1,5	631	484	343	TT50 10 060 H__ __ A
	800	1,1749	2,0	840	646	461	TT50 10 080 H__ __ A
	1000	1,1568	2,4	1048	810	580	TT50 10 100 H__ __ A
	1200	1,1550	2,9	1277	987	708	TT50 10 120 H__ __ A
10	1400	1,1532	3,3	1465	1133	813	TT50 10 140 H__ __ A
	1600	1,1514	3,7	1675	1295	930	TT50 10 160 H__ __ A
	1800	1,1516	4,2	1885	1458	1047	TT50 10 180 H__ __ A
	1900	1,1517	4,2	1990	1539	1105	TT50 10 190 H__ __ A
	2000	1,1518	4,4	2096	1621	1164	TT50 10 200 H__ __ A

TAMARA

TANDEM HORIZONTAL

Elements	Width	Exponent	Dry Weight	Thermal output Δt 50°C	Δt 40°C	Δt 30°C	Art. nr.
n°	L [mm]	n	[Kg]	[Watt]			
H 720 mm							
12	600	1,1929	18,3	757	580	412	TT50 12 060 H__ __ A
	800	1,1749	23,7	1008	776	553	TT50 12 080 H__ __ A
	1000	1,1568	29,0	1258	972	697	TT50 12 100 H__ __ A
	1200	1,1550	34,3	1532	1184	849	TT50 12 120 H__ __ A
	1400	1,1532	39,6	1758	1359	975	TT50 12 140 H__ __ A
	1600	1,1514	44,9	2010	1555	1116	TT50 12 160 H__ __ A
	1800	1,1516	50,3	2262	1749	1256	TT50 12 180 H__ __ A
	1900	1,1517	50,4	2388	1847	1326	TT50 12 190 H__ __ A
	2000	1,1518	53,0	2515	1945	1396	TT50 12 200 H__ __ A
H 840 mm							
14	600	1,1929	21,39	883	677	480	TT50 14 060 H__ __ A
	800	1,1749	27,61	1176	905	645	TT50 14 080 H__ __ A
	1000	1,1568	33,81	1467	1133	812	TT50 14 100 H__ __ A
	1200	1,1550	40,01	1788	1382	991	TT50 14 120 H__ __ A
	1400	1,1532	46,23	2051	1586	1138	TT50 14 140 H__ __ A
	1600	1,1514	52,43	2345	1814	1302	TT50 14 160 H__ __ A
	1800	1,1516	58,63	2639	2041	1465	TT50 14 180 H__ __ A
	2000	1,1518	58,83	2934	2269	1629	TT50 14 200 H__ __ A
H 960 mm							
16	600	1,1929	24,45	1010	774	549	TT50 16 060 H__ __ A
	800	1,1749	31,55	1344	1034	737	TT50 16 080 H__ __ A
	1000	1,1568	38,64	1677	1295	929	TT50 16 100 H__ __ A
	1200	1,1550	45,73	2043	1579	1132	TT50 16 120 H__ __ A
	1400	1,1532	52,83	2344	1812	1301	TT50 16 140 H__ __ A
	1600	1,1514	59,92	2680	2073	1488	TT50 16 160 H__ __ A
	1800	1,1516	67,01	3016	2333	1675	TT50 16 180 H__ __ A
	2000	1,1518	67,23	3354	2594	1862	TT50 16 200 H__ __ A

HOW TO ORDER THE TAMARA TANDEM HORIZONTAL RADIATOR

Radiator model E.g.: Tamara tandem horizontal	Nr of Elements E.g.: 12 Elements	Width in mm Example: 1200 mm	Connection code Example: connection H04	Color code Es: R01 - White	Constant value
TT50	12	120	H04	R01	A

Example of article code creation

TT50 TAMARA TANDEM HORIZONTAL
12 12 Elements
120 Width 1200 mm
H04 Connection H04 (see product page)
R01 Color R01 - White (see color chart)
A Constant value

The article code will be:
TT50 12 120 H04 R01 A



ACCESSORIES & TECHNICAL SUPPORT

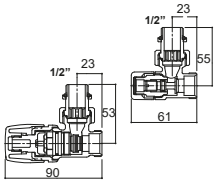


ACCESSORIES

TOTAL COLOR KRISTAL VALVE KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes. For the thermostatic Kristal valve the thermostatic head must be ordered separately. The art. nr. of the chart refers to standard color white R01; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see the color chart pages II and III.

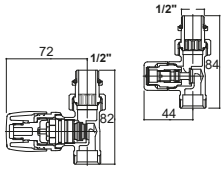




**TOTAL COLOR, KRISTAL VALVE,
ANGLED WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334027	WHITE	Art. nr.	5991990334026

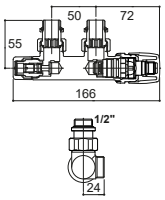




**TOTAL COLOR, KRISTAL VALVE,
STRAIGHT WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334025	WHITE	Art. nr.	5991990334024

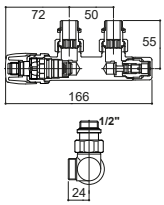




**TOTAL COLOR, KRISTAL VALVE, ANGLED RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334035	WHITE	Art. nr.	5991990334034

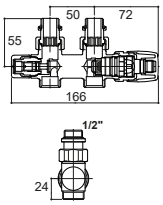




**TOTAL COLOR, KRISTAL VALVE, ANGLED LEFT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334037	WHITE	Art. nr.	5991990334036

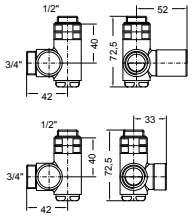




**TOTAL COLOR, KRISTAL VALVE, STRAIGHT RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334039	BIANCO	Art. nr.	5991990334038





**TOTAL COLOR, KRISTAL VALVE,
COMBI WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14 and Multilayer conn. Ø 16		
WHITE	Art. nr.	5991990334044



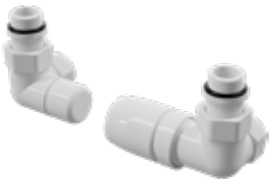
NEW

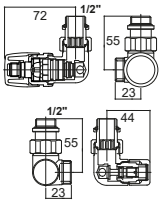
Valve cap, fittings and shanks matching the valve color.

ACCESSORIES

TOTAL COLOR KRISTAL VALVE KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes. For the thermostatic Kristal valve the thermostatic head must be ordered separately. The art. nr. of the chart refers to standard color white R01; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see the color chart pages II and III.

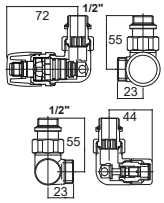




TOTAL COLOR, KRISTAL VALVE, CORNER RIGHT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334029	◯ BIANCO	Art. nr.	5991990334028

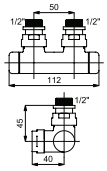




TOTAL COLOR, KRISTAL VALVE, CORNER LEFT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334031	◯ WHITE	Art. nr.	5991990334030

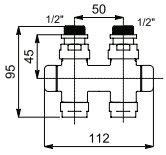




KIT 2 HOLDERS KRISTAL VALVE TOTAL COLOR ANGLED RIGHT PIPE CENTRES 50 MM WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334041	◯ WHITE	Art. nr.	5991990334040

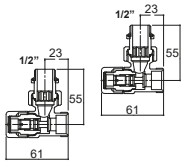




KIT 2 HOLDERS KRISTAL VALVE TOTAL COLOR STRAIGHT RIGHT PIPE CENTRES 50 MM WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334043	◯ WHITE	Art. nr.	5991990334042

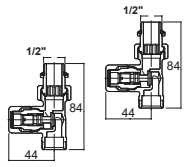




KIT 2 HOLDERS ANGLED WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334056	◯ WHITE	Art. nr.	5991990334055





KIT 2 HOLDERS STRAIGHT WHITE R01

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334058	◯ WHITE	Art. nr.	5991990334057



NEW

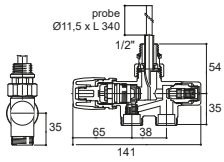
Valve cap, fittings and shanks matching the valve color.

ACCESSORIES

TOTAL COLOR KRISTAL VALVE KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes. For the thermostatic Kristal valve the thermostatic head must be ordered separately. The art. nr. of the chart refers to standard color white R01; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see the color chart pages II and III.

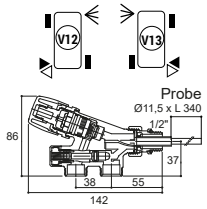




**TOTAL COLOR, KRISTAL VALVE,
BIDIRECTIONAL UNDERNEATH INLET AT LEFT/RIGHT SIDE WITH
THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334048	◯ WHITE	Art. nr.	5991990334047

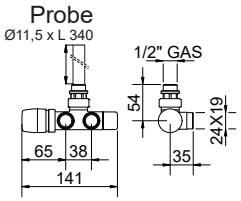




**TOTAL COLOR, KRISTAL VALVE,
BIDIRECTIONAL LATERAL INLET
WITH THERMOSTATIC OPTION WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334050	◯ WHITE	Art. nr.	5991990334049

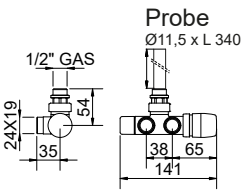




**TOTAL COLOR, KRISTAL VALVE,
BIDIRECTIONAL ANGLED RIGHT WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334052	◯ WHITE	Art. nr.	5991990334051

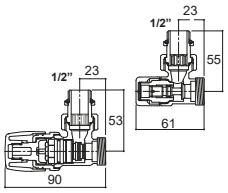




**TOTAL COLOR, KRISTAL VALVE,
BIDIRECTIONAL ANGLED LEFT WHITE R01**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334054	◯ WHITE	Art. nr.	5991990334053

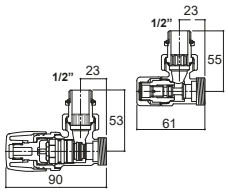




**EUROKONUS VALVES ANGLED WITH THERMOSTATIC OPTION
WHITE R01 - 3/4" CONNECTION**

◯ WHITE	Art. nr.	5991990332877





**EUROKONUS VALVES TOTAL COLOR ANGLED WITH THERMOSTATIC
OPTION WHITE R01 - 3/4" CONNECTION**

Copper conn. Ø 12-14			Multilayer conn. Ø 16		
◯ WHITE	Art. nr.	5991990334033	◯ WHITE	Art. nr.	5991990334032

PIPE ADAPTER FOR EUROKONUS CHROMED

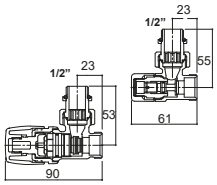
Copper connection Ø 12	Multilayer conn. Ø 14
Art. nr. 5991990010234	Art. nr. 5991990010237
Copper connection Ø 14	**Multilayer conn. Ø 16**
Art. nr. 5991990010235	Art. nr. 5991990010238

ACCESSORIES

POLISHED KRISTAL VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes. For the thermostatic Kristal valve the Thermostatic head must be ordered separately.

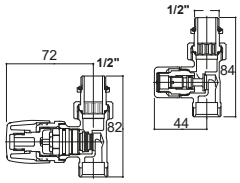




KRISTAL VALVE ANGLED WITH THERMOSTATIC OPTION CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301807	Art. nr.	5991990311166

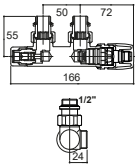




KRISTAL VALVE STRAIGHT WITH THERMOSTATIC OPTION CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301806	Art. nr.	5991990311164

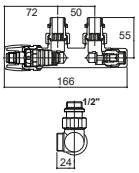




KRISTAL VALVE ANGLED RIGHT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301811	Art. nr.	5991990301149

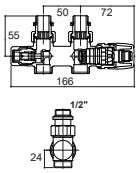




KRISTAL VALVE ANGLED LEFT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301812	Art. nr.	5991990301151

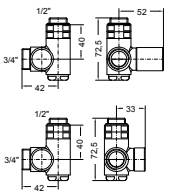




KRISTAL VALVE STRAIGHT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301813	Art. nr.	5991990301153

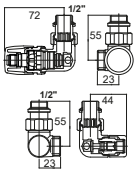




KRISTAL VALVE COMBI WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14 e Multilayer conn. Ø 16	
Art. nr.	5991990301810

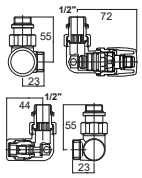




KRISTAL VALVE CORNER RIGHT WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301808	Art. nr.	5991990301145

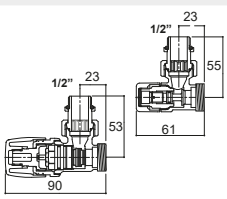




KRISTAL VALVE CORNER LEFT WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990301809	Art. nr.	5991990301147





EUROKONUS VALVES ANGLED WITH THERMOSTATIC OPTION CHROMED FINISHING- 3/4" CONNECTION

Art. nr.	5991990332878

PIPE ADAPTER FOR EUROKONUS

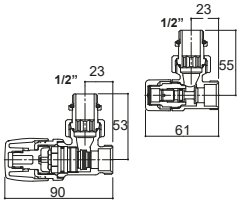
Copper connection Ø 12	Multilayer conn. Ø 14
Art. nr. 5991990010234	Art. nr. 5991990010237
Copper connection Ø 14	Multilayer conn. Ø 16
Art. nr. 5991990010235	Art. nr. 5991990010238

ACCESSORIES

SATIN KRISTAL VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes. For the thermostatic Kristal valve the Thermostatic head must be ordered separately.

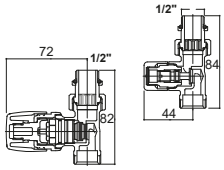




KRISTAL VALVE ANGLED WITH THERMOSTATIC OPTION SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321150	Art. nr.	5991990321144

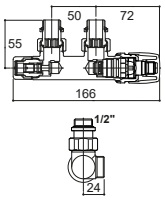




KRISTAL VALVE STRAIGHT WITH THERMOSTATIC OPTION SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321149	Art. nr.	5991990321148

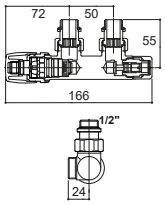




KRISTAL VALVE ANGLED RIGHT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321153	Art. nr.	5991990321137

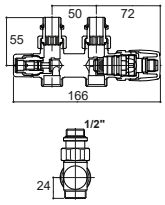




KRISTAL VALVE ANGLED LEFT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321154	Art. nr.	5991990321139

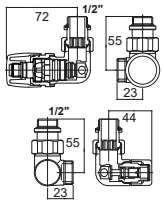




KRISTAL VALVE STRAIGHT PIPE CENTRES 50 MM WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321155	Art. nr.	5991990321141

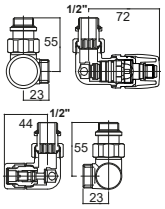




KRISTAL VALVE CORNER RIGHT WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321151	Art. nr.	5991990321133





KRISTAL VALVE CORNER LEFT WITH THERMOSTATIC OPTION - SATIN FINISHING

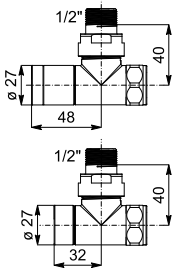
Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990321152	Art. nr.	5991990321135

ACCESSORIES

BRASS | ANTIQUE COPPER VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14) or multilayer (Ø 16) pipes.

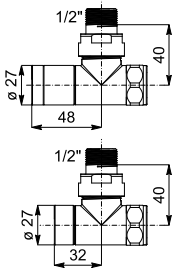




KRISTAL VALVE ANGLED WITH THERMOSTATIC OPTION BRASS

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990311247	Art. nr.	5991990311249





KRISTAL VALVE ANGLED WITH THERMOSTATIC OPTION ANTIQUE COPPER

Copper conn. Ø 12-14		Multilayer conn. Ø 16	
Art. nr.	5991990311248	Art. nr.	5991990311250

NEW **THERMOSTATIC HEAD KRISTAL TC** TOTAL COLOR

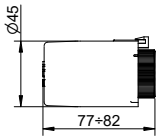
NEW

FULLY COLORED

The **thermostatic head Kristal TC Total Color**, suitable for all valves of the Kristal series, can be colored to match the valve. It is available in all the colors offered in the color chart.



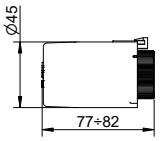




THERMOSTATIC HEAD KRISTAL TC TOTAL COLOR

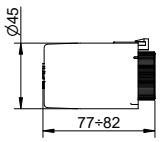
PURE WHITE **RAL 9010 - R01**	Art. nr.	5035270710028
TRAFFIC WHITE **RAL 9016 - R02**	Art. nr.	5035270710029
MATT WHITE **T11**	Art. nr.	5035270710030
MATT BLACK **T01**	Art. nr.	5035270710031





THERMOSTATIC HEAD KRISTAL TC FULLY COLORED

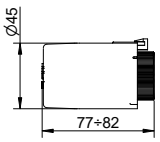




THERMOSTATIC HEAD KRISTAL TC CHROMED

Chromed	Art. nr.	5035270710032





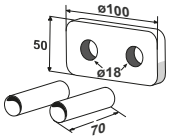
THERMOSTATIC HEAD KRISTAL TC SATIN

Satin	Art. nr.	5035270710033

ACCESSORIES

PIPE COVERING



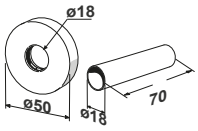


SET FOR PIPE COVERING POLISHED FINISHING - PIPE CENTRES 50

Art. nr. 5103000000154

KIT WITH 1 PAIR



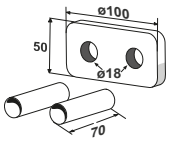


SET FOR PIPE COVERING POLISHED FINISHING

Art. nr. 5103000000061

KIT WITH 1 PAIR



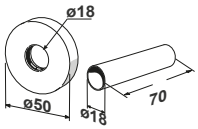


SET FOR PIPE COVERING SATIN FINISHING - PIPE CENTRES 50

Art. nr. 5103000000155

KIT WITH 1 PAIR



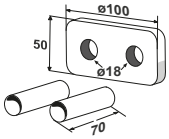


SET FOR PIPE COVERING SATIN FINISHING

Art. nr. 5103000000062

KIT WITH 1 PAIR



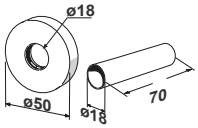


SET FOR PIPE COVERING WHITE FINISHING - PIPE CENTRES 50 FOR WHITE VALVES

BIANCO Art. nr. 5103000000152

KIT WITH 1 PAIR



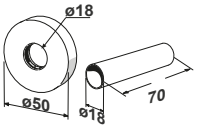


SET FOR PIPE COVERING WHITE FINISHING FOR WHITE VALVES

BIANCO Art. nr. 5103000000060

KIT WITH 1 PAIR



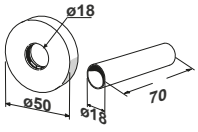


PIPE COVERING BRASS

Art. nr. 5103000000293

KIT WITH 1 PAIR





PIPE COVERING ANTIQUE COPPER

Art. nr. 5103000000294

KIT WITH 1 PAIR

ACCESSORIES

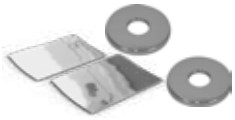
PIPE COVERING



SET FOR PIPE COVERING POLISHED FINISHING

Ø	Art. nr.
10	5103000000069
12	5103000000070
14	5103000000071
15	5103000000072
16	5103000000073
18	5103000000074

KIT WITH 10 PAIRS



SET FOR PIPE COVERING SATIN FINISHING

Ø	Art. nr.
10	5103000000158
12	5103000000159
14	5103000000160
15	5103000000161
16	5103000000162
18	5103000000163

KIT WITH 10 PAIRS



SET FOR PIPE COVERING WHITE FINISHING

Ø	Art. nr.
10	5103000000063
12	5103000000064
14	5103000000065
15	5103000000066
16	5103000000067
18	5103000000068

KIT WITH 10 PAIRS

FITTINGS



PIPE FITTINGS SET AND WHITE WALL COVERING COPPER CONN. Ø 10-15-16

Ø	Art. nr.
10	5160000000144
15	5160000000223
16	5160000000145

KIT WITH 5 PAIRS



PIPE FITTINGS SET AND WHITE WALL COVERING MULTILAYER CONN. Ø 14-18

Ø	Art. nr.
14	5160000000146
18	5160000000147

KIT WITH 5 PAIRS



PIPE FITTINGS SET AND WHITE WALL COVERING MULTILAYER CONN. Ø 20

Ø	Art. nr.
20	5006170050017

KIT WITH 1 PAIR

FITTING FOR VALVES



FITTING FOR KRISTAL VALVES

	Art. nr.
1/2"	5006170030109
3/8"	5006170030108

KIT WITH 5 PAIRS



IRON PIPES FITTING FOR KRISTAL VALVES

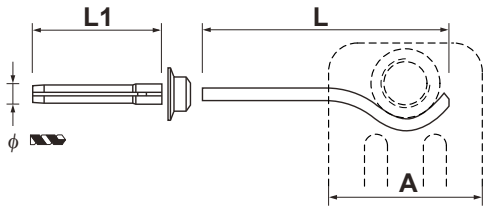
	Art. nr.
1/2"	5150990300001
3/8"	5150990300003

KIT WITH 1 PAIR

WALL BRACKETS KIT

For the installation it is recommended to use the wall brackets provided by Cordivari, with different sizes depending on model. **The kit includes:**

- **2 WALL BRACKETS**
- **2 PLASTIC NOGS**







HOW TO CALCULATE THE NUMBER OF WALL BRACKETS REQUIRED.

ALWAYS REMEMBER TO CONSIDER BOTH THE DRY WEIGHT OF THE RADIATOR AND ITS WATER CONTENT.

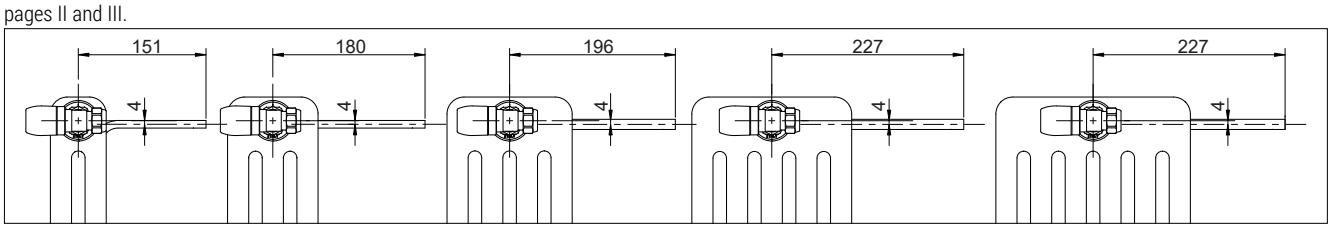
N° Columns	Art. nr.	ø Nogs (mm)	L (mm)	L1 (mm)	Max Load [kg]
2	5991990310378	12	179	100	150
3	5991990310379	12	207	100	100
4	5991990310380	15	223	111	200
5	5991990310381	15	254	111	160
6					80

Eg: an Ardesia radiator consisting of:
n° columns: 4 - Height: 1000 - n° elements: 48

Total Dry Weight of 1 section, water included: 2.96 * [Dry Weight of empty section] + 1.84 * [Dry Weight of water contained in the section] = total kg. 4.8. Total Dry Weight of the whole radiator: 4.8 kg X 48 [sections] = 230.4 kg No. of fixing kits to order: 230.4 kg [total Dry Weight of the radiator] /200 [max Dry Weight that 1 wall brackets kit can take for Ardesia® 4 columns] = 1.15. The number of kits necessary in this case is 2 - Code Nr. **5991990310380**.

(*) Above data are taken from the relevant technical table (see page 44).

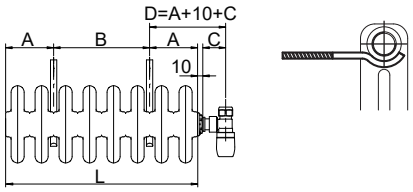
The code nr of the chart refer to standard color R01 White; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see the color chart pages II and III.



MAX. NUMBER OF SECTIONS THAT CAN BE SUPPORTED BY A PAIR OF BRACKETS AVAILABLE FOR SOLID/MASONARY AND PERFORATED BRICK WALLS.

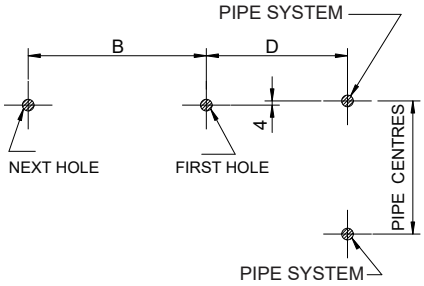
Height	NR. COLUMNS 2	3	4	5	6
207	40	40	40	40	40
300	40	40	40	40	31
356	40	40	40	40	27
400	40	40	40	40	25
406	40	40	40	40	24
500	40	40	40	40	20
556	40	40	40	40	19
586	40	40	40	40	18
600	40	40	40	40	18
626	40	40	40	40	17
656	40	40	40	39	16
676	40	40	40	38	16
750	40	36	40	35	14
756	40	36	40	34	14
786	40	35	40	33	14
856	40	32	40	31	13
876	40	31	40	30	12
900	40	30	40	29	12
926	40	30	40	29	12
956	40	30	40	29	12
1000	40	28	40	27	11
1056	40	26	39	25	11
1200	40	23	35	23	9
1500	40	19	28	18	8
1656	39	17	26	17	7
1800	36	16	24	15	6
1856	35	15	23	15	6
2000	32	14	22	14	6
2056	32	14	21	13	6
2200	30	13	20	13	5
2500	26	12	17	11	5

DETERMINE THE BRACKET POSITION IN RELATION TO THE RADIATOR



DETERMINE THE POSITION OF THE RADIATOR IN RELATION TO PIPES

REALIZE HOLES ON THE WALL IN RELATION TO THE PIPES POSITION



To determine A and B

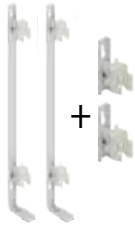
· For N. of sections < 8:
- A = 46
- B = L - 92

· For N. of sections ≥ 8:
- A = 92
- B= L-184 for 2 brackets
- B = [(L - 184) /2] - 23 for 4 brackets and even N of sections
- B = (L - 184) /2 for 4 brackets and uneven N. of sections

RAPID FIXING SAFETY KIT VDI 6036

On a daily use at home, but also in public buildings, radiators are subject to physical contact and stress from users.
A safe FIXING is crucial, as these radiators are often quite heavy and therefore potentially dangerous in the event of an accident. In extreme cases, a falling radiator can cause serious damage to property or injuries to people.
Safety is related to FIXING systems, which must be adapted to the loads and stresses and also withstand special or even extreme situations, such as improper use.
In Europe, the Verein Deutscher Ingenieure (VDI), the German association of engineers, has laid down requirements in a directive, **VDI 6036**, in which the specifications and safety requirements for radiator FIXING systems are resumed. Our company has chosen to implement these prescriptions and references by manufacturing and adopting FIXING systems that maximize safety, guaranteeing customers reducing risks on installation to a minimum.
These FIXING systems implement the prescriptions of the **VDI 6036** standard, guaranteeing, in addition to the weight, stability and resistance to the traction of additional loads in all directions. In addition to being the safest systems on the market, these systems allow a practical and quick radiators installation.

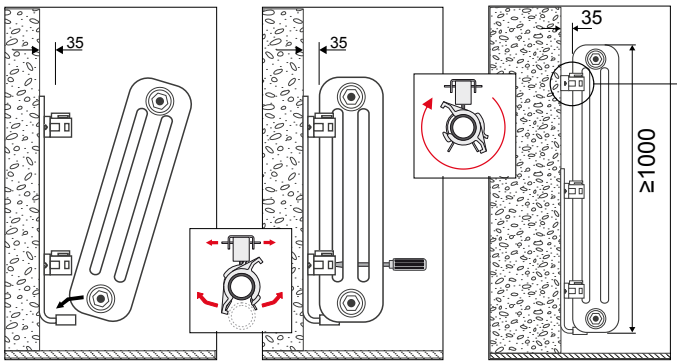
RAPID FIXING (*)

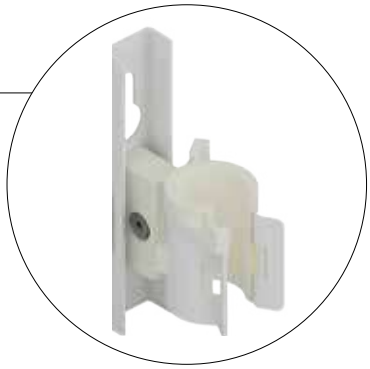
Pair of fixing kit	Suitable for the following heights	Max Load	Art. nr.
	300 mm to 350 mm	150 kg	5102000000440
	350 mm to 450 mm		5102000000441
	500 mm to 700 mm		5102000000442
	750 mm to 1000 mm		5102000000443
	over 1000 mm (**)	150 kg	5102000000444

(*) The code nr of the chart refers to standard color white R01; colors different from standard are supplied exclusively with the matching colored radiator. See color chart pages II and III.

(**) For Heights above 1000 mm the art. code includes an additional pair of fixing kit to be placed on the upper part of the radiator so to ensure complete stability as per below drawing.

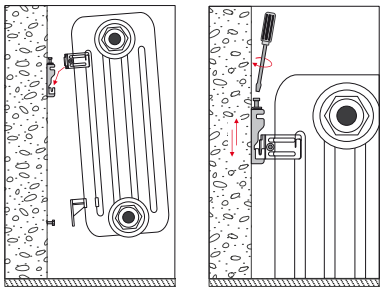
EXAMPLE OF INSTALLATION WITH RAPID SAFETY KIT

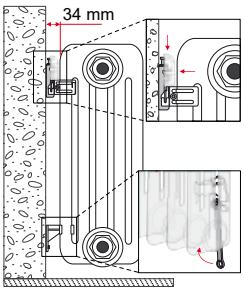




UNIVERSAL RAPID SAFETY KIT

PAIR OF WALL TIES FIXING KIT Color WHITE	Art. nr.	Max Load
	5991990310311	150 kg





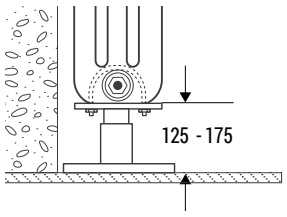




FLOOR FIXING KIT

FLOOR FIXING KIT WITH ADJUSTABLE FEET



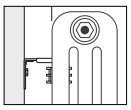


This floor fixing support allows the installation of Ardesia® batteries whenever the radiator dry weight can not be supported from walls only. They ensure stability and easy installation.



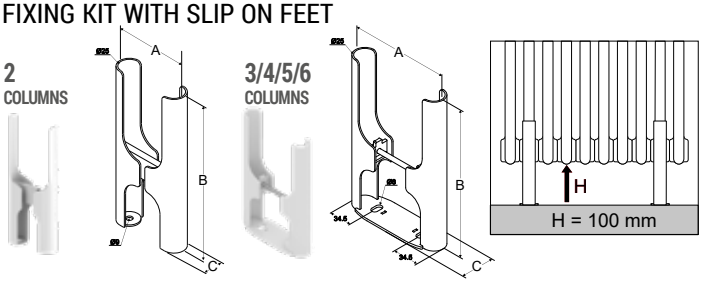
Pair of floor fixig kit with adjustable height. From 125mm up to 175mm. Available for radiators from 2 up to 6 columns. Color White.

Art. nr.
5991990310040



PLEASE NOTE:
it requires the use of a wall tie.
See below

FIXING KIT WITH SLIP ON FEET

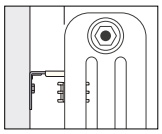


PAIR OF SLIP ON FEET	Art. nr.	A	B	C
Suitable for	(color R01 White)		[mm]	
2 Columns	5102000000867	60 - 80	210	28
3 Columns	5102000000868	114	210	45
4 Columns	5102000000869	154	210	45
5 Columns	5102000000870	196	210	45
6 Columns	5102000000871	237	210	45

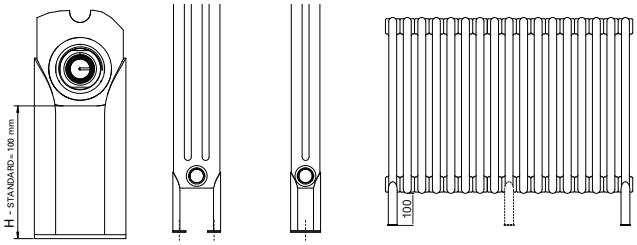
For colors different from standard white R01, see color chart pages II and III.

WELDED FEET SUPPORT



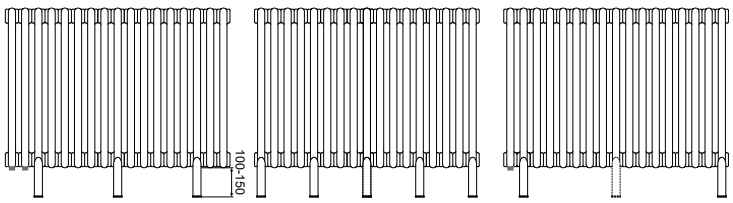


PLEASE NOTE: it requires the use of a wall tie (not included in price). See below.



MOUNTING OPTIONS	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS	FEET STANDARD HEIGHT
	connected at the base			free		[mm]
From 3 to 23 sections	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	100
From 24 to 40 sections	**3 pairs**	**3 pairs**	**3 pairs**	**-**	**-**	100
From 24 to 40 sections	**-**	**-**	**-**	**4 pairs**	**4 pairs**	100
From 40 to 63 sections	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	100

For batteries with bottom sleeve connections, the number of welded feet may be 2 or 4 pairs, depending on the battery size.



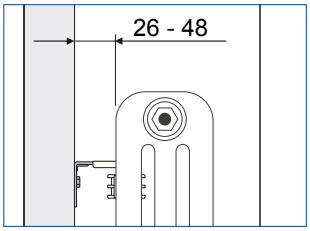
On demand, it is possible to realize:
- bottom connections to ease installation
- welded feet positioned irregularly
- higher number of welded feet

For colors different from standard white R01, see color chart pages II and III.

WALL TIE

Useful to ensure stability and avoid the risk of accidental overturn.
PLEASE NOTE: it is necessary to use the wall tie in case of feet mounting option.





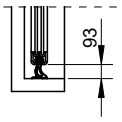


Kit of 2 single Wall ties

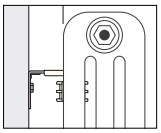
WHITE	Art. nr.	5991990310307

FLOOR FIXING KIT

PAIR OF DECO FLOOR SUPPORTS

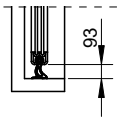


WHITE Art. nr. 5991990310308



PLEASE NOTE:
It requires the use of a wall tie. (Not included in the price).
See page 342.

SINGLE DECO FLOOR SUPPORT



WHITE Art. nr. 5991990310517

For different colors see the color chart pages II and III

For different colors see the color chart pages II and III

PLASTERBOARD WALL ADAPTERS





MAX LOAD IN KG FOR A PAIR OF PLASTERBOARD WALL ADAPTERS

Shelves	Thickness of the wall 12,5 mm	Thickness of the wall 12,5 +12,5 mm
2 Columns	46 kg	74 kg
3 Columns	46 kg	74 kg
4 Columns	34 kg	50 kg
5 Columns	30 kg	45 kg
6 Columns	28 kg	40 kg

1 PAIR OF PLASTERBOARD WALL ADAPTERS - WALL THICKNESS 12,5 MM.
SUITABLE FOR 2/3 COLUMNS WALL BRACKETS
Kit Art. nr. **5150991100001**

1 PAIR OF PLASTERBOARD WALL ADAPTERS - WALL THICKNESS 12,5 MM.
SUITABLE FOR 4/5/6 COLUMNS WALL BRACKETS
Kit Art. nr. 5150991100002

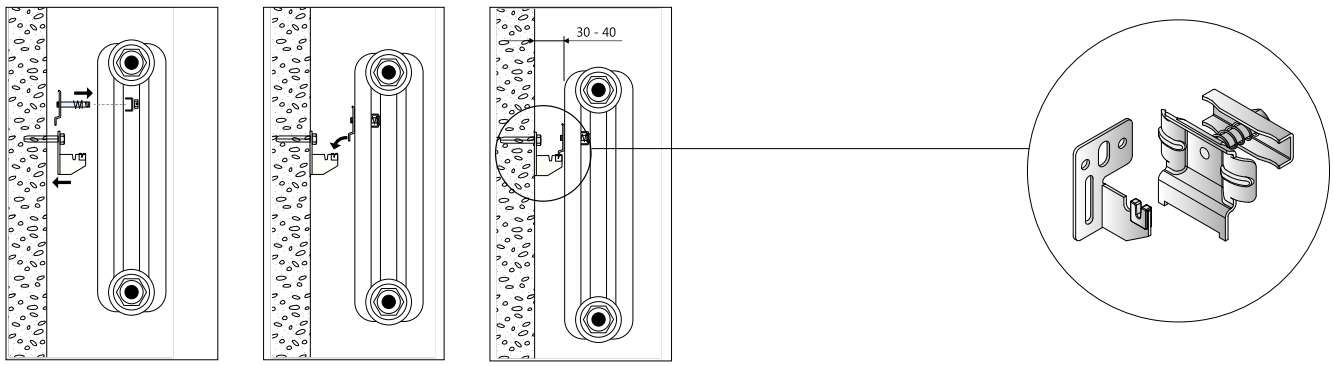
1 PAIR OF PLASTERBOARD WALL ADAPTERS - WALL THICKNESS 25 MM.
SUITABLE FOR 2/3 COLUMNS WALL BRACKETS
Kit Art. nr. 5150991100003

1 PAIR OF PLASTERBOARD WALL ADAPTERS - WALL THICKNESS 25 MM.
SUITABLE FOR 4/5/6 COLUMNS WALL BRACKETS
Kit Art. nr. 5150991100004



The plasterboards wall adapters must be used with the WALL BRACKETS KIT, see page 340.

MINIMAL FIXING KIT





1 PAIR
FIXING KIT

(Max load 78 kg.)

WHITE Art. nr. 5102000000918



2 pairs
FIXING KIT

(Max load 156 kg.)

WHITE Art. nr. 5102000001096

BLANKING PLUG AND REDUCING BUSHES

RIGHT SIDE

10 PCS.

1" caps
Right ø 44 mm
Silicone gasket
Size 1"



◯ WHITE	Art. nr.	5160000000002

LEFT SIDE

10 PCS.

1" caps
Left ø 44 mm
Silicone gasket
Size 1"



◯ WHITE	Art. nr.	5160000000004

BLANKING PLUGS

10 PCS.



1/2"	Art. nr.	5160000000079
3/8"		5160000000080

RIGHT REDUCING BUSHES

10 PCS.
Reducing Bush RIGHT
Ø 42 mm
Silicone gasket



1" x 3/4"	◯ WHITE	Art. nr.	5160000000013
1" x 1/2"	◯ WHITE	Art. nr.	5160000000009
1" x 3/8"	◯ WHITE	Art. nr.	5160000000017
1" x 1/4"	◯ WHITE	Art. nr.	5160000000021

LEFT REDUCING BUSHES

10 PCS.
Reducing Bush LEFT
Ø 42 mm
Silicone gasket



1" x 3/4"	◯ WHITE	Art. nr.	5160000000015
1" x 1/2"	◯ WHITE	Art. nr.	5160000000011
1" x 3/8"	◯ WHITE	Art. nr.	5160000000019
1" x 1/4"	◯ WHITE	Art. nr.	5160000000023

NIPPLING KIT

Kit includes:
- 2 reducing bushes Right from 1" M to 1/2 - 3/8" F
- 1 reducing bush left from 1" M to 1/2 - 3/8" F
- 1 cap 1" left
- 1 Air Vent 1/2" - 3/8"
- Gaskets.



1/2"	◯ WHITE	Art. nr.	5160000000030
3/8"	◯ WHITE	Art. nr.	5160000000031

FITTINGS KIT - ½

1 BLISTER
Color white

The Kit includes: 1 Air Vent 1/2" - 1 bleed key-2 reducing bushes 1/2" right (DX) -2 reducing bushes 1/2" left (SX)



Art. nr. **R01**	5160000000193
Art. nr. **R02**	5160000000222

TIGHTENING KEY

PACK OF 3 PIECES

Made of scratch-resistant plastic material, ideal for tightening caps and reducing bushes as it does not damage the paint of the fittings.



Art. nr.	5160000000027

NIPPLING KEY

Nippling key made in mild steel (L: 1000 mm - 1") for tightening nipples during battery joining operations



Art. nr.	5150990000003

AIRVENTS

10 PCS.

1/2", 1/4", 3/8"



1/2"		5160000000005
1/4"	Art. nr.	5160000000007
3/8"		5160000000006

NIPPLES

10 PCS.
1" nipples + silicon gasket

Use only Cordivari Nipples. The use of other nipples does not guarantee the sealing of the radiator and excludes the warranty.



Art. nr.	5160000000026

DIVERTER

10 PCS.

Reccomended for radiators with less than 10 sections and/or higher than 1000 mm.



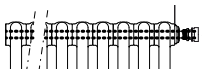
Art. nr.	5160000000028

INLET LANCE

When Ardesia® tubular radiator with lateral connections exceeds the number of sections and lenght indicated in below chart, in order to guarantee the normal functioning of the radiator and its thermal output,
it is necessary to insert an inlet lance. Its lenght must be 2/3 of the total radiator lenght.

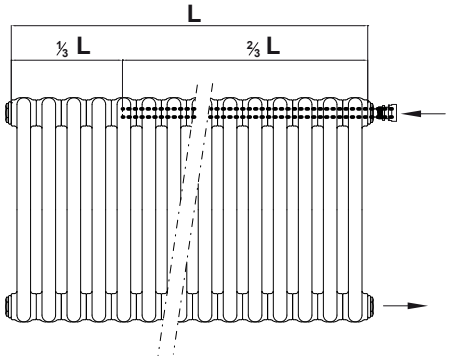
INLET LANCE KIT

Lenght 4000 mm (to be cut according to desired lenght) with 1/2" fitting exclusively for Cordivari kristal valve



Art. nr.
5006170030110

Columns	N° Elements	Lenght of the inlet lance [mm]
2	> 85	3910
3	> 83	3818
4	> 80	3680
5	> 70	3220
6	> 55	2530



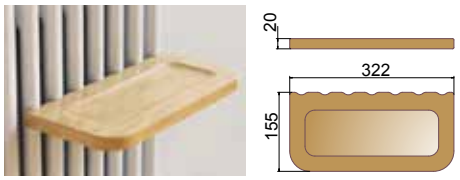
HOOKS AND TOWEL BAR

HOOK



Art. nr.	Finishing/ color	N° of single items per kit
5991990310376	CHROMED	2
5991990310375	WHITE	2

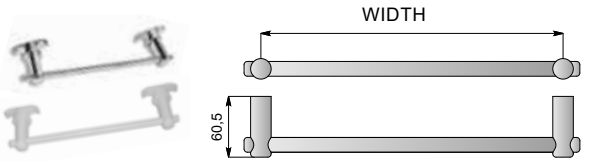
WOODEN SHELVE



Art. nr.	Finishing
5991990500013	White Oak

Available only for Ardesia® 2 and 3 columns ≥ 9 elements

TOWEL BAR



Art. nr.	Color/ Finishing	Width	N° Elements
5991990310392	WHITE	320	from 7 onwards
5991990310394		520	from 10 onwards
5991990310393	CHROMED	320	from 7 onwards
5991990310395		520	from 10 onwards



MAINTENANCE

TOUCH-UP PENS - R01

2 PCS PACK

COLOR
WHITE RAL 9010 - R01



Art. nr. 5160000000076

TOUCH-UP PENS - R02

2 PCS PACK

COLOR
WHITE RAL 9016 - R02



Art. nr. 5160000000077

WOOL BRUSH FOR CLEANING RADIATORS

- Antistatic. Ideal to capture dust
- It can be used on both wet and dry surfaces
- Flexible structure, it allows to clean each part of the radiator
- Hand washable in cold water



Art. nr. 5991990000016

ACCESSORIES

HOOKS AND TOWEL BAR STANDARD COLOR WHITE R01

KIT 2 HOOKS - WHITE R01



Suitable for:	Art. nr. R01
CLAUDIA®	5991990310028
CLAUDIA® WIDE	
CLAUDIA® SQUARE	
CLAUDIA® ELECTRIC	
CLAUDIA® BLOWER	
DORIANA	

TOWEL BAR - WHITE R01



Suitable for:	Width mm	Art. nr. R01
CLAUDIA® CLAUDIA® EL. (Width ≥ 400 mm)	276	5991990310047
CLAUDIA® CLAUDIA® ELECTRIC (Width ≥ 500 mm)	368	5991990310029
CLAUDIA® CLAUDIA® EL. (Width ≥ 600 mm)	460	5991990310034
CLAUDIA® (Width ≥ 750 mm)	552	5991990310030

KIT 2 HOOKS - WHITE R01



Suitable for:	Art. nr. R01
LUCY 18	5991990310388
LUCY 18 WIDE	
ALICE 18	
LUCY EL.	
DORY	5991990310389
DORY EL.	
DORY BLOWER	
KELLY 5010	
ROSY VT/OR	
KATIA VX	5991990310391
KARIN VX	

TOWEL BAR - WHITE R01



Suitable for:	Width mm	Art. nr. R01
LUCY 18 (Width ≥ 500 mm)	440	5991990331126
ALICE 18 (Width ≥ 475 mm)		
LUCY 18 ELECTRIC		
DORY (Width ≥ 500 mm)	390	5991990331127
DORY ELECTRIC		
DORY BLOWER		
ROSY OR (Width ≥ 448 mm)		
KATIA VX (Width ≥ 500 mm)	440	5991990331129
KARIN VX (Width ≥ 450 mm)		

The code nr of the chart refer to standard color R01 White - RAL 9010; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see color chart pages II and III.

HOOKS AND TOWEL BAR POLISHED STAINLESS STEEL

KIT 2 HOOKS - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.
SANDY	5991990010215

TOWEL BAR - POLISHED STAINLESS STEEL



Suitable for:	Width mm	Art. nr.
SANDY (Width ≥ 500 mm)	350	5991990010220

KIT 2 HOOKS - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.
ELEN 18 POLISHED	5991990010216
ELEN 18 WIDE polished	
GIADA 18 POLISHED	

HOOKS AND TOWEL BAR SATIN STAINLESS STEEL

KIT 2 HOOKS - SATIN STAINLESS STEEL



Suitable for:	Art. nr.
ELEN 18 satin	5991990010217
GIADA 18 satin	

TOWEL BAR - SATIN STAINLESS STEEL



Suitable for:	Width mm	Art. nr.
ELEN 18 SATIN (Width ≥ 500 mm)	350	5991990010222
GIADA 18 SATIN (Width ≥ 511 mm)		

ACCESSORIES

ARYS, accessories for Arianna Tandem radiator

design **Mariano Moroni**

Material: **painted mild steel**

TOWEL HOLDER LEFT - L. 268 mm



WHITE Art. nr. 5991990310687

ROBE HANGER LEFT- L. 61 mm



WHITE Art. nr. 5991990310685

TOWEL BAR - L. 390 mm (for Arianna tandem radiator 7 Elements)



WHITE Art. nr. 5991990310682

TOWEL HOLDER RIGHT - L. 268 mm



WHITE Art. nr. 5991990310686

ROBE HANGER RIGHT- L. 61 mm



WHITE Art. nr. 5991990310684

TOWEL BAR - L. 390 mm (for Arianna tandem radiator 9 Elements)



WHITE Art. nr. 5991990310683

For technical details see pages 302-303.

Material: **Wood**

TOWEL HOLDER LEFT - L. 268 mm



Painted support	Art. nr.
R01 Pure white	5991990500046
R02 Traffic white	5991990530010
T11 Matt white	5991990530011
F20 Milky	5991990530012

ROBE HANGER LEFT - L. 61 mm



Painted support	Art. nr.
R01 Pure white	5991990500044
R02 Traffic white	5991990530016
T11 Matt white	5991990530017
F20 Milky	5991990530018

TOWEL BAR - L. 390 mm (for Arianna tandem radiator 7 Elements)



Painted support	Art. nr.
R01 Pure white	5991990500041
R02 Traffic white	5991990530001
T11 Matt white	5991990530002
F20 Milky	5991990530003

TOWEL HOLDER RIGHT - L. 268 mm



Painted support	Art. nr.
R01 Pure white	5991990500045
R02 Traffic white	5991990530007
T11 Matt white	5991990530008
F20 Milky	5991990530009

ROBE HANGER RIGHT - L. 61 mm



Painted support	Art. nr.
R01 Pure white	5991990500043
R02 Traffic white	5991990530013
T11 Matt white	5991990530014
F20 Milky	5991990530015

TOWEL BAR - L. 390 mm (for Arianna tandem radiator 9 Elements)



Painted support	Art. nr.
R01 Pure white	5991990500042
R02 Traffic white	5991990530004
T11 Matt white	5991990530005
F20 Milky	5991990530006

For technical details see pages 304-305.

FOLDABLE TOWEL BAR

FOLDABLE TOWEL BAR IN PLEXIGLASS AND STAINLESS STEEL



Width **L** x Depth **P**	**Art. nr.**
L 370 mm x **P** 377 mm	5991990310402
L 420 mm x **P** 377 mm	5991990310403

Foldable and removable, it is suitable for towel rails in all finishing: white, colored, chromed or stainless steel finishing. It can not be used on towel rails with curved elements, Dory and Lucy Plus models. Available with Width ≥ 450 mm

WOODEN SHELVES FOR ROSY MIRROR

KIT 2 WOODEN SHELVES - 162X100 MM



Finishing	Art. nr.
White	5991990500006
Bay Oak	5991990500005
Wengé	5991990500007

for ROSY MIRROR central version

KIT 2 WOODEN SHELVES - 162X100 MM



Finishing	Art. nr.
White	5991990500009
Bay Oak	5991990500008
Wengé	5991990500010

for ROSY MIRROR lateral version

SPARE PARTS - FIXING KIT

WALL FIXING BRACKETS - TOWEL RAILS

Each kit includes: brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. **PLEASE NOTE:** fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
ANNA	5102000000268

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
CLAUDIA®	5102000000561
CLAUDIA® EL.	

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
FEDERICA	5102000000744
KELLY 5010	5102000000536
KELLY 5010 EL.	
KELLY 5010 BLOWER	

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
DORY	5102000000390
DORY EL.	
DORY BLOWER	
DARIA	
FABIANA	
GLORIA 22	
GLORIA 22 WIDE	
GLORIA 22 BLOWER	
KATIA VXn	
KATIA VX WIDE	
LUCY 18/25	
LUCY 18 EL.	
LUCY 18/25 PLUS	
LUCY 18 WIDE	
SAMIRA	
CLAUDIA® WIDE	5102000000539
NAIKE SQUARE	
NAIKE ST	

WALL FIXING BRACKETS - RADIATORS

Each kit includes: brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. **PLEASE NOTE**: fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
ALICE 18/22/25 OR	5102000000390
KARIN VX OR	
ROSY OR	

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
ALICE 18 TANDEM OR	5102000000047
ALICE 22 TANDEM OR	
ALICE 25 TANDEM OR	5102000000693
KARIN VX TANDEM OR	5102000000587
ROSY TANDEM OR	5102000000046

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
ALICE 18 VT (Valid till October 2021)	5102000000166
ALICE 18 TANDEM VT (vers. fino ad ottobre 2021)	

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
DORIANA VT/OR	5102000000004

FIXING KIT - WHITE R01



Suitable for:	Art. nr. R01
ALICE 18 VT	5102000000256
ALICE 18 TANDEM VT	
ALICE 22 VT	5102000000318
ALICE 22 TANDEM VT	
ALICE 25 VT	5102000000690
ALICE 25 TANDEM VT	
ARIANNA TANDEM	5102000000516
ROSY VT	5102000000169
ROSY TANDEM VT	
ROSY MIRROR	
KEIRA	
KEIRA TANDEM	5102000000395
ROSY MAX	
KARIN VX VT	5102000000256
KARIN VX TANDEM	

The code nr of the chart refer to standard color R01 White - RAL 9010; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see color chart pages II and III.

SPARE PARTS - FIXING KIT

POLISHED FIXING KIT

Each kit includes: brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. **PLEASE NOTE**: fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

FIXING KIT - POLISHED



Suitable for:	Art. nr.
ELEN 18 **ELEN 18 WIDE** **ELEN 22** **LEILA** **LEILA Electric** **SANDY** **ALESSANDRA** **ALESSANDRA Electric** **LAURA** **LAURA Electric**	5102000000409

FIXING KIT - POLISHED



Suitable for:	Art. nr.
GIADA 18 OR POLISHED	5102000000409

FIXING KIT - POLISHED



Suitable for:	Art. nr.
GIADA 18 VT POLISHED	5102000000748

FIXING KIT - POLISHED



Suitable for:	Art. nr.
GIADA 18 VT POLISHED (Valid till October 2021)	5102000000160

SATIN FIXING KIT

FIXING KIT - SATIN



Suitable for:	Art. nr.
ELEN 18 SATIN **GIADA 18 OR SATIN**	5102000000405

FIXING KIT - SATIN

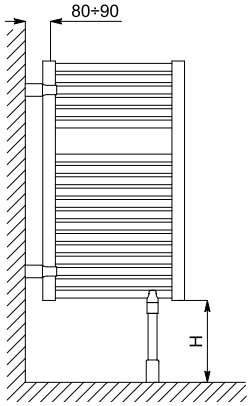


Suitable for:	Art. nr.
GIADA 18 VT SATIN	5102000000749
GIADA 18 VT SATIN (Valid till October 2021)	5102000000162

Kit includes:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice

FLOOR FIXING KIT

FLOOR FIXING KIT - WHITE R01



Suitable for:	Height H mm	Art. nr. **R01**
- CLAUDIA® **- ANNA®**	96	5102000000202
	146	5102000000203
	196	5102000000204

The code nr of the chart refer to standard color R01 White - RAL 9010; colors different from standard are supplied exclusively with the matching colored radiator. For different colors see the color chart pages II and III.

PLEASE NOTE: *Fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.*

DUAL ENERGY KIT

"WIFI" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000800	300	ø 12 x 350
5102000000801	400	ø 12 x 415
5102000000802	500	ø 12 x 450
5102000000803	600	ø 12 x 550
5102000000804	700	ø 12 x 550
5102000000805	900	ø 12 x 710
5102000000806	1000	ø 12 x 710
5102000000807	1200	ø 12 x 920



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000808	300	ø 12 x 350
5102000000809	400	ø 12 x 415
5102000000810	500	ø 12 x 450
5102000000811	600	ø 12 x 550
5102000000812	700	ø 12 x 550
5102000000813	900	ø 12 x 710
5102000000814	1000	ø 12 x 710
5102000000815	1200	ø 12 x 920

"PLUS" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000002147	300	ø 12 x 350
5102000002148	400	ø 12 x 415
5102000002149	500	ø 12 x 450
5102000002150	600	ø 12 x 550
5102000002151	700	ø 12 x 550
5102000002152	900	ø 12 x 710
5102000002163	1000	ø 12 x 710
5102000002153	1200	ø 12 x 920



DARK GREY

Art. nr.	Output [Watt]	Size [mm]
5102000002154	300	ø 12 x 350
5102000002155	400	ø 12 x 415
5102000002156	500	ø 12 x 450
5102000002157	600	ø 12 x 550
5102000002158	700	ø 12 x 550
5102000002159	900	ø 12 x 710
5102000002164	1000	ø 12 x 710
5102000002160	1200	ø 12 x 920

"TOP" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000458	300	ø 12 x 350
5102000000459	400	ø 12 x 415
5102000000460	500	ø 12 x 450
5102000000461	600	ø 12 x 550
5102000000462	700	ø 12 x 550
5102000000463	900	ø 12 x 710
5102000002165	1000	ø 12 x 710
5102000000464	1200	ø 12 x 920



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000465	300	ø 12 x 350
5102000000466	400	ø 12 x 415
5102000000467	500	ø 12 x 450
5102000000468	600	ø 12 x 550
5102000000469	700	ø 12 x 550
5102000000470	900	ø 12 x 710
5102000002166	1000	ø 12 x 710
5102000000471	1200	ø 12 x 920

"ECO DESIGN" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000638	300	ø 12 x 350
5102000000639	400	ø 12 x 415
5102000000640	500	ø 12 x 450
5102000000641	600	ø 12 x 550
5102000000642	700	ø 12 x 550
5102000000643	900	ø 12 x 710
5102000002167	1000	ø 12 x 710
5102000000644	1200	ø 12 x 920



BLACK

Art. nr.	Output [Watt]	Size [mm]
5102000001118	300	ø 12 x 350
5102000001119	400	ø 12 x 415
5102000001120	500	ø 12 x 450
5102000001121	600	ø 12 x 550
5102000001122	700	ø 12 x 550
5102000001123	900	ø 12 x 710
5102000001125	1000	ø 12 x 710
5102000001124	1200	ø 12 x 920



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000645	300	ø 12 x 350
5102000000646	400	ø 12 x 415
5102000000647	500	ø 12 x 450
5102000000648	600	ø 12 x 550
5102000000649	700	ø 12 x 550
5102000000650	900	ø 12 x 710
5102000002168	1000	ø 12 x 710
5102000000651	1200	ø 12 x 920

- 1 electric resistance with digital white thermostat, classe 1, class 1, ingress protection IP44 available from 300W up to 1200W V230. - White or grey power cable and Schuko plug included.
- 2 "T" polished connections of 1"1/2
- 1 nickeled brass with O-Ring 1/2 gas M
- User notice

REMOTE CONTROLS INCLUDED (OPTIONAL FOR MIXED OPERATION KIT)

"PLUS" THERMOSTAT REMOTE CONTROL IR



Suitable for:	Art. nr.
CLAUDIA®, LUCY 18, DORY, KELLY 5010, FEDERICA DX, FEDERICA SX	5150990000012

Remote control of PLUS digital chrono-thermostat functioning

"TOP" THERMOSTAT REMOTE CONTROL



Suitable for:	Art. nr.
ARDESIA® AND MIXED KITS	5150990000002

Remote control of TOP digital chrono-thermostat functioning

DUAL ENERGY KIT

"ECO DESIGN" DIGITAL THERMOSTAT KIT + COMBI VALVES



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000652	300	ø 12 x 350
5102000000653	400	ø 12 x 415
5102000000654	500	ø 12 x 450
5102000000655	600	ø 12 x 550
5102000000656	700	ø 12 x 550
5102000000657	900	ø 12 x 710
5102000002172	1000	ø 12 x 710
5102000000658	1200	ø 12 x 920

"TOP" DIGITAL THERMOSTAT KIT + COMBI VALVES



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000573	300	ø 12 x 350
5102000000574	400	ø 12 x 415
5102000000575	500	ø 12 x 450
5102000000576	600	ø 12 x 550
5102000000577	700	ø 12 x 550
5102000000578	900	ø 12 x 710
5102000002171	1000	ø 12 x 710
5102000000579	1200	ø 12 x 920

"WiFi" DIGITAL THERMOSTAT KIT + COMBI VALVES



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000816	300	ø 12 x 350
5102000000817	400	ø 12 x 415
5102000000818	500	ø 12 x 450
5102000000819	600	ø 12 x 550
5102000000820	700	ø 12 x 550
5102000000821	900	ø 12 x 710
5102000000822	1000	ø 12 x 710
5102000000823	1200	ø 12 x 920

"WiFi" DIGITAL THERMOSTAT KIT + COMBI VALVES



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000824	300	ø 12 x 350
5102000000825	400	ø 12 x 415
5102000000826	500	ø 12 x 450
5102000000827	600	ø 12 x 550
5102000000828	700	ø 12 x 550
5102000000829	900	ø 12 x 710
5102000000830	1000	ø 12 x 710
5102000000831	1200	ø 12 x 920

- 1 electric resistance with digital white or chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included
- Chromed Combi kit valve - fittings for copper or multilayer pipes included
- User notice

REMOTE CONTROL OPTIONAL

REMOTE CONTROL FOR **"BLOWER"** RADIATORS



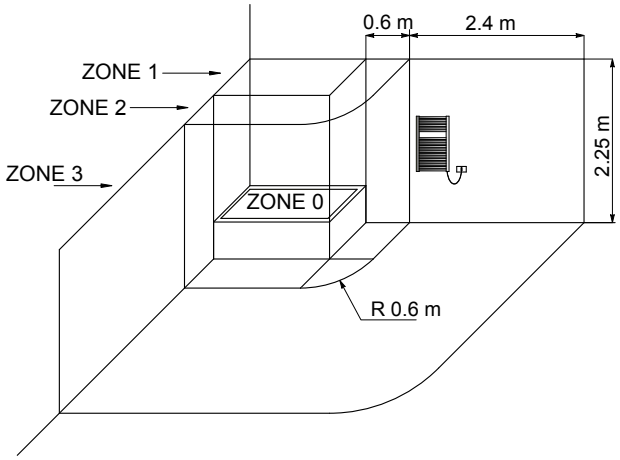
Suitable for:	Art. nr.
BLOWER RADIATORS	5150990000011

Remote control of ventilated functioning

DUAL ENERGY KIT

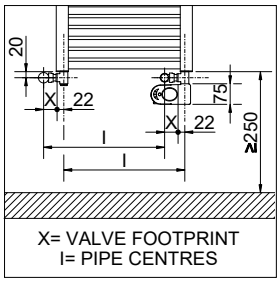


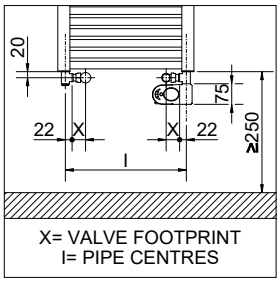
INSTALLATION REQUIREMENTS



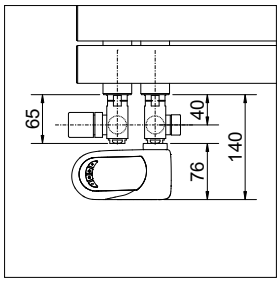
The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

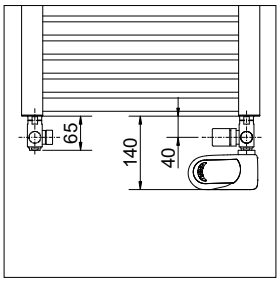
STANDARD CONNECTION





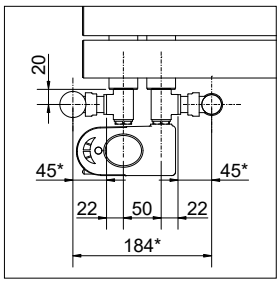
COMBI VALVES KIT CONNECTION





The combination kit with COMBI valves is the ideal solution for asymmetric models such as KELLY 5010.
This type of valve allows to keep unchanged the center distance of the hot water pipes.

KELLY 5010 MODELS CONNECTION



RANGE OF DIGITAL THERMOSTATS

WIFI DIGITAL THERMOSTAT

With Cordivari WiFi thermostats it's possible to customize the heating of each room with a single account by connecting each radiator to the home WiFi network.
The system allows you to manage each towel rail individually or to create groups of thermostats.
Through the app, available for iOS and Android, it's possible to control and set the temperature, set and program the bands and operating modes, keep all the setting parameters of each radiator or group under control.
The application also allows the monitoring of the daily graphs of the temperature set for each mode and of the temperature detected in the room.
All simply through the account to be created at the first connection.
The system supports 2,4GHz networks.

WiFi thermostat size: ***131 mm x 76 mm x 42 mm.***

Available on the App Store GET IT ON Google play



WHITE: on color radiators R01 White, R02 Traffic White, T11 Matt White and F20 Milky.



CHROMED: on all other colors.

PLUS DIGITAL THERMOSTAT

Digital thermostat with white backlighting, integrated programming, open window sensor and energy consumption indicator in kWh.
MAIN FUNCTIONS
- Room temperature regulation
- Setting of the desired temperature
- Power on / heating in standby
- Selection of operating modes
- Fast heating thanks to the Boost function: this mode allows to increase the temperature in the shortest possible time. This function can be activated for a duration ranging from 10 to 90 minutes at intervals of 5 minutes.
- 6 integrated programs: AUTO (Programming), BOOST, COMFORT, ECO, ANTIFREEZE, STAND-BY HEATING
- Energy consumption meter: automatic indicator of new energy consumption according to the desired temperature

Energy consumption indicator in kWh: estimated consumption in kWh in the last 24 hours or from the last reset of the meter.
Open window sensor: Automatic switch to antifreeze mode when a significant temperature drop is detected during room ventilation.
PROGRAMMING
- 5 different programming profiles for each day of the week: P1, P2, P3, Comfort, Eco
- Customization of programs P1, P2, P3
- Manual and temporary modification of a running program

HELP FOR PARTIALLY SIGHTED USERS
- On / off button in relief to be easily identifiable by touch
- Acoustic signals that indicate the transition from the standby function to an active mode

SAFETY
- Keypad lock for child safety
- Safety settings:
- limitation of the set temperature range (min. and max.) Backup in case of mains power failure:
- Over-temperature protection in Boost mode

PLUS thermostat size: ***120 mm x 80 mm x 38 mm.***



WHITE: on color radiators R01 White, R02 Traffic White, T11 Matt White and F20 Milky.



DARK GREY: on all other colors.

TOP DIGITAL THERMOSTAT

MAIN CHARACTERISTICS AND OPERATION MODALITIES
- CRONO: function of chrono-thermostat with daily or weekly programming with two temperature levels (Comfort/Eco)
- COMFORT: Possibility of setting your own desired temperature for time slot for higher comfort
- ECO: Possibility of keeping the temperature constant with lower power consumption. Useful for energy saving when the room is not occupied.
- ANTI-FREEZE: Useful if the room is not used for longer periods
- TIMER/FORCED MARCH: Useful to heat rapidly the room and dry towels thanks to 2h of forced march at max. Power.
- CHILD SAFETY LOCK: special purpose lock of the display panel so to avoid any accidental alteration
- REMOTE CONTROL (optional):The digital thermostat is equipped with an infrared remote control useful to manage all the aforementioned functions.
- Wide display screen: optimum readability thanks to the backlight
- Ingress protection: IP44
- Protection class: 1
- Operating temperature: from -10°C to +40°C
- Setpoint temperature: from +7°C to +32°C
- Voltage: 230 V / 50 Hz

TOP thermostat size: ***131 mm x 76 mm x 42 mm.***



WHITE: on color radiators R01 White, R02 Traffic White, T11 Matt White and F20 Milky.



CHROMED: on all other colors.

ECO DESIGN DIGITAL THERMOSTAT

MAIN CHARACTERISTICS AND OPERATION MODALITIES
- CRONO: daily and weekly program with two temperature levels (COMFORT and ECO).
- COMFORT: programmed desired temperature for the comfort time bands.
- ECO: programmed desired temperature for lower consumption time bands. Useful during the night or when the radiator is not exploited.
- ANTIFREEZE: protection mode for the radiator in case of long period of inactivity.
- FORCED MARCH: maximum power mode for 2 hours in order to rapidly reach the comfort temperature.
- SAFETY: opening window sensor. Children's safety guaranteed thanks to the lock out system, which avoids any accidental modification of the set program.
- Wide LCD screen
- Minimum class protection IP 44
- Class I
- Operational temperature conditions: from -10° C to +40° C
- Settable temperature range: from +7° C to +32° C
- Voltage: 230 V / 50 Hz

ECO DESIGN thermostat size: ***131 mm x 76 mm x 42 mm.***



WHITE: on color radiators R01 White, R02 Traffic White, T11 Matt White and F20 Milky.



NERO: on color radiators R13 Jet Black e T01 Matt Black.

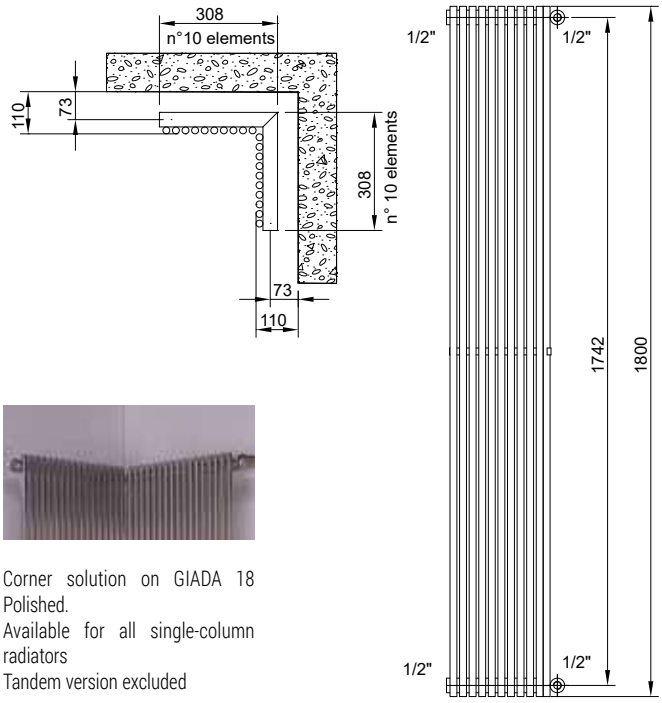


CHROMED: on all other colors.

SPECIAL EXECUTIONS

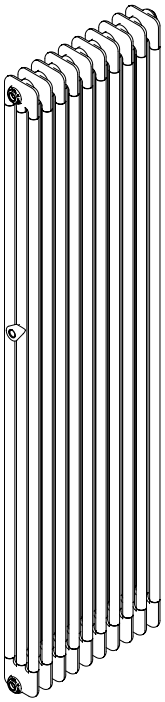
To satisfy increasingly changing market needs, Cordivari has a well experienced and important technical department for "bespoke solutions". Radiators with measures, connections and technical solutions not covered by the catalogue can be developed to customise special requests.

"CORNER" SOLUTION

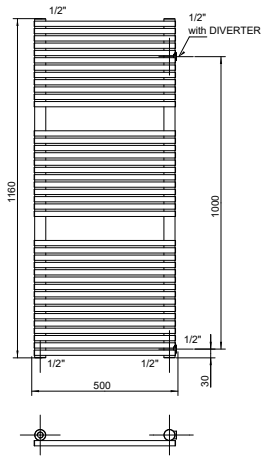


Corner solution on GIADA 18 Polished.
Available for all single-column radiators
Tandem version excluded

LATERAL CONNECTIONS



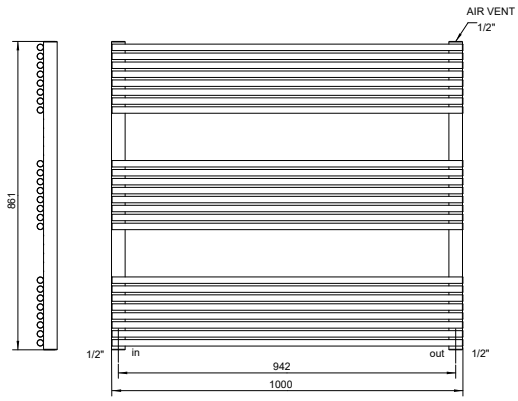
LATERAL CONNECTIONS



Lateral connections with 1000 mm pipes centres shown onELEN 18 Polished model

Available for all towel rails.

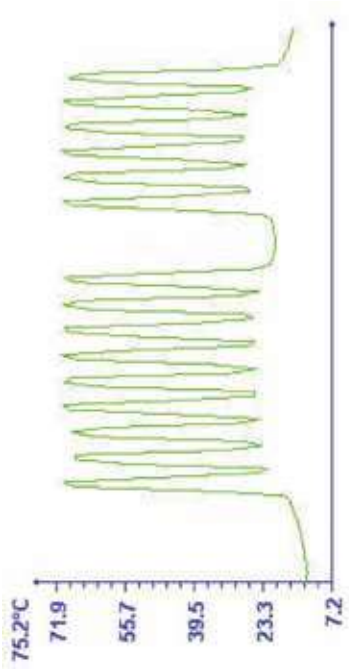
CUSTOMISED POSITIONING OF RADIANTS

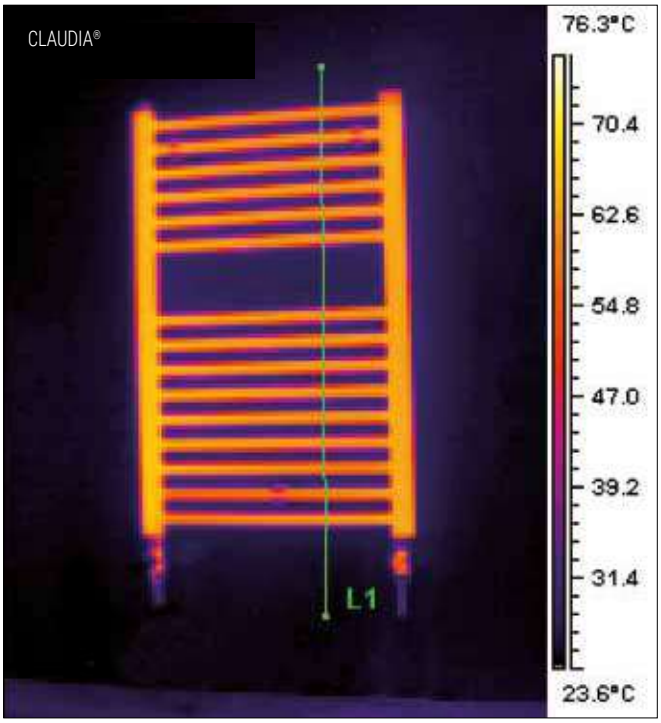


Customised realization of ALICE 18 horizontal model with "rhythmic" radiants.

THERMOGRAFIC ANALYSIS

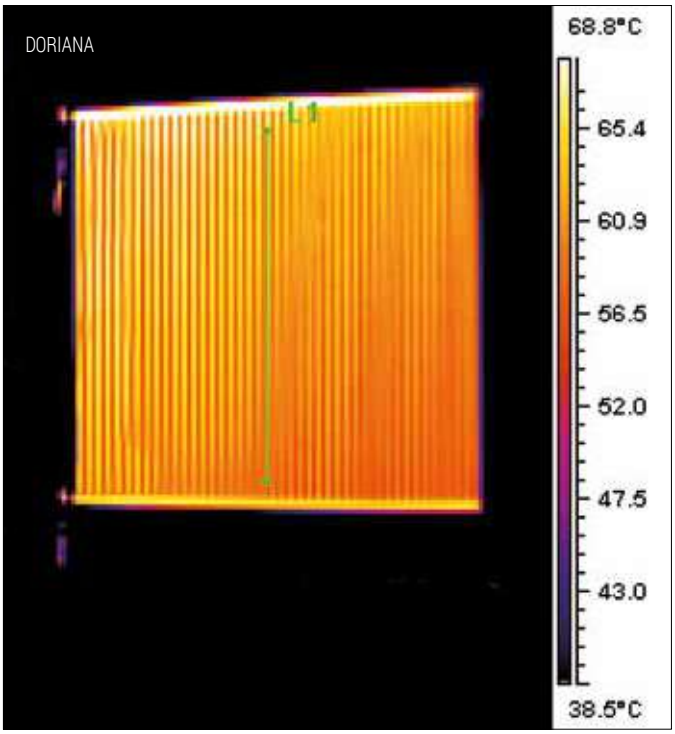
Examples of thermografic analysis for CLAUDIA® and DORIANA models are showed in below graphics.





THERMOGRAFIC ANALYSIS FOR CLAUDIA® RADIATOR
The image shows a Claudia® radiator exposed to thermografic anlysis in our laboratories.
It is easy to notice that the temperature is distributed homogenously as is also shown on the right grafic presenting the numeric values of the superficial temperature observed in line L1.



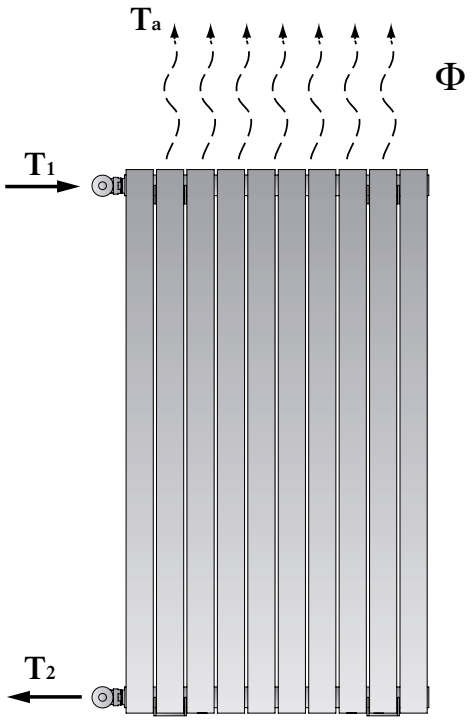


THERMOGRAFIC ANALYSIS FOR DORIANA RADIATOR
The image shows a Doriana radiator variant V3 exposed to thermografic anlysis in our laboratories.
It is easy to notice that the temperature is distributed homogenously as is also shown on the right grafic presenting the regular lowering of temperature in the radiant from top to bottom consequence of the heat transferred to the room.

TECHNICAL FORMULAS FOR PROFESSIONALS

THERMAL OUTPUT

The power of a radiator to exchange heating in the room where it is installed depends on many factors: shape, size, installation type and so on, and from a pure technical point of view, from the difference between its temperature and the air temperature around it.
It is known in physics that heating is transmitted spontaneously from a hot body to a cold body and this heating transmission is as big as the difference in temperature between the two bodies. In order to have comparable data between radiators thermal output, it is necessary to established the difference in temperature between the radiator and the environment in which it has been fitted. On this regard, EN 442 European directive refers to the temperature difference between the average hot water temperature inside the radiator and the room temperature where the radiator is fitted.



T_1 = delivery tempeature

T_2 = back flow temperature

T_a = environment temperature

$$\Delta T = \left(\frac{T_1+T_2}{2}\right) - T_a$$

As example, if:

T_1 = **75°C**

T_2 = **65°C**

T_a = **20°C**

$$\Delta T = \left(\frac{75+65}{2}\right) - 20 = 50°C$$

ΔT it is established at 50°C and the radiator thermal output has to be determined by authorised laboratories according standard procedures, defined by the European directive. As a consequence:

$$\Phi = K_M * \Delta T^n \quad [W]$$

That it is called "Heating Body Typical Equation". Such equation allow to calculate the radiator thermal output according to whatever ΔT In such cases, the radiator thermal output at a different ΔT than 50°C, it is calculated as follows:

$$\Phi_{\Delta T} = K_M * \Delta T^n \qquad \Phi_{\Delta T} = \frac{\Phi_{50}}{50^n} * \Delta T^n$$

To be precise, the directive states that it is necessary to refer to the arithmetic temperature difference (the ΔT defined previously) if as it happens in most cases the relation:

$$\mu = \frac{T_2 - T_a}{T_1 - T_a}$$

It is bigger or equal to 0.7. If the radiator is functioning with low water temperature or big temperature drops, the relations μ is lower than 0.7. In this case, it is necessary to change to the above stated relation the"temperature arithmetic difference" with the "temperature logarithmic difference", defined below:

$$\Delta T = \left(\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}}\right)$$

Example
If the nominal thermal output of one radiator stated in the catalogue is: $\Phi = 430[W] = 369{,}8[KCal/h]$

and typical equation defined as: $\Phi = 3{,}2967 * \Delta T^{1{,}2451}$

and if we assume to make the radiator functioning at ΔT=60 C° we obtain: $\Phi = 3{,}2967 * 60^{1{,}2451} = 539{,}6[W] \Rightarrow 539{,}6 * 0{,}860 = 464[KCal/h]$

It is possible to state then, that going from ΔT=50 to ΔT=60 the radiator thermal output rise of 25,5%.
If we think to make functioning the same radiator according to the below conditions:

T_1=55 °C T_2=35 °C T_a=20 °C

$$\mu = \frac{35-20}{55-20} = 0{,}429 < 0{,}7 \quad \text{et} \quad \Delta T = \left[\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}} \right] = \left[\frac{55-35}{\ln \frac{55-20}{35-20}} \right] = 23{,}6\ °C$$

Applying the above procedure, the thermal output ΔT 23,6 °C it is equal to:

$$\Phi = 3{,}2967 * 23{,}6^{1{,}2451} = 168{,}8[W] \Rightarrow 168{,}8 * 0{,}860 = 142{,}2[KCal/h]$$

We remind that in order to have the thermal output express in Kcal/h, it is necessary to multiply the value in Watt x 0.860.

CALCULATION OF THERMAL OUTPUT WITH DELTA T DIFFERENT FROM 50 °C

To calculate the thermal output in Watt (**W**) with Δt different form 50 °C (**Δt_x**) you can use the following formula: **$W_{\Delta tx} = W_{\Delta t50} \cdot (\Delta t_x / \Delta t_{50})^n$**

E.g.: to calculate the thermal output in Watt with **Δt 30** for model ROSY Vertical **L 560 mm - H 1600 (that develops 1020 Watt with Exp. n 1,2854)**:
$W_{\Delta t30} = 1020 \cdot (30/50)^{1.2854} = 529$ Watt

MAXIMUM FLEXIBILITY WITH CORDIVARI RADIATORS

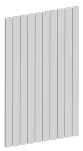
Cordivari radiators range offers many solutions for every need. The following example shows how ROSY Vertical – ROSY TANDEM Vertical – ROSY MAX can satisfy the same need of around 1500 watt thermal output.

T_1 = Temperature of inlet water

T_2 = Temperature of outlet water

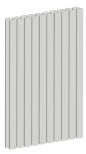
T_A = Room temperature

Height [mm]	Width [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**50 °C**	1482	75 °C	65 °C	20 °C



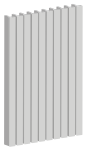
ROSY VT
(H 1800 x L 728)

Height [mm]	Width [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**40 °C**	1591	65 °C	55 °C	20 °C



ROSY TANDEM VT
(H 1800 x L 728)

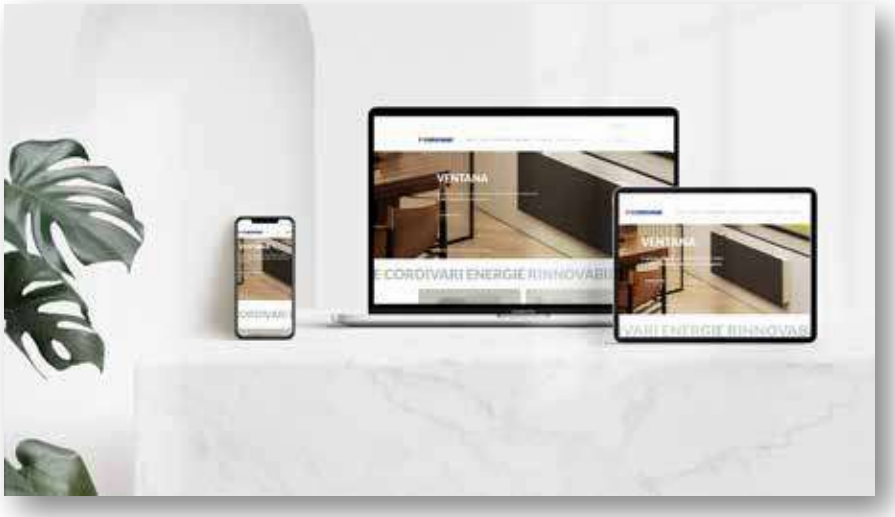
Height [mm]	Width [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**30 °C**	1690	55 °C	45 °C	20 °C



ROSY MAX
(H 1800 x L 728)

NOTE: Above data are indicative and can vary in accordance to the type of installation, energy source and market practice.

OUR WEBSITE CORDIVARI.COM



http://www.cordivari.com

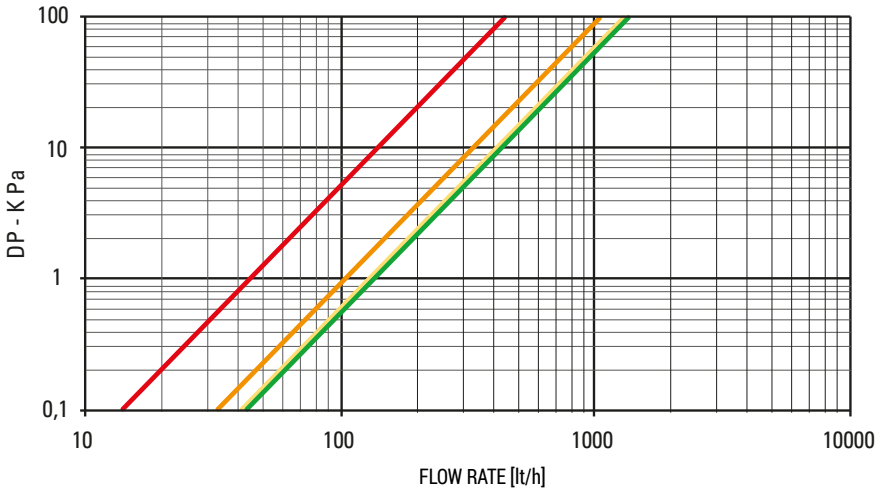
DOWNLOAD AREA

- PDF CATALOGS & BROCHURES
- TECHNICAL SHEETS
- 3D & BIM MODELS
- USER MANUALS & INSTRUCTIONS
- DECLARATIONS FOR INCENTIVES
- CERTIFICATES & TEST RESULTS

KRISTAL VALVE FLOW RESISTANCE

The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.

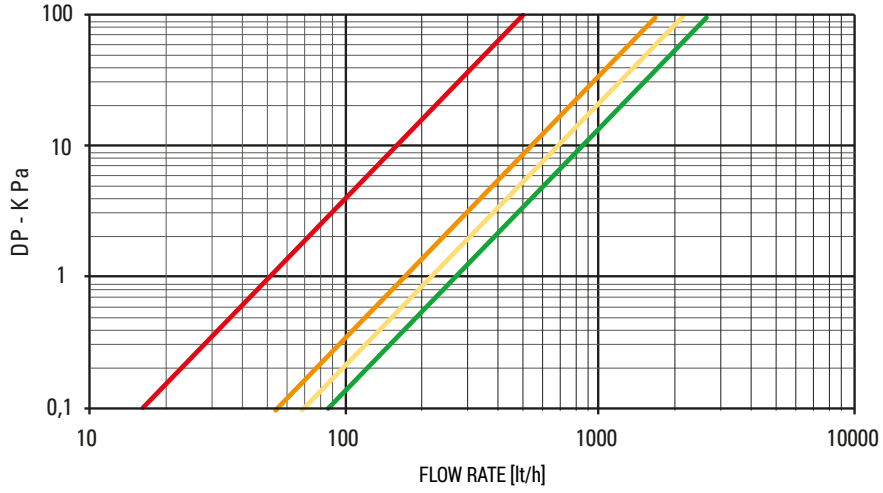


VALVE KRISTAL STRAIGHT
PIPE CENTRES 50 MM

- 1/2 TURN - KV 0,44
- 1 TURN - KV 1,04
- 1 1/2 TURN - KV 1,28
- OPEN - KV 1,31



MANUAL
PIPE CENTRES 50 MM
STRAIGHT



VALVE KRISTAL
MANUAL PIPE CENTRES 50 ANGLED

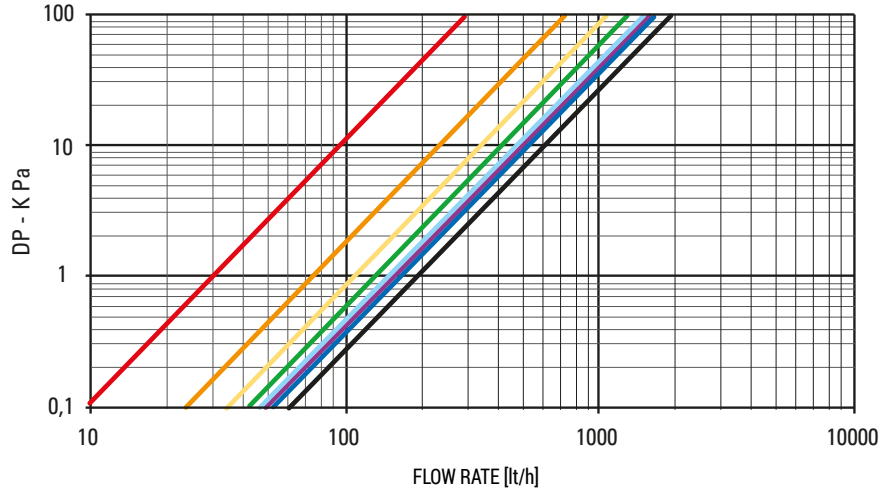
- 1/2 TURN - Kv 0,30
- 1 TURN - Kv 0,68
- 1 1/2 TURN - Kv 0,95
- OPEN - Kv 1,14



MANUAL
PIPE CENTRES 50 MM
ANGLED

The different colored line indicate different opening levels of the thermostatic head.

KRISTAL VALVE FLOW RESISTANCE

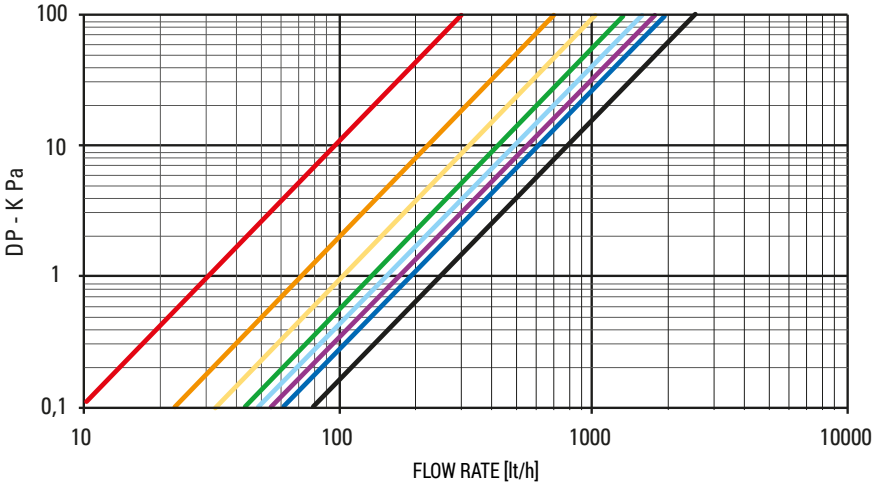


VALVE KRISTAL
THERMOSTATIC PIPE CENTRES 50 MM
STRAIGHT

- SP1 - Kv 0,30
- SP2 - Kv 0,73
- SP3 - Kv 1,07
- SP4 - Kv 1,30
- SP5 - Kv 1,45
- SP6 - Kv 1,54
- SP7 - Kv 1,60
- MAX - Kv 1,85



MANUAL
PIPE CENTRES 50 MM
STRAIGHT



VALVE KRISTAL THERMOSTATIC PIPE CENTRES 50 MM
ANGLED

- SP1 - Kv 0,30
- SP2 - Kv 0,70
- SP3 - Kv 1,03
- SP4 - Kv 1,31
- SP5 - Kv 1,56
- SP6 - Kv 1,76
- SP7 - Kv 1,90
- MAX - Kv 2,50



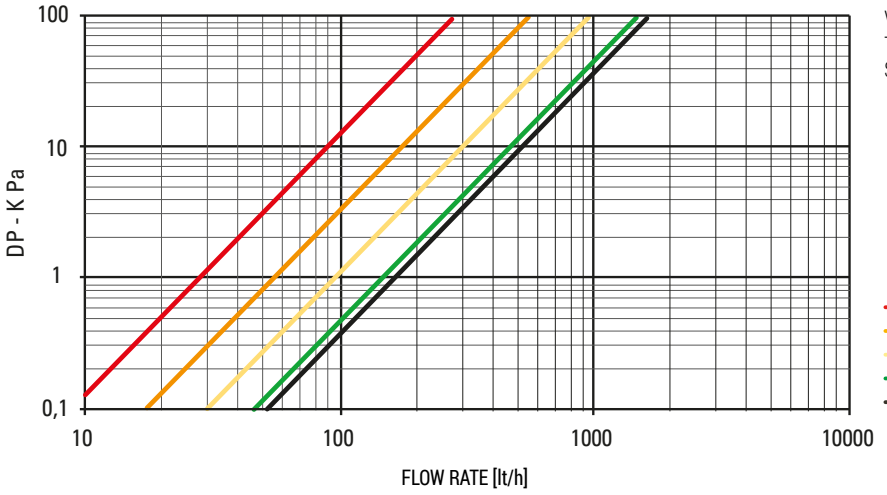
THERMOSTATIC PIPE
CENTRES 50 MM
ANGLED

The different colored line indicate different opening levels of the thermostatic head.

KRISTAL VALVE FLOW RESISTANCE

The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.

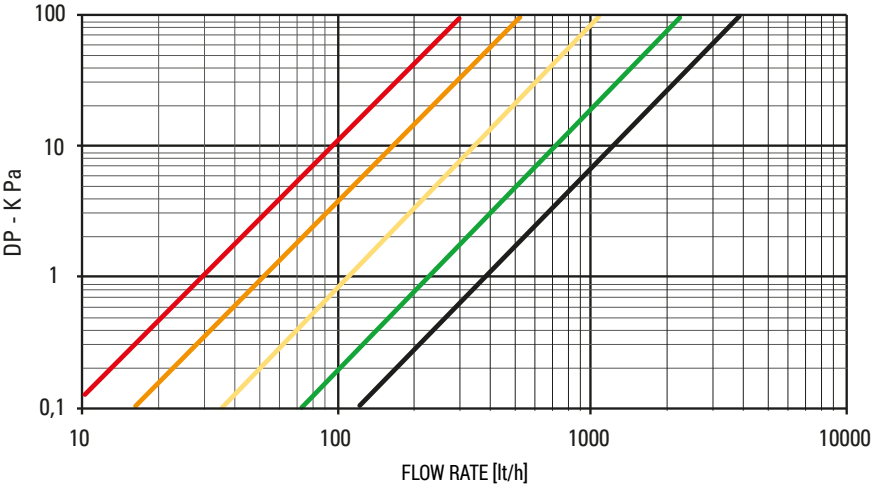


VALVE KRISTAL
THERMOSTATIC
STRAIGHT

- 1/4 TURN - Kv 0,27
- 1/2 TURN - Kv 0,53
- 1 TURN - Kv 0,93
- 2 TURNS - Kv 1,43
- OPEN - Kv 1,56



THERMOSTATIC
STRAIGHT



VALVE KRISTAL
THERMOSTATIC
ANGLED

- 1/4 TURN - Kv 0,30
- 1/2 TURN - Kv 0,52
- 1 TURN - Kv 1,07
- 2 TURNS - Kv 2,2
- OPEN - Kv 3,89

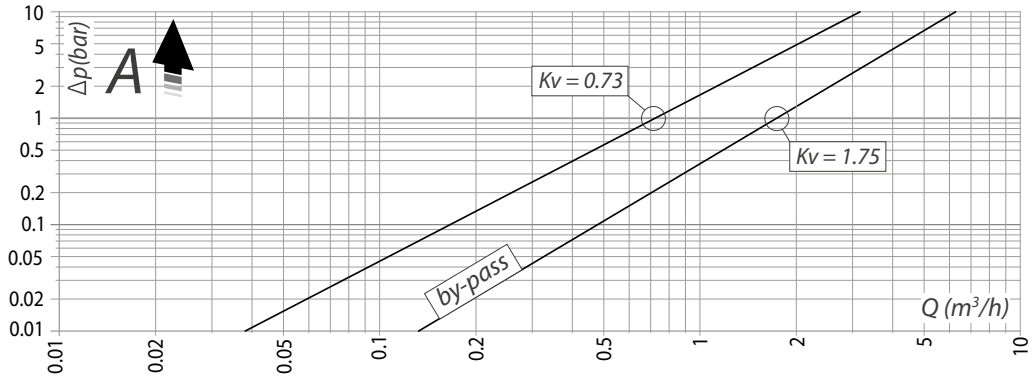


THERMOSTATIC
ANGLED

BIDIRECTIONAL VALVE FLOW RESISTANCE

The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.

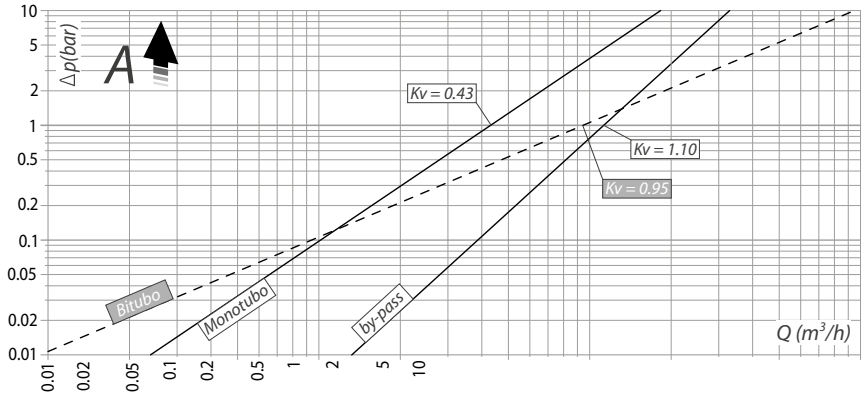




VALVE BIDIRECTIONAL
UNDERNEATH INLET



VALVE BIDIRECTIONAL
ANGLED





VALVE BIDIRECTIONAL
LATERAL INLET

PRODUCT CERTIFICATES



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGIA
Laboratorio Misure Ricerche Termotecniche M.R.T.

Data / date / datum / Fecha:	14 marzo 2016
Richiedente/ Demandeur/ Applicant/ Antragsteller/ Peticionario :	CORDIVARI S.r.l. CORDIVARI S.r.l. Zona Industriale Pagliare 64020 - Morro D'Oro (TE) - Italy
Marchio di fabbrica/ Appelation commerciale du constructeur/ Manufacturer trademark/ Handelsbezeichnung des Herstellers :	CORDIVARI
Gamma / Gamme / Type / Modellreihe/ Gama:	ANNA
Materiale/ Matériau/ Material/ Werkstoff/ Material:	Acciaio
Verniciatura/ Peinture/ Painting/ Anstrich/ Pintura:	Bianco RAL



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGIA
Laboratorio Misure Ricerche Termotecniche M.R.T.

NORMA EUROPEA EN 442:2014
RISULTATI DI PROVA - RESULTATS D'ESSAIS - TEST RESULTS - PRÜFUNGEN - RESULTADOS

Data	12 marzo 2015
Richiedente	CORDIVARI S.r.l. Zona Industriale Pagliare 64020 - Morro D'Oro (TE) Italy
Marchio di fabbrica	CORDIVARI
Gamma	ARIANNA
Materiale	Acciaio
Verniciatura	Bianco RAL



NORMA/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Massima pressione di esercizio/ Maximum working pressure/ Maximum Betriebsdruck/ Máxima presión de funcionamiento	kPa	800	
Prova di tenuta/ Essai d'étanchéité/ Leak test/ Dichtheitsprüfung/ Prueba de escape : (EN 442-1 / § 5.2)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck/ Presión de Prueba	kPa	1040	
Tenuta/ Etanchéité/ Tightness/ Dichtheit/ Resultado			OK
Prova di resistenza/ Epreuve de résistance/ Strength pressure testing/ Prüfung der Druckfestigkeit/ Prueba de resistencia : (EN 442-1 / § 5.3)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck	kPa	1560	
Tenuta alla pressione/ Tenue à la pression/ Behavior to pressure/ Druckfestigkeit/ Comportamiento a la presión			OK

Il Responsabile della Prova
P.I. Claudio Turini



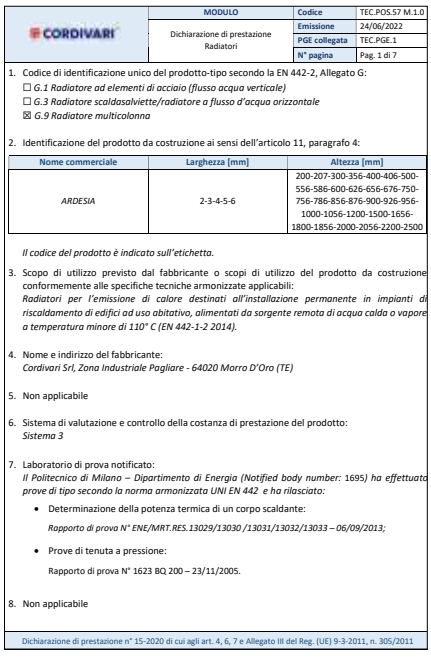
NORMA/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Determination de la puissance thermique d'un corps de chauffe / Determination of the heat output of a heating emitter / Bestimmung der Wärmeleistung eines Heizkörpers/ Prueba termica de un aparato de calefacción.

Corps scellé / Appareil de chauffage/Heating appliance/Heizkörper/ Aparato de Calefacción

Risultati della prova / Résultats de l'essai / Test results / Ergebnisse/ Resultados de la prueba

Puissance Nominale (ΔT=50 K) del modello provato: 477 W



CORDIVARI

MODULO		Codice	TEC.POS.57 M.1.0
	Dichiarazione di prestazione Radiatori	Emissione	24/06/2022
		PGE collegata	TEC.PGE.1
		N° pagina	Pag. 1 di 7

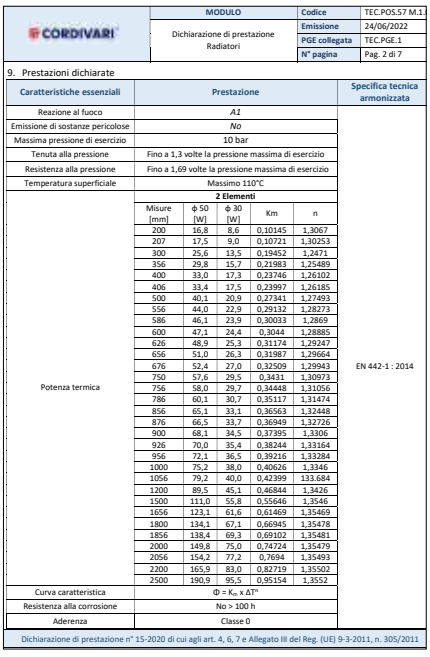
1. Codice di identificazione unico del prodotto-tipo secondo la EN 442-2, Allegato G:
   - ☐ *G.1 Radiatore ad elementi di acciaio (flusso acqua verticale)*
   - ☐ *G.3 Radiatore scaldasalviette/radiatore a flusso d'acqua orizzontale*
   - ☒ *G.9 Radiatore multicolonna*
2. Identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:

Nome commerciale	Larghezza [mm]	Altezza [mm]
ARDESIA	2-3-4-5-6	200-207-300-356-400-406-500-556-586-600-626-656-676-750-756-786-856-876-900-926-956-1000-1056-1200-1500-1656-1800-1856-2000-2056-2200-2500

Il codice del prodotto è indicato sull'etichetta.

3. Scopo di utilizzo previsto dal fabbricante o scopi di utilizzo del prodotto da costruzione conformemente alle specifiche tecniche armonizzate applicabili:
   Radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 110° C (EN 442-1-2 2014).
4. Nome e indirizzo del fabbricante:
   Cordivari Srl, Zona Industriale Pagliare - 64020 Morro D'Oro (TE)
5. Non applicabile
6. Sistema di valutazione e controllo della costanza di prestazione del prodotto:
   Sistema 3
7. Laboratorio di prova notificato:
   Il Politecnico di Milano – Dipartimento di Energia (Notified body number: 1695) ha effettuato prove di tipo secondo la norma armonizzata UNI EN 442 e ha rilasciato:
   - Determinazione della potenza termica di un corpo scaldante:
     Rapporto di prova N° ENE/MRT.RES.13029/13030 /13031/13032/13033 – 06/09/2013;
   - Prove di tenuta a pressione:
     Rapporto di prova N° 1623 BQ 200 – 23/11/2005.
8. Non applicabile

Dichiarazione di prestazione n° 15-2020 di cui agli art. 4, 6, 7 e Allegato III del Reg. (UE) 9-3-2011, n. 305/2011



CORDIVARI

MODULO		Codice	TEC.POS.57 M.1
	Dichiarazione di prestazione Radiatori	Emissione	24/06/2022
		PGE collegata	TEC.PGE.1
		N° pagina	Pag. 2 di 7

9. Prestazioni dichiarate

Caratteristiche essenziali	Prestazione					Specifica tecnica armonizzata
Reazione al fuoco	A1					EN 442-1 : 2014
Emissione di sostanze pericolose	No					
Massima pressione di esercizio	10 bar					
Tenuta alla pressione	Fino a 1,3 volte la pressione massima di esercizio					
Resistenza alla pressione	Fino a 1,69 volte la pressione massima di esercizio					
Temperatura superficiale	Massimo 110°C					
Potenza termica	2 Elementi					
	Misure [mm]	ϕ 50 [W]	ϕ 30 [W]	Km	n	
	200	16,8	8,6	0,10145	1,3067	
	207	17,5	9,0	0,10721	1,30253	
	300	25,6	13,5	0,19452	1,2471	
	356	29,8	15,7	0,21983	1,25489	
	400	33,0	17,3	0,23746	1,26102	
	406	33,4	17,5	0,23997	1,26185	
	500	40,1	20,9	0,27341	1,27493	
	556	44,0	22,9	0,29132	1,28273	
	586	46,1	23,9	0,30033	1,2869	
	600	47,1	24,4	0,3044	1,28885	
	626	48,9	25,3	0,31174	1,29247	
	656	51,0	26,3	0,31987	1,29664	
	676	52,4	27,0	0,32509	1,29943	
	750	57,6	29,5	0,3431	1,30973	
	756	58,0	29,7	0,34448	1,31056	
	786	60,1	30,7	0,35117	1,31474	
	856	65,1	33,1	0,36563	1,32448	
	876	66,5	33,7	0,36949	1,32726	
	900	68,1	34,5	0,37395	1,3306	
	926	70,0	35,4	0,38244	1,33164	
	956	72,1	36,5	0,39216	1,33284	
	1000	75,2	38,0	0,40626	1,3346	
	1056	79,2	40,0	0,42399	133.684	
	1200	89,5	45,1	0,46844	1,3426	
	1500	111,0	55,8	0,55646	1,3546	
	1656	123,1	61,6	0,61469	1,35469	
	1800	134,1	67,1	0,66945	1,35478	
	1856	138,4	69,3	0,69102	1,35481	
	2000	149,8	75,0	0,74724	1,35479	
	2056	154,2	77,2	0,7694	1,35493	
	2200	165,9	83,0	0,82719	1,35502	
	2500	190,9	95,5	0,95154	1,3552	
Curva caratteristica	$\Phi = K_m \times \Delta T^n$					
Resistenza alla corrosione	No > 100 h					
Aderenza	Classe 0					

Dichiarazione di prestazione n° 15-2020 di cui agli art. 4, 6, 7 e Allegato III del Reg. (UE) 9-3-2011, n. 305/2011

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of working pressure and working temperature according to the standard EN 442-1 and EN 442-2.

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011 (CPR)

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011 (CPR)

PRODUCT CERTIFICATES



TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.



TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.



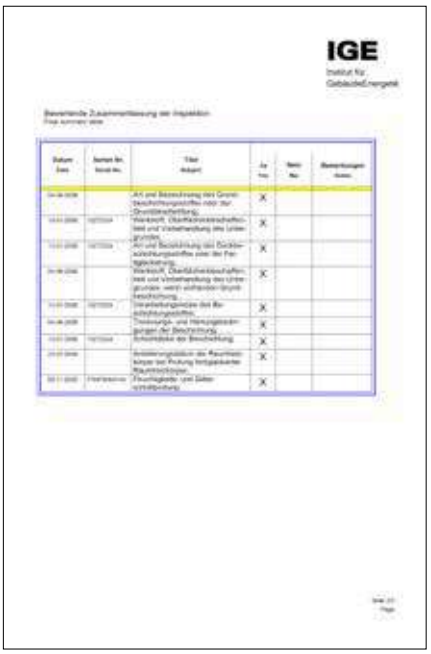
TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.

CERTIFIED PAINTING PROCESS ACCORDING TO DIN 55900-1, -2







CERTIFICATE OF CONFORMITY

Certification by the HLK laboratory (University of Stuttgart) to DIN 55900-1, 55900-2.

PRODUCT CERTIFICATES

05

Examples of tests conducted at the laboratories of Politecnico di Milano and CETIAT, certification and declaration of CE conformity.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA

NORMA/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

RAPPORTI DI PROVA/ RAPPORTS D'ESSAI/ TESTS REPORT/ PRÜFBERICHT/ INFORMES DE PRUEBA

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA

NORMA/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Corpo scaldante/ Appareil de chauffage/Heating appliance/Heizkörper/ Aparato de Calefacción

Potenza Nominale (ΔT=50 K) del modello provato: 477 W

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



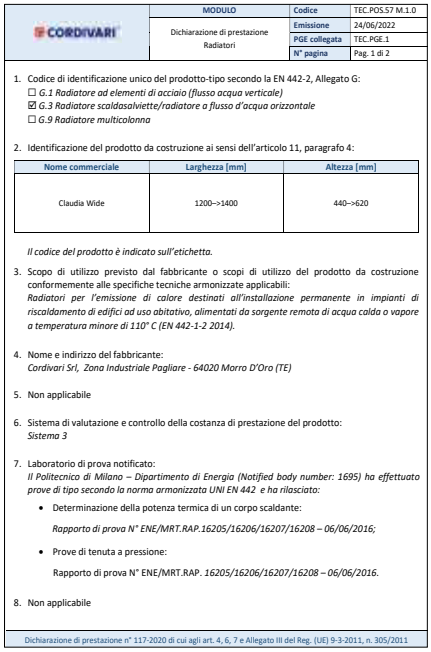
POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA

NORMA/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Massima pressione d'esercizio/ Pression de service maximale/ Maximum working pressure/ Maximum Betriebsdruck/ Máxima presión de funcionamento	kPa	800	
Prova di tenuta/ Essai d'étanchéité/ Leak test/ Dichtheitsprüfung/ Prueba de escape (EN 442-1 / § 5.2)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck/ Presión de Prueba	kPa	1040	
Tenuta/ Etanchéité/ Tightness/ Dichtheit/ Resultado			OK
Prova di resistenza/ Epreuve de résistance/ Strenght pressure testing/ Prüfung der druckfestigkeit/ Prueba de resistencia (EN 442-1 / § 5.3)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck	kPa	1365	
Tenuta alla pressione/ Tenue à la pression/ Behavior to pressure/ Druckfestigkeit/ Comportamiento a la presión			OK
Controllo dimensionale/ Contrôles dimensionels/Dimensional controls/ Maschinenprüfung/Prueba Dimensionales controles (§ 5.4/5.5 / § 5.4.1)			
Conformità dell'apparecchio alle prove del disegno/ Conformité de l'appareil testé par rapport aux autres/ Conformity of test sample with regard to drawings/ Konformität des Messmusters zu Bezug auf die Zeichnungen/ Conformidad de la muestra de la prueba con respecto a gráficos			OK
Conformità dei disegni alle richieste di calcolo/ Conformité des plans par rapport aux valeurs de calcul/ Conformity of drawings with regard to calculation values/ Übereinstimmung der Zeichnungen mit den Berechnungswerten/ Conformidad de gráficos con respecto a valores de cálculo			OK

TEST REPORT FROM MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



CORDIVARI

MODULO	Codice	TEC.POS.57 M.1.0
Dichiarazione di prestazione Radiatori	Emissione	24/06/2022
	PGE collegata	TEC.PGE.1
	N° pagina	Pag. 1 di 2

1. Codice di identificazione unico del prodotto-tipo secondo la EN 442-2, Allegato G:
   - ☐ *G.1 Radiatore ad elementi di acciaio (flusso acqua verticale)*
   - ☑ *G.3 Radiatore scaldasalviette/radiatore a flusso d'acqua orizzontale*
   - ☐ *G.9 Radiatore multicolonna*
2. Identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:

Nome commerciale	Larghezza [mm]	Altezza [mm]
Claudia Wide	1200-->1400	440-->620

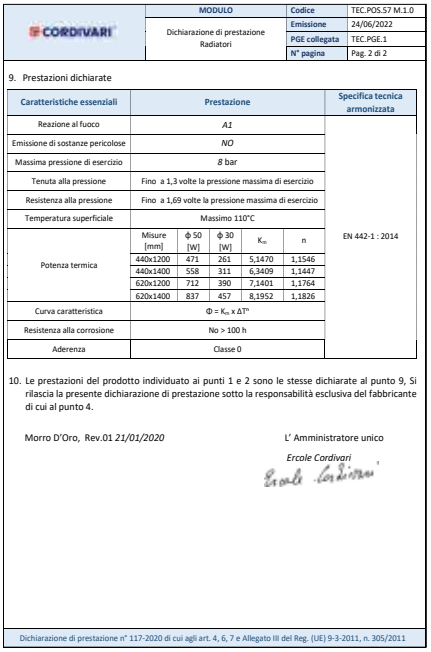
Il codice del prodotto è indicato sull'etichetta.

3. Scopo di utilizzo previsto dal fabbricante o scopi di utilizzo del prodotto da costruzione conformemente alle specifiche tecniche armonizzate applicabili:
   Radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 110° C (EN 442-1-2 2014).
4. Nome e indirizzo del fabbricante:
   Cordivari Srl, Zona Industriale Pagliare - 64020 Morro D'Oro (TE)
5. Non applicabile
6. Sistema di valutazione e controllo della costanza di prestazione del prodotto:
   Sistema 3
7. Laboratorio di prova notificato:
   Il Politecnico di Milano – Dipartimento di Energia (Notified body number: 1695) ha effettuato prove di tipo secondo la norma armonizzata UNI EN 442 e ha rilasciato:
   - Determinazione della potenza termica di un corpo scaldante:
     Rapporto di prova N° ENE/MRT.RAP.16205/16206/16207/16208 – 06/06/2016;
   - Prove di tenuta a pressione:
     Rapporto di prova N° ENE/MRT.RAP. *16205/16206/16207/16208 – 06/06/2016.*
8. Non applicabile

Dichiarazione di prestazione n° 117-2020 di cui agli art. 4, 6, 7 e Allegato III del Reg. (UE) 9-3-2011, n. 305/2011

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011 (CPR).



CORDIVARI

MODULO	Codice	TEC.POS.57 M.1.0
Dichiarazione di prestazione Radiatori	Emissione	24/06/2022
	PGE collegata	TEC.PGE.1
	N° pagina	Pag. 2 di 2

9. Prestazioni dichiarate

Caratteristiche essenziali	Prestazione					Specifica tecnica armonizzata
Reazione al fuoco	*A1*					EN 442-1 : 2014
Emissione di sostanze pericolose	*NO*					
Massima pressione di esercizio	*8* bar					
Tenuta alla pressione	Fino a 1,3 volte la pressione massima di esercizio					
Resistenza alla pressione	Fino a 1,69 volte la pressione massima di esercizio					
Temperatura superficiale	Massimo 110°C					
Potenza termica	Misure [mm]	ϕ 50 [W]	ϕ 30 [W]	K_m	n	
	440x1200	471	261	5,1470	1,1546	
	440x1400	558	311	6,3409	1,1447	
	620x1200	712	390	7,1401	1,1764	
	620x1400	837	457	8,1952	1,1826	
Curva caratteristica	$\Phi = K_m \times \Delta T^n$					
Resistenza alla corrosione	No > 100 h					
Aderenza	Classe 0					

10. Le prestazioni del prodotto individuato ai punti 1 e 2 sono le stesse dichiarate al punto 9, Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4.

Morro D'Oro, Rev.01 *21/01/2020*

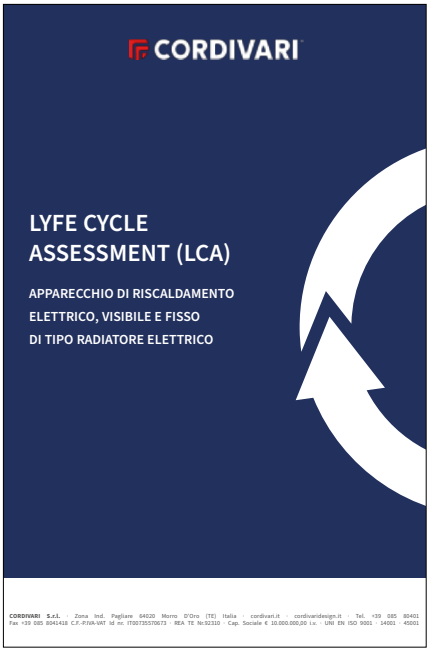
L' Amministratore unico

Ercole Cordivari

Dichiarazione di prestazione n° 117-2020 di cui agli art. 4, 6, 7 e Allegato III del Reg. (UE) 9-3-2011, n. 305/2011

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011 (CPR).



CORDIVARI

LYFE CYCLE ASSESSMENT (LCA)

APPARECCHIO DI RISCALDAMENTO ELETTRICO, VISIBILE E FISSO DI TIPO RADIATORE ELETTRICO

CORDIVARI S.r.l. - Zona Ind. Pagliare 64020 Morro D'Oro (TE) Italia - cordivari.it - cordivaridesign.it - Tel. +39 085 80401 Fax +39 085 8041418 C.F.-P.IVA-VAT Id nr. IT00735570673 - REA TE Nr.92310 - Cap. Sociale € 10.000.000,00 i.v. - UNI EN ISO 9001 - 14001 - 45001

EPD

Environmental Product Declaration according to ISO 14025.

COMPANY SYSTEM CERTIFICATES



DNV

CERTIFICATO DI SISTEMA DI GESTIONE

Si certifica che il sistema di gestione di
CORDIVARI S.r.l.
Zona Industriale Pagliare snc - 64020 Morro D'Oro (TE) - Italia
e i siti come elencati nell'Appendice che accompagna questo certificato

È conforme allo Standard:
ISO 9001:2015

Questa certificazione è valida per il seguente campo applicativo:
Progettazione e fabbricazione di radiatori, bollitori, termoaccumulatori, recipienti in pressione, sistemi termici solari, serbatoi a pressione atmosferica
(IAF 17, 19)

ACCREDIA

Quality System Certificate
UNI EN ISO 9001



DNV

CERTIFICATO DI SISTEMA DI GESTIONE

Si certifica che il sistema di gestione di
CORDIVARI S.r.l.
Zona Industriale Pagliare snc - 64020 Morro D'Oro (TE) - Italia

È conforme allo Standard:
ISO 14001:2015

Questa certificazione è valida per il seguente campo applicativo:
Progettazione e fabbricazione di radiatori, bollitori, recipienti a pressione attraverso i processi di stampaggio, zincatura a caldo anche conto terzi, verniciatura a polvere, con coibentazione tramite schiumatura in poliuretano o isolamento in fibra di poliestere per i bollitori e termo accumulatori, serbatoi in polietilene attraverso lo stampaggio, sistemi termici solari, canne fumarie attraverso la saldatura e taglio al plasma. Trattamento rifiuti liquidi provenienti dalle acque di collaudo dei recipienti e radiatori dalle altre sedi Cordivari
(IAF 17, 18, 39)

ACCREDIA

Environment System Certificate
UNI EN ISO 14001

Cordivari has always had among its goals:
• Continual improvement of its products
• Minimal environmental impacts
• Achievement of total quality
Cordivari worked out in order to obtain the most important certifi cations showing the company engagement towards of its internal system and external environment.



DNV

CERTIFICATO DI SISTEMA DI GESTIONE

Si certifica che il sistema di gestione di
CORDIVARI S.r.l.
Zona Industriale Pagliare Snc - 64020 Morro D'oro (TE) - Italy
e i siti come elencati nell'Appendice che accompagna questo certificato

È conforme allo Standard:
ISO 45001:2018

Questa certificazione è valida per il seguente campo applicativo:
Progettazione e fabbricazione di radiatori, bollitori, termoaccumulatori, recipienti in pressione e serbatoi a pressione atmosferica in acciaio tramite le fasi di stampaggio, taglio, piegatura, calandratura, saldatura, zincatura (esclusi radiatori e termoaccumulatori), sabbiatura (solo bollitori), verniciatura interna a polvere (solo bollitori), verniciatura esterna a polvere o a liquido, schiumatura e coibentazione (solo bollitori e termoaccumulatori), assemblaggio, collaudo elettrico (ove previsto), imballaggio e spedizione. Progettazione e fabbricazione di sistemi termici solari tramite le fasi di taglio, saldatura, verniciatura esterna a liquido, assemblaggio, imballaggio e spedizione. Progettazione e fabbricazione di serbatoi a pressione atmosferica in PE tramite le fasi di stampaggio rotazionale, estrazione, foratura, imballaggio e spedizione. Progettazione e fabbricazione di sistemi integrati con e senza pompa di calore tramite le fasi di taglio, stampaggio, saldatura, assemblaggio circuito gas, vuoto e riempimento gas, collaudo di tenuta ed elettrico, imballaggio e spedizione. Trattamento di depurazione reflui e rifiuti liquidi provenienti esclusivamente dalle altre sedi Cordivari.
(IAF 17, 18, 39)

ACCREDIA

Safety Management System Certificate
UNI EN ISO 45001

CE MARK

The CE mark for radiators:
The CE mark for radiators is compulsory since 01/12/2005.
The main features and tests are:
• Thermal output with relevant heat loss and characteristic formula tested by a certifi ed laboratory as CETIAT, MRT and HLK.
• Conformity to the directive 76/769/CEE regulating the use of dangerous substances during painting process.
• Fire resistance according to EN 13501-1
• Corrosion resistance, endurance in humid atmosphere (min. 100 hours)
• Pressure test
The symbol of CE mark, in conformity to the directive 93/68/CEE, together to other
technical information, is applied on the product and on its packaging.

Main Standards regulating the construction of design radiators:
UNI EN 442-1:2015
Radiators and convectors – Part 1 : Technical specifi cations and requirements

UNI EN 442-2:2015
Radiators and convectors – Part 2: Test and evaluation methods

UNI EN 13501-1:2005
Fire class of products and construction parts.

CPR 305/2011
REGULATION (UE) N. 305/2011 OF THE EUROPEAN PARLIAMENT AND COUNCIL ON MARCH 9TH 2011 which regulates the trade of building products and abrogates Council Directive 89/106/CEE.

76/769/CEE
Directive on use and market of some dangerous substances.

93/68/CEE
CE mark

GENERAL SALES CONDITIONS AND WARRANTY

Sales of Cordivari's products are made according to the conditions listed below. Exceptions should be accorded in written by Cordivari Srl.

1. SHIPMENT
Goods are transported at buyer's risk and peril, even if they are shipped free of carriage. Goods have to be checked at the delivery about unaltered packaging, missing or confused products in the presence of the forwarder. Any claim has to be immediately communicated to the forwarder by appointing the shipment's document and by registered mail within 8 days from receipt of the goods (otherwise Cordivari Srl is cleared of his responsibilities).

2. DELIVERY TERMS
Delivery terms are indicative. Failure to comply with the agreed delivery terms for any reasons will not entitle the buyer to any compensation, cancellation or modification of the order without our prior consent. In case of strikes, lack in raw materials, or any other Act of God, Cordivari Srl reserves the right to decide proper countermeasures; in this case Cordivari Srl should be considered exempted from any responsibility. Shall ordered goods not be collected within agreed date, the same will be invoiced and stored with risks and costs charged to the customer.

3. DRY WEIGHT, MEASURES, SURFACES
Dry Weights, measures, surfaces, shapes, sizes, images and other figures related to the products are merely indicative and Cordivari Srl may at any time modify them.

4. ORDER CANCELLATION OR MODIFICATION
All orders are valid only if accepted in written form by Cordivari Srl .
No orders shall be cancelled even partially without the consent of Cordivari Srl. It will not be possible to modify the order when the production has already started. Any cost deriving from the modifications or cancellation will be charge to the buyer.

5. RADIATORS/ACCESSORIES WARRANTY ON CONSTRUCTION DEFECTS
For Ardesia® tubular radiators and Claudia towel rail (hot water version) Cordivari Srl offers 5 years warranty. For Ardesia® in the finishing F28 TRANSPARENT SHINY the warranty period is 2 years.
- For all painted towel rails and single/double column living radiators Cordivari Srl offers warranty terms and period of 5 years only if radiators are installed in closed heating system.
- For towel rails and single column living radiators line in stainless steel Cordivari Srl offers 10 years warranty, only if radiators are installed in closed heating system.
- All electric radiators (stainless steel and mild steel) and all chromed radiators Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties EU Directive 2019/771, including its subsequent amendments and additions.
- For accessories, customized products according to clients' requirements and other items not listed in present sales and warranty conditions, Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties EU Directive 2019/771, including its subsequent amendments and additions, except for electrical and electronic components for which the warranty is 12 months.
- All the products in this catalogue are designed and made according to European Directives CE, EN, UNI, etc. Warranty and conformity of these products are valid only in countries that apply such regulations. For Extra UE countries, or for countries that do not follow these regulations, Cordivari Srl is not responsible for warranty and conformity.

WARRANTY WILL BE APPLICABLE AT THE FOLLOWING CONDITIONS:
- The warranty period starts with the date of the delivery of the material by Cordivari and this warranty is invalidated if the code of the radiator with the date is removed or modified.
- Warranty is only valid if Cordivari S.r.l. is notified by registered mail about the fault within 8 days since delivery.
- Warranty will take effect after having examined the defects and their causes in the Cordivari plant.
- The materials that have to be replaced or repaired must be shipped free of charge to the Cordivari plant.

Warranty will be applicable at the following conditions:
- materials must have been stored in good conditions and protected from the inclemency of the weather before installation;
- radiator did not have damages during transport, handling or installation;
- no alterations or reparations must be done without the prior consent of the seller;
- the buyer must have paid all the bills within the pre-established deadlines;
- if for cleaning none of those aggressive, corrosive, substances not suitable for radiators material have been used;
- the installation must have been done by professionals and in conformity with all instructions an standards written on the technical data sheets provided by Cordivari S.r.l.;
- no periodical emptying or charging of the system must have taken place;
- no aggressive chemical substances must have been added to the water of the system
- the working pressure and temperature shown in the catalogue must correspond to the current usage pressure and temperature;
- the caps and Accessories used must be original Cordivari materials;
- radiator has not been connected to a system with open expansion tank;
- the radiators must not have been connected to the sanitary water system;

The warranty doesn't cover construction or dismantling costs to move the product from/to the installation place.
In case of using antifreeze, it should never be used pure, but it has to be diluted before including in the heating system.
When you use anti-corrosion, it has to be compatible with all the material composing the heating elements of the radiator.
In case of preinstalled Cordivari's caps, each alteration of those caps will void the warranty of the product. Cordivari will not assume responsibilities for radiator assembled by other people and/even for caps which are not by Cordivari. Cordivari's warranty immediately cease in case of reparations or modifications on products without the previous agreement of Cordivari.
Heating system should be without any remaining of metals, calamine, grease, and without presence of gas.
Before starting the heating system, rinse residuas from the installation/working.
Warranty will not be valid in case of damages caused by electrical system.
The purchaser may not claim any other cost of direct or indirect damage to person or properties resulting from above confirmed defects.
For the purposes of the manufacturer's warranty operations, if requested by Cordivari Srl, the customer must allow an inspection to verify any anomalies subject of the claim. This inspection must be granted by the customer to personnel appointed by Cordivari Srl, within the deadline indicated by the company and, in any case, within a maximum deadline of fifteen days.
If the final customer refuses the inspection within the above mentioned maximum deadline, the manufacturer's warranty will not be valid, since the company had not the opportunity to verify the complaint reasons.

6. PAYMENTS
All invoices have to be paid according to the agreed deadline. Any delay, even partial may suspend the planned deliveries. Overdue interest could be charged at current rates.

7. GOODS' PROPERTY
Cordivari Srl remains owner of the delivered goods until they are not completely paid. In case of failure to proceed to the payment, Cordivari Srl could ask for immediate restitution of goods and keep the paid partial amount as indemnity. Cordivari Srl can reserve the right to evaluate bigger damages caused by the outstanding amount.

8. PRICES
Prices are not binding and can be modified without communication and can be modified on basis of the modifications which could appear before and during delivery. Prices are intended on FCA-MORRO D'ORO (Incoterm 2010 basis), except in case of written agreements. For some voluminous delivery Cordivari may charge some extra-costs. All prices indicated are V.A.T. excluded.

9. ORDERS/DELIVERY
The Order value is minimum Euro 2.000,00. Given orders are binding to the buyer, who acknowledges of all our sales conditions.
Delivery is considered to customer main place/warehouse; for any different destination please get in touch with our sales dept.

10. COURT AUTHORITY
For the following Catalogue and conditions only the provisions of Italian law will be used. For controversy, the Court of Teramo (Italy) shall have exclusive competence. Essential and trial law shall be exclusively Italian.

11. ORIGINAL VERSION
Being a translation, the Italian language is the only valid language for interpretation and conditions of this catalogue version.

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CONDIZIONI DI VENDITA E GARANZIA

La vendita dei prodotti viene effettuata conformemente alle sotto elencate Condizioni Generali di Vendita e Garanzia. Ogni deroga è subordinata all'accettazione scritta da parte dalla Cordivari Srl.

1. SPEDIZIONE
La merce viaggia a rischio e pericolo del Committente, anche se viene spedita franco destino. La merce deve essere verificata all'atto della consegna, controllando l'integrità dell'imballo, articoli mancanti o sostituzioni in presenza del trasportatore. Ogni contestazione dovrà essere segnalata immediatamente al trasportatore/corriere firmando con riserva il DDT e confermando tale riserva a mezzo lettera raccomandata o posta certificata entro otto giorni dal ricevimento merce. (In caso di mancata osservanza di questa clausola la Cordivari Srl e l'impresa di trasporto sono svincolati da qualsiasi responsabilità).

2. TERMINI DI CONSEGNA
I termini di consegna si intendono puramente indicativi e comunque se il termine di consegna non potesse essere rispettato per qualsiasi motivo, il Committente non avrà diritto a esigere alcun indennizzo, pagamento di penali, annullamento o modifica all'ordine conferitoci. In caso di eventi straordinari quali calamità naturali, scioperi, mancanza di materie prime, e cause di forza maggiore, la Cordivari Srl si riserva la scelta delle misure da adottare. Se la merce ordinata non viene ritirata nel periodo concordato, questa verrà fatturata e immagazzinata con costi, rischio e pericolo a carico del Committente.

3. PESI, MISURE, SUPERFICI
Pesi, misure, superfici, forme, dimensioni, immagini e altri dati sono indicativi e non impegnativi e possono subire delle modifiche o variazioni che la Cordivari Srl si riserva di apportare ai suoi prodotti senza preavviso.

4. ANNULLAMENTO O MODIFICA ORDINE
Senza il consenso scritto della Cordivari Srl, le ordinazioni conferite non possono essere né parzialmente né totalmente annullate o modificate. Non si accordano variazioni o modifiche quando sia già stata intrapresa la lavorazione. Eventuali spese derivanti dall'annullamento o modifica dell'ordine saranno fatturate al Committente.

5. GARANZIA RADIATORI E ACCESSORI
- La Cordivari Srl garantisce tutti i radiatori verniciati (nella versione acqua calda/idronici) per un periodo di 5 anni. Per i radiatori tubolari della linea Ardesia® con finitura F28 Shiny Transparent e per i prodotti cromati, la garanzia è di 2 anni. I radiatori scaldasalviette e i monocolonna arredo living in acciaio inox sono garantiti per 10 anni, i radiatori con finitura rame ed ottone antico 2 anni. I radiatori scaldasalviette a funzionamento elettrico, sono garantiti nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva UE 2019/771 e sue successivi modificazioni ed integrazioni.
- Per tutti gli accessori, i prodotti speciali realizzati su specifica del Committente e tutti gli articoli residuali non contemplati nelle condizioni di vendita la Cordivari Srl garantisce nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva UE 2019/771 e sue successivi modificazioni ed integrazioni.
- I prodotti di questo catalogo sono realizzati e progettati in conformità alla direttive europee di riferimento CE, EN, UNI, ecc. La garanzia e la conformità di detti prodotti hanno valenza esclusivamente in quei paese dove tali norme sono riconosciute e recepite. In paesi extra europei o comunque che non recepiscono tali norme, la Cordivari Srl non assume responsabilità per garanzie e conformità.

LA GARANZIA E' SOTTOPOSTA ALLE SEGUENTI CONDIZIONI:
- La garanzia decorre dalla data di consegna da parte della Cordivari Srl e decade se viene manomessa e/o rimossa l'indicazione del lotto di produzione. I prodotti diventati inutilizzabili per accertati difetti di costruzione saranno riparati o sostituiti gratuitamente franco Vostra destinazione.
- La condizione essenziale affinché la garanzia sia valida è che i difetti riscontrati siano notificati entro 8 (otto) giorni dal ricevimento della merce, per iscritto tramite raccomandata o posta certificata.
- La garanzia sarà operante previo esame dei difetti e delle loro cause presso la sede della Cordivari Srl.
- Il materiale da sostituire o riparare dovrà essere consegnato franco magazzino presso la Cordivari Srl.
- Il materiale sia stato immagazzinato in buone condizioni e al riparo dalle intemperie prima di essere installato;
- Il radiatore non abbia subito danneggiamenti durante il trasporto, le movimentazioni o l'installazione;
- Non siano state effettuate manomissioni o riparazioni dei prodotti senza l'autorizzazione della Cordivari Srl;
- Il Committente abbia effettuato il saldo dei pagamenti nei termini prestabiliti;
- L'installazione sia stata realizzata da personale qualificato e in conformità alle istruzioni e alle norme indicate sulla documentazione tecnica fornita dalla Cordivari Srl e alle norme e prescrizioni impiantistiche generali e locali;
- Per la pulizia del radiatore non siano stati utilizzati detergenti aggressivi, abrasivi incompatibili con il materiale del corpo scaldante;
- Non siano stati effettuati svuotamenti o caricamenti periodici dell'impianto, i prodotti non siano stati collegati ad impianti a circuito aperto o impianti idrico sanitari o che comprendono componenti con impermeabilità inadeguata all'ossigeno.
- Non siano state effettuate aggiunte di sostanze chimiche aggressive all'acqua dell'impianto, valori guida secondo la normativa UNI 8065;
- La pressione e la temperatura di esercizio indicate sul catalogo corrispondano alla pressione e alla temperatura di utilizzazione corrente;
- Il circuito sia esente da residui di metallo, calamina, grasso e non ci sia presenza di gas
- Prima della messa in funzione dell'impianto, eseguire un lavaggio per eliminare residui di lavorazione meccanica e/o residui in fase d'installazione.
- I tappi e gli accessori utilizzati siano quelli regolarmente forniti dalla Cordivari Srl.
- Nel caso in cui si utilizzi l'antigelo, esso non dovrà mai essere utilizzato puro, ma diluito prima di essere introdotto nel circuito.
- Nel caso in cui si utilizzi un inibitore di corrosione, esso dovrà essere compatibile con tutti i materiali presenti nei corpi scaldanti. In caso di prodotto con tappi premontati dalla Cordivari Srl, qualsiasi manomissione degli stessi, porterà fuori garanzia il prodotto. La Cordivari Srl non si assumerà comunque responsabilità su batterie assemblate da terzi, e/o con tappi e riduzioni assemblati da terzi.
- Qualora il Committente esegua modifiche o variazioni di sua iniziativa sui materiali in contestazione senza il nostro preventivo benestare, decade immediatamente ogni responsabilità della Cordivari Srl.
- La garanzia inoltre non opera in caso di anomalie o guasti dipendenti dalla rete di alimentazione elettrica.
- La garanzia non copre costi dovuti a demolizioni, lavori per il passaggio dei prodotti sia in ingresso che in uscita e la manodopera per eventuali sostituzioni di prodotto.

Cordivari Srl si impegna durante il periodo di garanzia alla sostituzione del prodotto reso riconosciuto difettoso per accertati difetti di produzione, oltre a ciò il Committente non potrà vantare alcun altro risarcimento per spese di danno, diretti o indiretti di qualsiasi natura a persone e/o a cose derivanti da detti difetti.
Ai fini dell'operatività della garanzia del produttore, se richiesto dalla Cordivari srl, il cliente dovrà garantire il sopralluogo ai fini della verifica dell'eventuali anomalie oggetto di contestazione. Detto sopralluogo dovrà essere garantito dal cliente a personale incaricato dalla Cordivari srl, nel termine dalla medesima indicato e, comunque, nel termine massimo di quindici giorni.
In caso di rifiuto al sopralluogo da parte del cliente finale nel termine massimo innanzi indicato la garanzia del produttore non sarà operante non avendo avuto la casa madre possibilità di verifica della contestazione.

6.PAGAMENTI
I pagamenti delle fatture relative alle forniture dovranno essere effettuati entro i termini di scadenza stabiliti. Il ritardo nel pagamento delle fatture, anche se parziale, dà luogo alla decorrenza degli interessi di mora nella misura del tasso corrente, oltre alla sospensione immediata delle spedizioni in corso e del processamento di eventuali ordini.

7.RISERVA DI PROPRIETÀ
I prodotti restano di proprietà della Cordivari Srl fino al pagamento dell'ultima rata di prezzo di merce consegnata.
In caso di inadempimento anche parziale del compratore la Cordivari Srl potrà chiedere l'immediata restituzione della merce trattenendo comunque le rate pagate a titolo di indennità salvo il maggior danno.

8.PREZZI
I prezzi non sono impegnativi e possono essere modificati senza preavviso. I prezzi sono sempre riportati nel listino al netto di IVA.
I prezzi sono revisionabili in funzione delle variazioni che dovessero intervenire fino al momento della consegna. I prezzi si intendono resa franco stabilimento di Morro D'Oro (TE), salvo diversi accordi. Per modelli ingombranti la Cordivari Srl si riserva di chiedere una partecipazione alle spese di imballaggio e/o trasporto.

9. ORDINI/CONSEGNA
Il valore minimo per ordine è di Euro 2.000,00.
Gli ordini impartiti impegnano definitivamente il Committente che deve dichiarare di conoscere e accettare tutte le condizioni di vendita. Nel caso in cui il Committente rediga l'ordine per nome e per conto di altri, con la firma dell'ordine si impegna in solido all'adempimento di quanto da egli convenuto. La consegna si intende esclusivamente presso la sede/magazzino del Committente. Richieste particolari del Committente come: consegne espresso, consegna diversa dalla sede/magazzino, etc. avranno costi addizionali che verranno comunicati di volta in volta dal nostro ufficio commerciale.
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10. FORO COMPETENTE
Per qualsiasi controversia derivante dal presente contratto o collegata allo stesso è competente il Foro di Teramo.

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CORDIVARI SRL
Z. I. Pagliare 64020 Morro D'Oro (TE) Italy · cordivari.com · Tel. +39 085 8040714 Fax +39 085 8041273
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