IRSAP
i termoarredatori

PRODUCTS CATALOGUE

2009

PRODUCTS CATALOGUE

Radiators

A story about innovation

Since its inception in 1963, IRSAP has always adopted a revolutionary standpoint for the heating sector: furnish with warmth

Thanks to progress in steel production and the study of refined designs, IRSAP has introduced an innovative radiator concept; the termoarredatori® trademark encapsulates this new meaning.

IRSAP: over forty

1963
IRSAP is established for the production of pressed sheet steel radiators.

1967
IRSAP produces TESI, the first Italian radiator made of tubular steel.

1978
Solar energy systems are designed and manufactured with the IRSOL trademark in a new dedicated factory.

1983
NOVO, the first Italian towel warmer radiator is created along with the SINTESI single column radiator.

1984
The GHIBLI and SCIROCCO fan coils are manufactured.

1991-92
IRSAP launches the new "Arqua" line on the market.

1993-94
SCALDAVIVANDE is manufactured and DUBLE is created, the first radiator with different and reversible sides.

1995
New products are created: REVERSE, SINTESI, SPECCHIO, ARCO, TRIS, and ONDA.

1996
The era of air conditioning starts with the GIOTTO fan coil, split system air conditioners and chillers for residential use. The conference centre is completed.

Anticipate the future to meet over 500,000 different desires.

Thanks to model factories equipped with evolved systems, IRSAP is able to offer top quality standards, the best service and maximum reliability. Innovation is guaranteed by the Research and Development departments, supported by continuous investments.

Our Research and Development department processes new production technologies, which are transformed into products available in over 500,000 variations, tailor-made to meet our customers' requests. Models, colours, size, special processes are just some of the elements to choose from to create the ideal combination for your home.

Design and innovation: A winning choice.

When warmth meets design, radiators similar to works of art are created.

What was once almost hidden has now become protagonist of its environment. Thus, Officina Delle Idee has been created, a range of solutions for the most demanding customers attentive to the aesthetics of their home.

years of success

1997-98

The SCIA, GOCCIA, PAREO towel warmers are produced as well as the GIOTTO M and UNIVERSALE fan coils.

1999

The air conditioning range is enlarged by the compact MICHI chiller, DHU air handling units and INDAIR chillers.

2000

IRSAP S.p.A. purchases RHOSS S.p.A.
The new Spanish branch is inaugurated in Barcelona.

2001

The radiator range is enlarged by DUNA, BAIA, ARPA, PIANO, XILO, FLAUTO and MULTIPLO.
The new French commercial branch is inaugurated in Vourles (Lyon).

2002-03

IRSAP enters the boiler market with ECOGREEN, a condensing boiler equipped with the innovative IRSOL® burner.
RHOSS inaugurates its R&D LAB, one of the largest and most advanced laboratories in Europe.

2004

ELECTRIC TESI, CHROMIUM PLATED ARPA, CHROMIUM PLATED FLAUTO and AGILE ACCESSORIES are created as well as the new chiller range.
The new IRROM factory in Cluj Napoca (Romania) starts working.

2005

FILO is created, an elegant and slim line bathroom radiator.
A radiator production plant is purchased in Peking, China.
The OFFICINA DELLE IDEE trademark is created, dedicated to design radiators.

2006

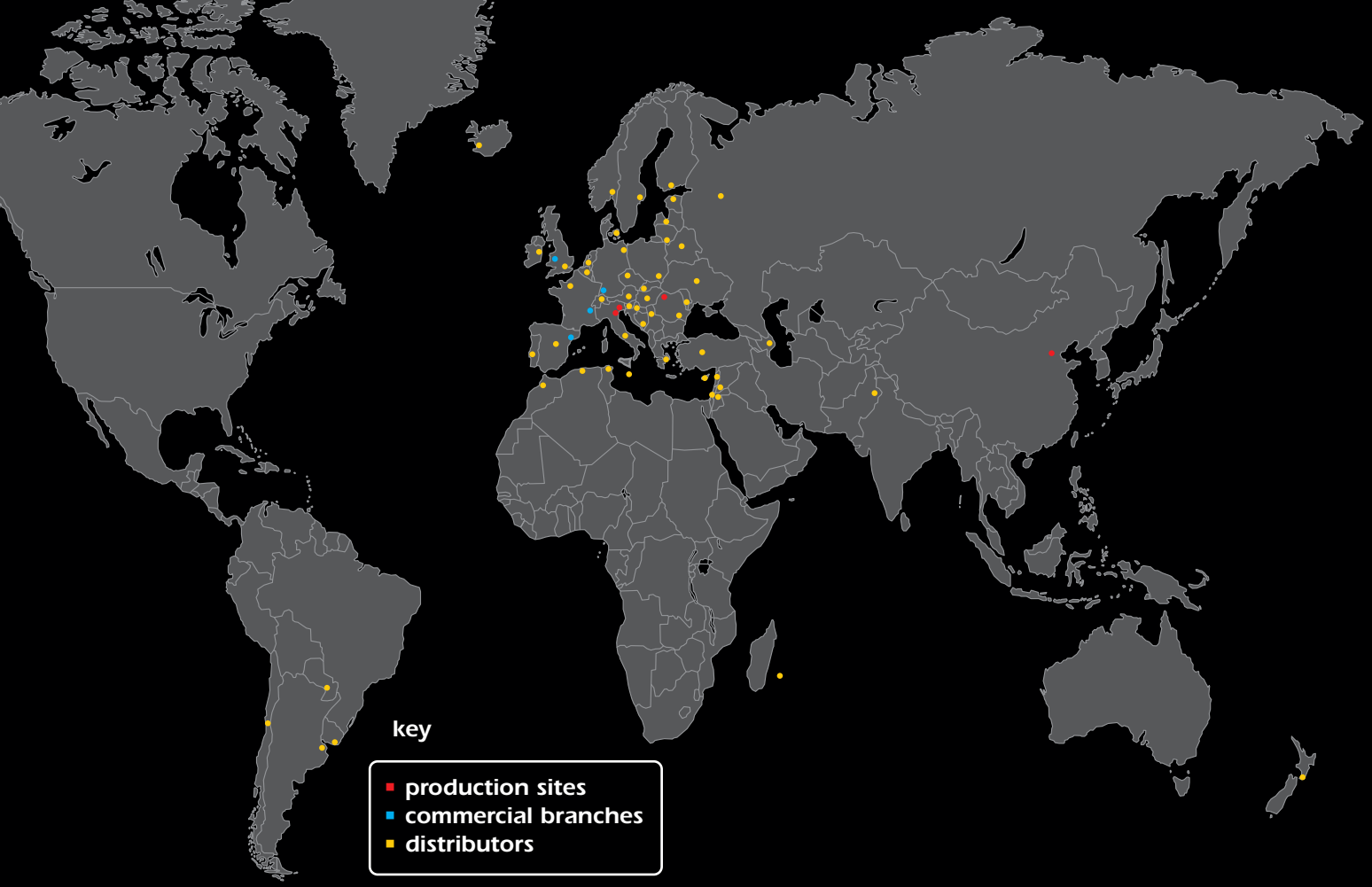
The new range of design radiators is presented: CURVAL, FLEXO, DOMO, RELAX and SOFT.
IR TECH is established, specialised in irradiating air conditioning and renewable energy sources.

2009

...and the story goes on...

A company made of people.

From the very outset, IRSAP has always believed in people's potential, encouraging its collaborators to adopt an intelligent, positive and proactive approach, aimed at enhancing the quality of the services offered by the company, continuously innovating products to meet consumer requirements, with complete respect for the environment and human beings.



IRSAP GROUP

Since 1963, IRSAP has been leader in Italy and one of the first European companies to produce tubular steel radiators. The history of the company is characterised by continuous technological research, the desire to furnish with warmth, create versatile and innovative products that meet both functional and aesthetic requirements; all this has been achieved by placing reliability, quality, the well-being of the individual and respect for the environment above all else.

During its years of activity, IRSAP has never ceased to develop and experiment new pathways, until it has become one of the largest groups in Italy, protagonist in the European heating and air conditioning sector, purchasing RHOSS (a company active in the air conditioning sector since 1968) and creating new trademarks such as IR TECH (specialised in irradiating air conditioning and renewable energy sources) and Officina Delle Idee dedicated to design radiators.

The group also has commercial branches and factories on an international level, including in Spain, France, Romania and China. The four companies in the Group make it one of the most important reference points in systems for creating and maintaining the ideal climate. The group's strength lies in the integration of different experiences exploiting internal and external synergies, optimising specific skills and the most advanced technologies, offering integrated solutions that are at the avant-garde in every sector.

IRSAP i termoarredatori

IRSAP, leader since 1963 in the production of tubular steel radiators.

OFFICINA DELLE IDEE radiatori di design

The OFFICINA DELLE IDEE line, dedicated to design radiators.

RHOSS CLIMA EVOLUTION

Since 1968, Rhoss has been working in the civil and industrial air conditioning sector.

IR TECH

IR TECH is specialised in irradiating air conditioning and renewable energy sources.

Index

TESI

Multicolumn Radiator

Radiator painted in Graphite Black (cod. 18)

TESI radiators represent the most functional and elegant system for heating any interior.
The tubular steel structure ensures optimum energy exploitation guaranteeing high performance even in low temperature systems. Another singular characteristic is the extraordinary freedom of composition the range of available sizes offers: 5 depths, 19 heights, unlimited lengths (multiples of 45 mm). For this reason, **TESI** are universally adopted in the regeneration and re-conversion of existing systems. Their rounded shapes reduce the risk of accidents to a minimum, and make them the ideal choice for installation in public buildings, environments for children, the sick, the disabled and the elderly.

Radiator painted in Standard White (cod. 01)

TESI
Multicolumn Radiator

COMPLETE RANGE OF MULTICOLUMN TESI RADIATOR

Model			**200**	**300**	**400**	**500**	**600**	**750**	**900**	**1000**	**1500**	**1800**	**2000**	**2200**	**2500**
Height			200	302	402	502	602	752	902	1002	1502	1802	2002	2202	2502
Connection center			133	235	335	435	535	685	835	935	1435	1735	1935	2135	2435
TESI 2	Weight		0,35	0,49	0,63	0,78	0,92	1,13	1,34	1,48	2,18	2,61	2,89	3,17	3,59
	Capacity		0,30	0,38	0,46	0,54	0,62	0,74	0,86	0,94	1,34	1,59	1,75	1,91	2,15
	Δt=50°C	Btu/h	14,91	23,44	30,10	36,65	43,15	52,88	62,66	69,22	103,00	124,29	139,00	154,15	177,79
	Δt=50°C	**Watt/el**	**50,89**	**80,00**	**102,73**	**125,09**	**147,27**	**180,48**	**213,86**	**236,25**	**351,54**	**424,20**	**474,41**	**526,11**	**606,80**
	Exponent		1,252	1,239	1,247	1,255	1,263	1,274	1,286	1,294	1,332	1,329	1,319	1,308	1,293
TESI 3	Weight		0,51	0,73	0,94	1,15	1,36	1,68	1,99	2,20	3,26	3,89	4,32	4,74	5,37
	Capacity		0,40	0,52	0,64	0,76	0,88	1,06	1,24	1,37	1,97	2,33	2,57	2,81	3,17
	Δt=50°C	Btu/h	20,29	32,51	42,03	51,37	60,58	74,25	87,80	96,79	141,74	168,92	187,21	205,67	233,72
	Δt=50°C	**Watt/el**	**69,25**	**110,96**	**143,45**	**175,33**	**206,76**	**253,42**	**299,66**	**330,34**	**483,76**	**576,52**	**638,95**	**701,95**	**797,69**
	Exponent		1,288	1,248	1,259	1,270	1,281	1,297	1,314	1,317	1,330	1,325	1,318	1,310	1,299
TESI 4	Weight		0,70	0,99	1,27	1,55	1,83	2,25	2,68	2,96	4,37	5,21	5,77	6,34	7,18
	Capacity		0,55	0,71	0,87	1,03	1,20	1,44	1,68	1,84	2,64	3,12	3,44	3,76	4,24
	Δt=50°C	Btu/h	25,98	42,08	54,62	66,90	78,98	96,79	114,33	125,90	182,63	216,03	238,10	260,04	292,76
	Δt=50°C	**Watt/el**	**88,67**	**143,62**	**186,42**	**228,33**	**269,56**	**330,34**	**390,21**	**429,70**	**623,32**	**737,31**	**812,64**	**887,52**	**999,19**
	Exponent		1,326	1,258	1,272	1,286	1,300	1,322	1,343	1,340	1,328	1,321	1,317	1,312	1,306
TESI 5	Weight		0,93	1,29	1,64	1,99	2,35	2,87	3,40	3,75	5,51	6,57	7,27	7,98	9,03
	Capacity		0,62	0,82	1,03	1,23	1,43	1,73	2,03	2,23	3,23	3,83	4,23	4,64	5,24
	Δt=50°C	Btu/h	31,68	51,40	66,54	81,34	95,89	117,35	138,48	152,41	220,85	261,25	288,00	314,65	354,48
	Δt=50°C	**Watt/el**	**108,12**	**175,43**	**227,10**	**277,61**	**327,27**	**400,52**	**472,63**	**520,18**	**753,76**	**891,65**	**982,94**	**1073,90**	**1209,84**
	Exponent		1,350	1,276	1,291	1,307	1,322	1,346	1,369	1,364	1,337	1,327	1,323	1,320	1,314
TESI 6	Weight		1,09	1,52	1,94	2,37	2,79	3,42	4,06	4,48	6,59	7,86	8,70	9,55	10,81
	Capacity		0,81	1,06	1,30	1,54	1,78	2,14	2,50	2,74	3,94	4,67	5,15	5,63	6,35
	Δt=50°C	Btu/h	37,37	60,71	78,46	95,79	112,81	137,91	162,62	178,92	259,07	306,47	337,91	369,26	416,20
	Δt=50°C	**Watt/el**	**127,54**	**207,20**	**267,78**	**326,93**	**385,02**	**470,69**	**555,02**	**610,65**	**884,21**	**1045,98**	**1153,29**	**1260,28**	**1420,49**
	Exponent		1,374	1,293	1,310	1,327	1,345	1,370	1,396	1,388	1,346	1,334	1,330	1,327	1,322


Tesi 2


Tesi 3


Tesi 4

TESI
Multicolumn Radiator

CAST IRON AND ALUMINIUM CONNECTIONS CENTRES

Model			**565**	**665**	**685**	**765**	**865**	**885**
Height			567	667	687	767	867	887
Connection center			500	600	620	700	800	820
TESI 2	Weight		0,87	1,01	1,04	1,15	1,29	1,32
	Capacity		0,59	0,67	0,69	0,75	0,84	0,85
	Δt=50°C	Btu/h	40,88	47,37	48,67	53,86	55,16	61,68
	Δt=50°C	**Watt/el**	**139,52**	**161,67**	**166,11**	**183,82**	**188,26**	**210,51**
	Exponent		1,26	1,27	1,269	1,28	1,28	1,285
TESI 3	Weight		1,29	1,50	1,54	1,71	1,92	1,96
	Capacity		0,84	0,96	0,99	1,08	1,20	1,23
	Δt=50°C	Btu/h	57,37	66,52	68,34	75,60	84,64	86,44
	Δt=50°C	**Watt/el**	**195,80**	**227,03**	**233,24**	**258,02**	**288,88**	**295,02**
	Exponent		1,277	1,288	1,290	1,299	1,310	1,312
TESI 4	Weight		1,73	2,02	2,07	2,30	2,58	2,63
	Capacity		1,14	1,30	1,33	1,46	1,62	1,65
	Δt=50°C	Btu/h	74,77	86,74	89,11	98,56	110,26	112,59
	Δt=50°C	**Watt/el**	**255,19**	**296,04**	**304,13**	**336,39**	**376,32**	**384,27**
	Exponent		1,296	1,310	1,312	1,324	1,338	1,341
TESI 5	Weight		2,22	2,57	2,64	2,93	3,28	3,35
	Capacity		1,36	1,56	1,60	1,76	1,96	2,00
	Δt=50°C	Btu/h	90,80	105,20	108,10	119,50	133,60	136,38
	Δt=50°C	**Watt/el**	**309,90**	**359,05**	**368,95**	**407,85**	**455,98**	**465,46**
	Exponent		1,317	1,333	1,336	1,348	1,364	1,367
TESI 6	Weight		2,64	3,06	3,15	3,49	3,91	3,99
	Capacity		1,69	1,93	1,98	2,17	2,42	2,46
	Δt=50°C	Btu/h	106,90	123,70	127,09	140,40	159,90	160,16
	Δt=50°C	**Watt/el**	**364,85**	**422,19**	**433,76**	**479,19**	**545,74**	**546,63**
	Exponent		1,339	1,356	1,359	1,373	1,390	1,394

SPECIAL OPTIONS

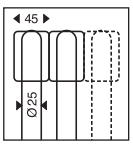
- Curved batteries.
- Special fitting spacings for cast iron and aluminium replacements.
- 90° angled connections.
- Bottom connections with 1/2" welded fittings.
- Internally welded diaphragm.
- Battery nippling.
- Cap and adapter assembly.

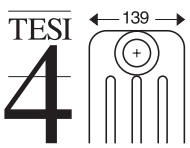
For Δt different from 50°C use the formula:
$Q=Qn\ (\Delta t / 50)^n$
Maximum working pressure allowed:
8 bar.
Maximum working temperature allowed:
95°C.

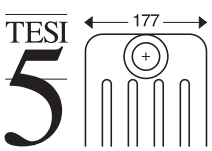
EN 442 EURONORM **CE 05 EN442-1** 130/047

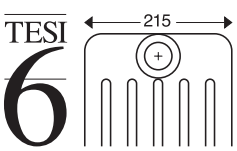

Tesi 5


Tesi 6









NEW

SAX

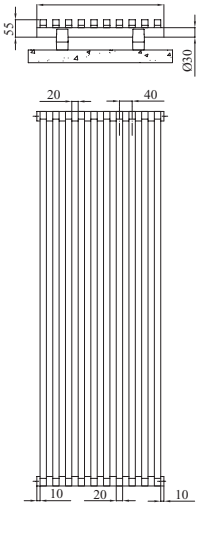
Radiator painted in Quarz Grey Metallic (cod. 31)

Interior Design Radiator **SAX**

SAX responds to the modern tendency for tubes with a rectangular profile while maintaining a slim product line. The modularity of the radiators contributes towards solving any heating requirement. Heights vary from 500 mm to 2000 mm and from 4 to 40 elements in even numbers. **SAX** can be installed vertically or horizontally.

SPECIAL OPTIONS:

- Prearrangement for bottom or lateral connections with 1/2" welded fittings.
- Internal welded diaphragm.

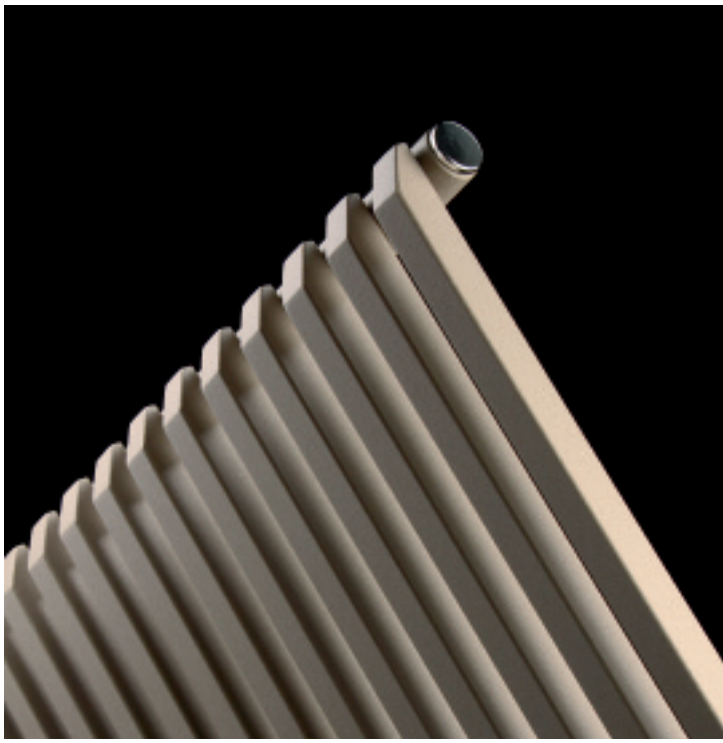


Radiator painted in Quartz 1 (cod. 1C). Version featuring water connections with a central 50 mm distance between centres.

Height/Model H mm	Conn. Centres H' mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C* Watt	Exponent n.
500	470	0,45	0,25	99,8	**29,2**	1,236
680	650	0,61	0,32	131,0	**29,1**	1,243
900	870	0,81	0,41	168,8	**37,4**	1,250
1500	1470	1,34	0,65	272,2	**60,1**	1,265
1800	1770	1,61	0,78	325,1	**71,7**	1,272
2000	1970	1,79	0,86	361,0	**79,7**	1,270

*The heat yield refers to Sax models installed vertically.

Heat output are estimated and are undergoing certification.
Power calculated with Δt 50°C.
For Δt different from 50°C use the formula: $\mathbf{Q=Qn\ (\Delta t\ /\ 50)^n}$
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Detail Sax radiator painted in Quartz 1 (cod. 1C)

Thermal output per meter for radiator fixed in horizontal

Elements n.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Thermal output per meter in Watt Δt 50°C	**178,6**	**267,9**	**357,2**	**446,5**	**535,8**	**625,1**	**714,4**	**803,8**	**893,1**	**982,4**	**1071,7**	**1161,0**	**1250,3**	**1339,6**	**1428,9**	**1518,2**	**1607,5**	**1696,8**	**1786,1**
Exponent n.	1,237	1,289	1,304	1,302	1,291	1,275	1,258	1,240	1,222	1,205	1,188	1,172	1,156	1,141	1,127	1,114	1,101	1,088	1,076

NEW

SAX 2

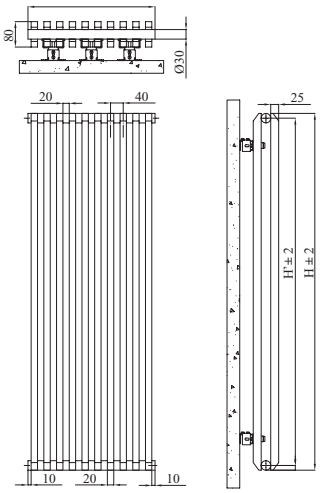
Radiator painted in Quartz 1 (cod. 1C)

Interior Design Radiator **SAX 2**

SAX 2 is the version of Sax with a double row of tubes. This design solution is suitable for environments requiring a greater heat yield. Heights vary from 500 mm to 2000 mm and from 4 to 40 elements in even numbers. **SAX 2** can be installed vertically or horizontally.

SPECIAL OPTIONS:

- Prearrangement for bottom or lateral connections with 1/2" welded fittings.
- Internal welded diaphragm.



Radiator painted in Opaque Blue (cod. 8B).

Height/Model H mm	Conn. Centres H' mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C* Watt	Exponent n.
500	470	0,83	0,41	166,4	**48,8**	1,291
680	650	1,13	0,55	226,1	**66,3**	1,291
900	870	1,50	0,73	297,8	**87,3**	1,290
1500	1470	2,50	1,22	478,0	**140,0**	1,289
1800	1770	3,00	1,46	512,1	**150,0**	1,288
2000	1970	3,33	1,62	546,1	**160,0**	1,291

*The heat yield refers to Sax 2 models installed vertically.

Heat output are estimated and are undergoing certification.
Power calculated with Δt 50°C.
For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.

Detail of the Sax 2 radiator tubes and manifold.

Thermal output per meter for radiator fixed in horizontal

Elements n.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Thermal output per meter in Watt Δt 50°C	**306,2**	**459,3**	**612,4**	**765,6**	**918,7**	**1071,8**	**1224,9**	**1378,0**	**1531,1**	**1684,2**	**1837,3**	**1990,4**	**2143,5**	**2296,7**	**2449,8**	**2602,9**	**2756,0**	**2909,1**	**3062,2**
Exponent n.	1,340	1,361	1,351	1,330	1,305	1,280	1,255	1,232	1,210	1,190	1,170	1,152	1,135	1,119	1,103	1,089	1,075	1,062	1,050

PIANO

130/047

CE 05
EN442-1

EN EURONORM 442

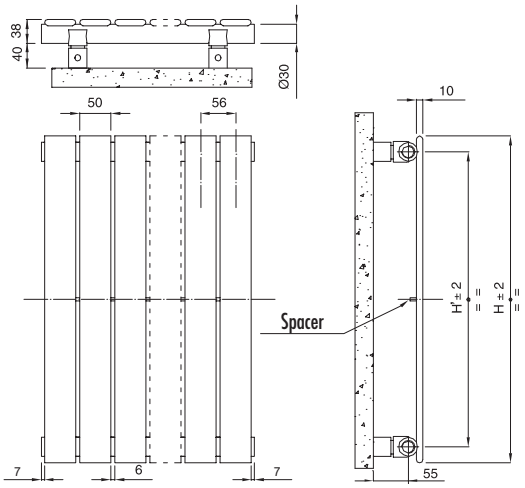
Radiator painted in Opaque Red (cod. 7B)

Interior Design Radiator **PIANO**

PIANO is an interior design radiator made with flat steel tubes: a perfect blend of class, elegance and linearity. These features make **PIANO** a versatile interior design element in any room. **PIANO** is very flexible thanks to the vast range of available sizes: heights ranging from 520 to 2520 mm and from 4 to 30 sections in even numbers. **PIANO** radiator can be fixed both vertical and horizontal.

SPECIAL OPTIONS:

- Prearrangement for bottom or lateral connections with 1/2" welded fittings.
- Internal welded diaphragm.



Piano Vertical installation, painted in Titanium Grey Metallic (cod. L3)

Height/Model H mm	Conn. Centres H' mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C* Watt	Exponent n.
520	470	0,64	0,25	116,3	**34,1**	1,280
700	650	0,82	0,31	152,7	**44,8**	1,295
920	870	1,04	0,39	195,3	**57,2**	1,314
1220	1170	1,37	0,49	256,0	**75,0**	1,314
1520	1470	1,64	0,60	315,4	**92,4**	1,306
1820	1770	1,94	0,70	375,1	**109,9**	1,302
2020	1970	2,14	0,77	415,1	**121,6**	1,300
2220	2170	2,37	0,84	455,5	**133,5**	1,300
2520	2470	2,64	0,94	516,6	**151,4**	1,293

*The heat yield refers to Piano models installed vertically.

For Δt different from 50°C use the formula: $\mathbf{Q=Qn\ (\Delta t\ /\ 50)^n}$
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.

Piano Horizontal installation, painted in Titanium Grey Metallic (cod. L3)

Thermal output per meter for radiator fixed in horizontal														
Elements n.	4	6	8	10	12	14	16	18	20	22	24	26	28	30
Thermal output per meter in Watt Δt 50°C	**263,4**	**388,8**	**511,4**	**631,1**	**747,9**	**862,0**	**973,2**	**1081,6**	**1187,3**	**1290,4**	**1390,8**	**1488,6**	**1583,9**	**1677,5**
Exponent n.	1,228	1,241	1,227	1,213	1,199	1,185	1,171	1,157	1,143	1,148	1,152	1,157	1,162	1,167

PIANO 2

130/047

CE 05
EN442-1

EN 442 EURONORM

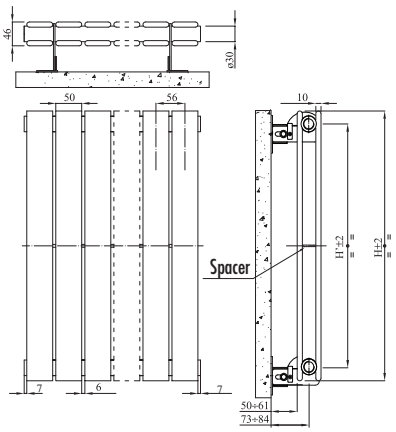
Radiator painted in Standard White (cod. 01)

Interior Design Radiator **PIANO 2**

PIANO is also available in the **PIANO 2** double row version, for those architectural solutions requiring higher heat outputs. In this conformation, the **PIANO 2** radiator fully meets heating requirements and the demand for elegance.
Available in heights ranging from 520 to 2520 mm and lenghts from 4 to 30 sections in even numbers.
PIANO 2 radiator can be fixed both vertical and horizontal.

SPECIAL OPTIONS:

- Prearrangement for bottom or lateral connections with 1/2" welded fittings.
- Internal welded diaphragm.



Piano 2 Horizontal installation, painted in Ivory RAL 1013 (cod. 02)

Height/Model H mm	Conn. Centres H' mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C* Watt	Exponent n.
520	470	1,16	0,43	171,3	**50,2**	1,296
700	650	1,52	0,55	223,6	**65,5**	1,305
920	870	1,96	0,71	286,0	**83,8**	1,317
1220	1170	2,61	0,91	369,1	**108,1**	1,316
1520	1470	3,16	1,13	450,7	**132,1**	1,315
1820	1770	3,76	1,34	531,3	**155,7**	1,314
2020	1970	4,16	1,48	584,7	**171,3**	1,319
2220	2170	4,61	1,61	637,8	**186,9**	1,324
2520	2470	5,16	1,82	717,1	**210,1**	1,332

*The heat yield refers to Piano 2 models installed vertically.

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.

Piano 2 Vertical installation, painted in Ivory RAL 1013 (cod. 02)

Thermal output per meter for radiator fixed in horizontal														
Elements n.	4	6	8	10	12	14	16	18	20	22	24	26	28	30
Thermal output per meter in Watt Δt 50°C	**433,3**	**606,3**	**768,5**	**922,3**	**1069,3**	**1210,3**	**1346,0**	**1477,0**	**1603,6**	**1726,2**	**1845,0**	**1960,2**	**2072,1**	**2180,8**
Exponent n.	1,232	1,240	1,208	1,176	1,175	1,173	1,171	1,169	1,167	1,166	1,164	1,162	1,160	1,158

ARPA

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Alluminium Grey RAL 9006 (cod. B4)

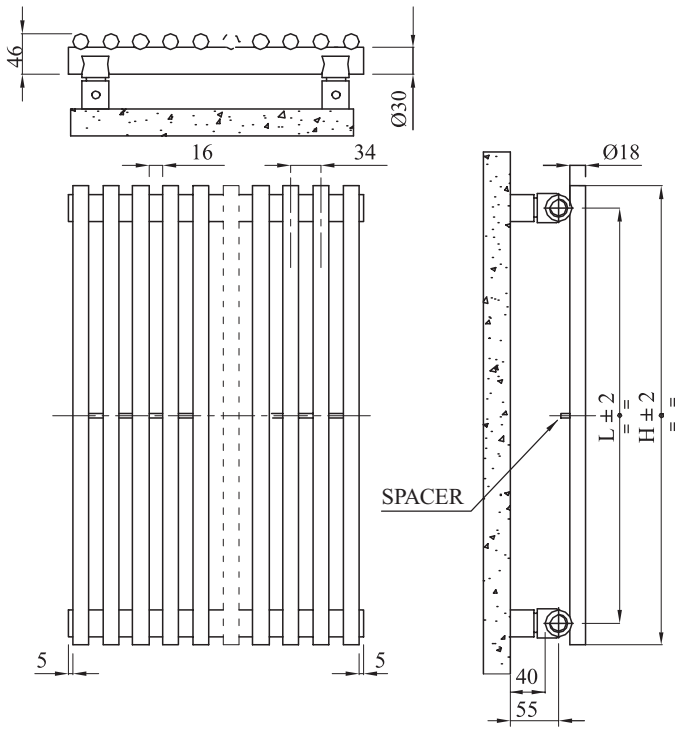
Interior Design Radiator **ARPA**

Sober and light, the **ARPA** steel radiator represents a modern aesthetic heating concept. Its strong identity stands out in any environment. **ARPA** offers excellent heat output thanks to its tubular steel structure.
Available in heights ranging from 520 to 2520 mm and lengths from 4 to 40 sections in even numbers.

SPECIAL OPTIONS:
- Prearrangement for bottom connections with 1/2" welded fittings.
- Internal welded diaphragm.

Height H mm	Conn. Centres L mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C **Watt**	Exponent n.
520	470	0,33	0,14	73,2	**21,5**	1,236
700	650	0,42	0,17	95,4	**28,0**	1,243
920	870	0,53	0,21	122,2	**35,8**	1,250
1520	1470	0,83	0,33	195,5	**57,3**	1,265
1820	1770	0,98	0,39	233,0	**68,3**	1,272
2020	1970	1,08	0,42	258,4	**75,7**	1,270
2520	2470	1,32	0,52	323,7	**94,9**	1,267

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Natural Beige (cod. 38)

Radiator painted in Standard White (cod. 01)

ARPA 2

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Graphite Black (cod. 18)

Interior Design Radiator **ARPA 2**

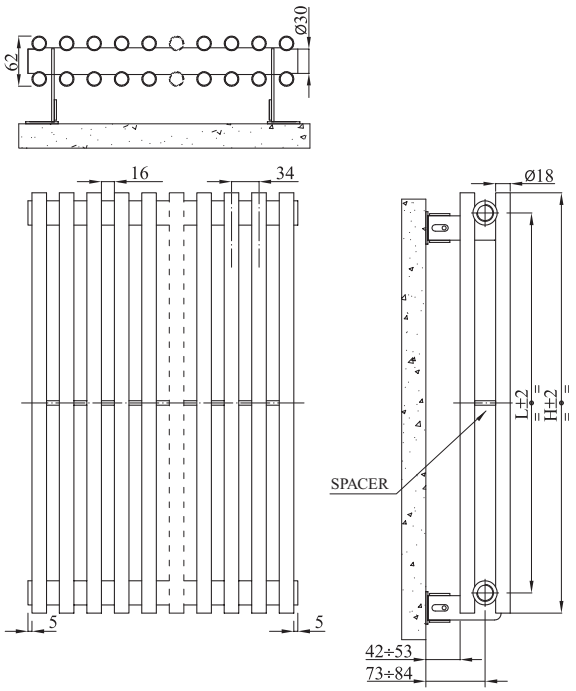
For higher cubic capacities and to produce the necessary heat calories, **ARPA 2** features a double sequence of tubes welded on the side of the manifold. Style and practicality go harmoniously hand in hand in **ARPA 2**. Available in heights ranging from 520 to 2520 mm and widths from 4 to 40 sections in even numbers.

SPECIAL OPTIONS:

- Prearrangement for bottom connections with 1/2" welded fittings.
- Internal welded diaphragm.

Height H mm	Conn. Centres L mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C **Watt**	Exponent n.
520	470	0,59	0,24	118,0	**34,6**	1,291
700	650	0,77	0,31	156,9	**46,0**	1,291
920	870	0,99	0,39	202,5	**59,3**	1,290
1520	1470	1,58	0,62	315,8	**92,5**	1,289
1820	1770	1,88	0,73	366,5	**107,4**	1,288
2020	1970	2,08	0,81	398,1	**116,7**	1,291
2520	2470	2,58	1,00	470,1	**137,7**	1,298

For Δt different from 50°C use the formula: $\mathbf{Q=Qn\ (\Delta t\ /\ 50)^n}$
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Standard White (cod. 01)

Radiator painted in Natural Beige (cod. 38)

ARPA

Chromium-plated

CE 05
EN442-1

EN EURONORM 442

Chromium-plated radiator (cod. 50)

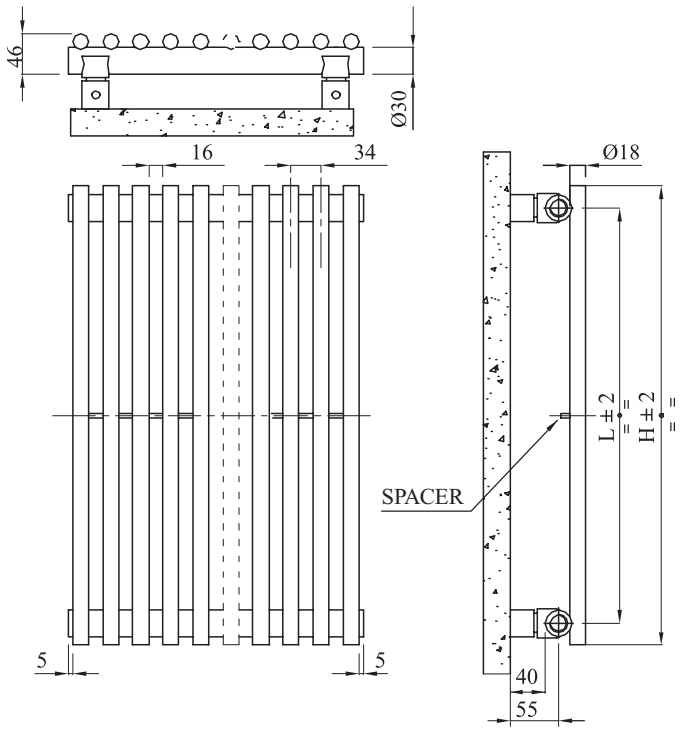
Interior Design Radiator **ARPA**
Chromium-plated

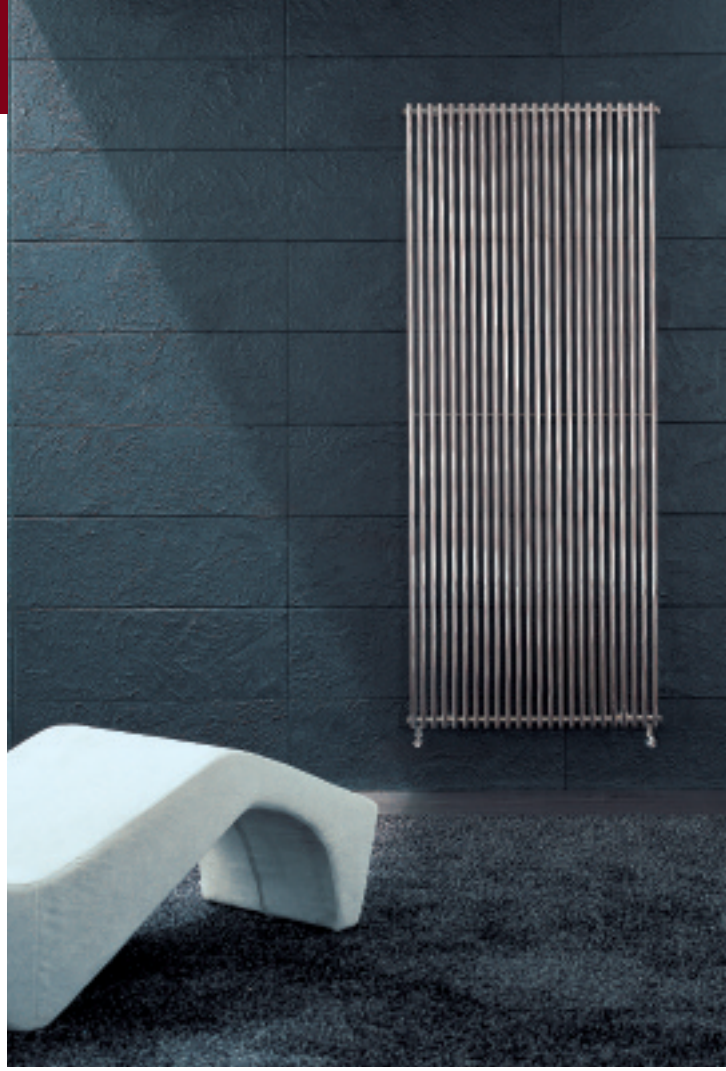
Chromium plated ARPA renews the image of the radiator. Thanks to essence of its shapes, its slender and graceful lines, the **Chromium plated ARPA** transforms space, highlighting its balanced and refined design.
Available in heights ranging from 520 to 920 mm and lengths from 4 to 40 sections in even numbers and in heights ranging from 1520 to 2520 mm and lengths from 4 to 28 sections in even numbers.

SPECIAL OPTIONS:
- Prearrangement for bottom connections with 1/2" welded fittings.
- Internal welded diaphragm.

Height H mm	Conn. Centres L mm	Weight Kg	Capacity lt	Δt = 50°C Btu/h	Δt = 50°C Watt	Exponent n.
520	470	0,33	0,14	47,4	**13,9**	1,218
700	650	0,42	0,17	61,8	**18,1**	1,242
920	870	0,53	0,21	79,5	**23,3**	1,271
1520	1470	0,83	0,33	127,3	**37,3**	1,279
1820	1770	0,98	0,39	152,2	**44,6**	1,284
2020	1970	1,08	0,42	168,9	**49,5**	1,285
2520	2470	1,32	0,52	212,3	**62,2**	1,287

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.





Chromium-plated radiator (cod. 50)

Chromium-plated radiator (cod. 50)

FILO

CE 05
EN442-1

EN EURONORM 442

Radiator painted in Brown (cod. 09)

Bathroom Radiator **FILO**

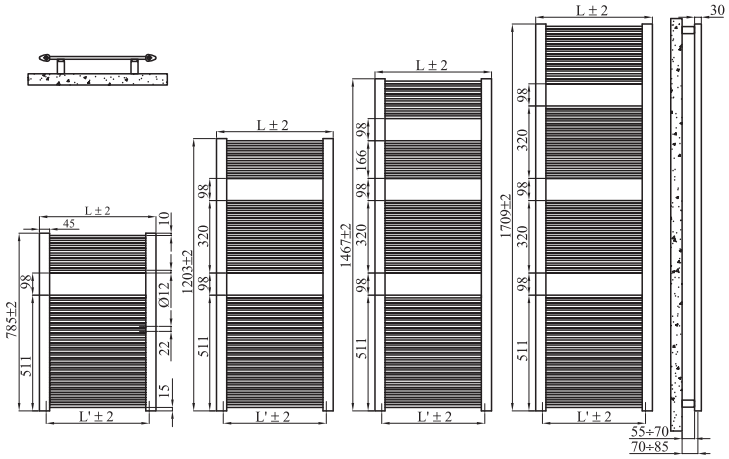
The IRSAP range is completed by the inclusion of **FILO**. This solution integrates well with interior design features as well as in homes and office environments.
The narrow diameter of the horizontal rails give **FILO** radiators a slim-line and appealing outline.
Painted with epoxy powders, **FILO** offers a pleasant and modern alternative to existing and tried geometries.
An IRSAP idea that becomes an interior design proposal.

MIXED FUNCTION

By inserting a special immersion heater (optional), **FILO** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
785 31 rails - 1 space 785 mm H	466	406	6,0	2,2	1284	**376**	1,223
	516	456	6,5	2,3	1417	**415**	1,223
	616	556	7,5	2,5	1683	**493**	1,223
1203 46 rails - 2 spaces 1203 mm H	466	406	9,0	3,3	1899	**557**	1,241
	516	456	9,8	3,5	2097	**614**	1,241
	616	556	11,2	3,8	2490	**730**	1,241
1467 54 rails - 3 spaces 1467 mm H	466	406	10,8	4,0	2257	**661**	1,241
	516	456	11,6	4,2	2490	**730**	1,241
	616	556	13,3	4,6	2953	**865**	1,241
1709 65 rails - 3 spaces 1709 mm H	466	406	12,8	4,7	2693	**789**	1,263
	516	456	13,8	4,9	2973	**871**	1,263
	616	556	15,9	5,4	3531	**1035**	1,263

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Brown (cod. 09)

Radiator painted in Quartz Grey (cod. 31)

BAIA

CE 05
EN442-1

EN EURONORM 442

Radiator painted in Satin Black (cod. 30)

Bathroom Radiator **BAIA**

This is where shape takes the lead role: **BAIA** is a towel warmer radiator with soft and rounded lines.
The exclusive profile of the manifold combined with slender and curved rails, give **BAIA** a new and refined image, suited to the most modern and up-to-date interior design solutions.

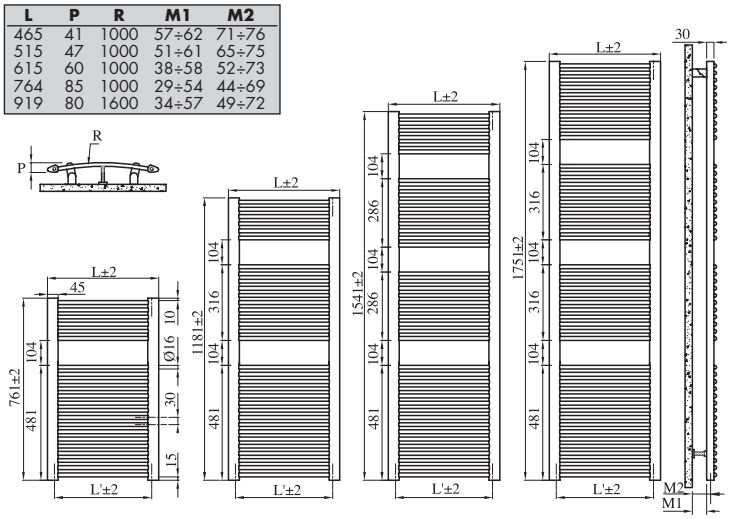
MIXED FUNCTION

By inserting a special immersion heater (optional), **BAIA** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
761 22 rails - 1 space 761 mm H	465	406	5,8	2,5	1307	**383**	1,227
	515	456	6,3	2,7	1427	**418**	1,223
	615	556	7,3	3,0	1662	**487**	1,215
	764	706	8,8	3,5	2014	**590**	1,202
	919	860	10,2	4,0	2382	**698**	1,190
1181 33 rails - 2 spaces 1181 mm H	465	406	8,7	3,8	1922	**563**	1,227
	515	456	9,5	4,1	2102	**616**	1,224
	615	556	11,0	4,6	2468	**723**	1,220
	764	706	13,2	5,3	3010	**882**	1,213
	919	860	15,4	6,1	3577	**1048**	1,207
1541 42 rails - 3 spaces 1541 mm H	465	406	11,2	5,0	2474	**725**	1,234
	515	456	12,1	5,3	2707	**793**	1,234
	615	556	14,0	5,9	3167	**928**	1,233
	764	706	16,9	6,9	3860	**1131**	1,231
	919	860	19,7	7,8	4580	**1342**	1,229
1751 49 rails - 3 spaces 1751 mm H	465	406	12,9	5,7	2860	**838**	1,216
	515	456	14,0	6,1	3133	**918**	1,217
	615	556	16,2	6,8	3683	**1079**	1,221
	764	706	19,6	7,9	4502	**1319**	1,225
	919	860	22,8	9,0	5355	**1569**	1,230

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
465	41	1000	57÷62	71÷76
515	47	1000	51÷61	65÷75
615	60	1000	38÷58	52÷73
764	85	1000	29÷54	44÷69
919	80	1600	34÷57	49÷72



Radiator painted in Claret RAL 3003 (cod. 06)

Radiator painted in Allumunium Grey RAL 9006 (cod. B4)

ONDA

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Quartz Grey RAL 9023 (cod. 31)

Bathroom Radiator **ONDA**

The **ONDA** radiator features curved horizontal lines of sober elegance, which convey the radiator its own singular personality. Thus conceived, **ONDA** meets interior design demands for elegance and practicality.
This radiator is assembled using special hinged CHELA brackets (Pat. Pend.) whose rigorous and essential design complete its pleasing visual effect.
The **ONDA** "termoarredatore®" also comes in the 50 mm connection version (see right photo).

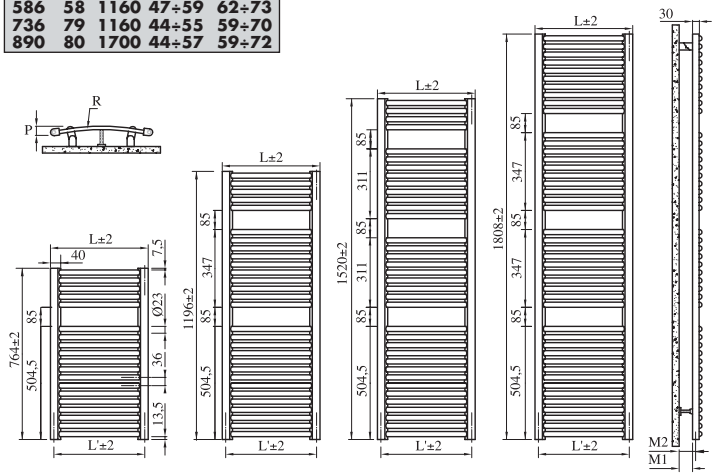
MIXED FUNCTION

By inserting a special immersion heater (optional), **ONDA** can also run while the heating system is switched off.

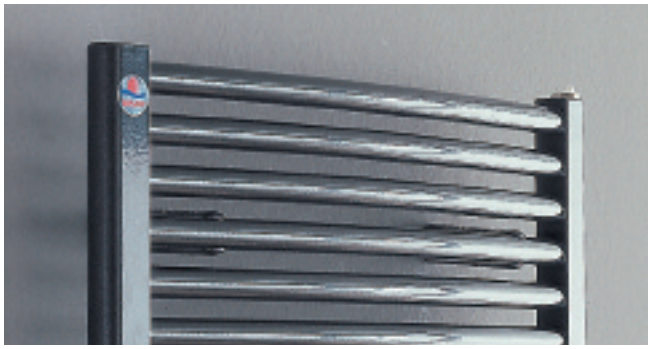
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
764	436	406	7,0	3,7	1161	**340**	1,199
	586	556	8,9	4,7	1583	**464**	1,199
19 rails - 1 space	736	706	10,8	5,6	1997	**585**	1,199
764 mm H	890	860	12,7	6,5	2409	**706**	1,199
1196	436	406	10,7	5,7	1773	**520**	1,201
	586	556	13,6	7,2	2418	**708**	1,201
29 rails - 2 spaces	736	706	16,5	8,6	3050	**894**	1,201
1196 mm H	890	860	19,5	10,1	3678	**1078**	1,201
1520	436	406	13,1	7,1	2205	**646**	1,202
	586	556	16,8	8,9	3003	**880**	1,202
36 rails - 3 spaces	736	706	20,5	10,7	3792	**1111**	1,202
1520 mm H	890	860	24,2	12,5	4570	**1339**	1,202
1808	436	406	16,2	8,7	2700	**791**	1,203
	586	556	20,6	10,9	3682	**1079**	1,203
44 rails - 3 spaces	736	706	25,0	13,1	4645	**1361**	1,203
1808 mm H	890	860	29,4	15,2	5601	**1641**	1,203

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
436	42	1160	56÷61	71÷76
586	58	1160	47÷59	62÷73
736	79	1160	44÷55	59÷70
890	80	1700	44÷57	59÷72



Radiator with central water connections 50 mm painted in Quartz Grey (cod. 31)



Detail of the curvature of the ONDA radiator.

Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

DUNA

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Alluminium Grey RAL 9006 (cod. B4)

Bathroom Radiator **DUNA**

DUNA is a towel warmer with soft and rounded lines, where creative detail blends with technological features. The absence of sharp edges makes this model highly reliable.
The exclusive profile of the manifold and the curved elliptical tubes, offer a new response to the most exacting aesthetic demands.

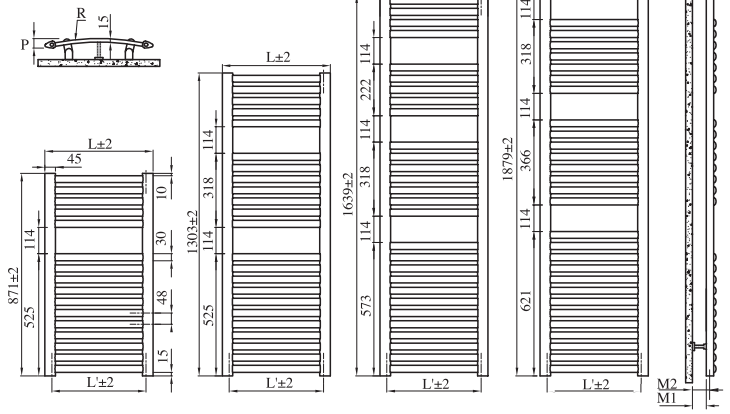
MIXED FUNCTION

By inserting a special immersion heater (optional), **DUNA** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	Δt=50°C Watt	Exponent n.
871 16 rails - 1 space 871 mm H	465	406	6,2	3,2	1283	**376**	1,203
	515	456	6,7	3,4	1406	**412**	1,204
	615	556	7,7	3,8	1655	**485**	1,206
	764	706	9,3	4,5	2027	**594**	1,208
	919	860	10,8	5,2	2416	**708**	1,211
1303 23 rails - 2 spaces 1303 mm H	465	406	9,0	4,6	1860	**545**	1,226
	515	456	9,8	4,9	2041	**598**	1,225
	615	556	11,2	5,6	2410	**706**	1,225
	764	706	13,5	6,6	2952	**865**	1,223
	919	860	15,6	7,5	3522	**1032**	1,222
1639 28 rails - 3 spaces 1639 mm H	465	406	11,1	5,7	2324	**681**	1,215
	515	456	12,0	6,1	2550	**747**	1,212
	615	556	13,8	6,9	3000	**879**	1,207
	764	706	16,5	8,1	3672	**1076**	1,199
	919	860	19,1	9,3	4369	**1280**	1,190
1879 33 rails - 2 spaces 1879 mm H	465	406	13,0	6,7	2741	**803**	1,222
	515	456	14,0	7,1	3010	**882**	1,221
	615	556	16,1	8,0	3546	**1039**	1,217
	764	706	19,3	9,5	4348	**1274**	1,213
	919	860	22,4	10,8	5181	**1518**	1,208

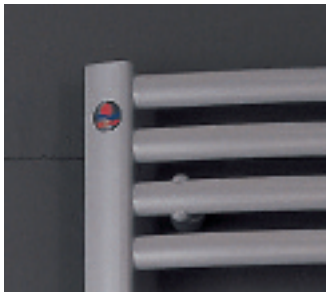
For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
465	41	1000	57÷62	71÷76
515	46	1000	51÷60	65÷75
615	59	1000	38÷58	52÷73
764	85	1000	29÷54	44÷69
919	80	1600	34÷57	49÷72



Radiator painted in Allumunium Grey RAL 9006 (cod. B4)

Detail of the curvature of the DUNA radiator, the ovoid manifold and the elliptical tubes.



Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

VELA

CE 05
EN442-1

EN EURONORM 442

Radiator painted in Edelweiss Opaque White (cod. 34)

Bathroom Radiator **VELA**

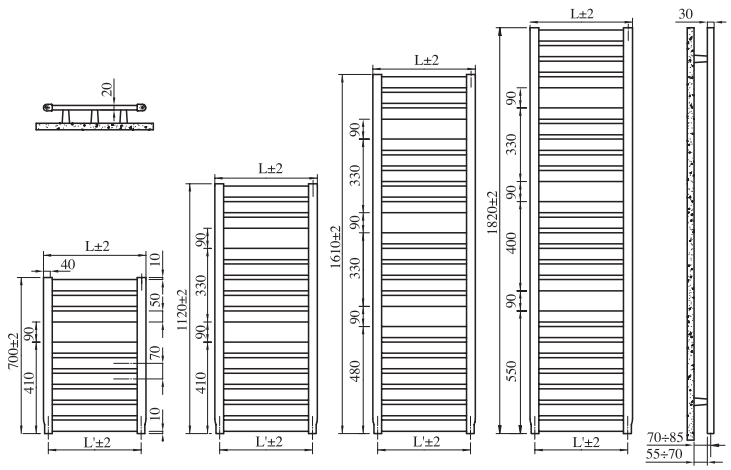
Particular care has been dedicated to the design of the **VELA** radiator. It features horizontal flat steel tubes and bestows significance to rooms without being overbearing.
Equipped with CHELA (Int. Pat) wall brackets (unique for their ease of installation), **VELA** is ideal for bathrooms, kitchens, saunas and swimming pools because it not only heats the environment, but also allows you to dry any towel or garment to perfection.

MIXED FUNCTION

By inserting a special immersion heater (optional), **VELA** can also run while the heating system is switched off.

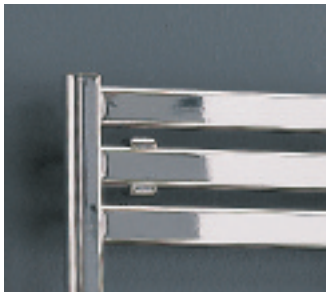
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
700	460	416	6,6	3,9	1071	**314**	1,215
	560	516	7,7	4,6	1227	**359**	1,225
9 rails - 1 space	660	616	8,8	5,3	1382	**405**	1,235
700 mm H	760	716	9,9	6,0	1538	**451**	1,245
1120	460	416	10,3	6,2	1603	**470**	1,247
	560	516	12,0	7,2	1884	**552**	1,244
14 rails - 2 spaces	660	616	13,6	8,3	2166	**635**	1,242
1120 mm H	760	716	15,2	9,4	2446	**717**	1,239
1610	460	416	14,6	8,8	2308	**676**	1,240
	560	516	17,0	10,4	2746	**805**	1,238
20 rails - 3 spaces	660	616	19,4	11,9	3185	**933**	1,235
1610 mm H	760	716	21,8	13,5	3623	**1062**	1,232
1820	460	416	16,3	10,1	2620	**768**	1,254
	560	516	19,0	11,9	3081	**903**	1,257
23 rails - 3 spaces	660	616	21,8	13,6	3541	**1038**	1,259
1820 mm H	760	716	24,6	15,4	4001	**1172**	1,262

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Edelweiss Opaque White (cod. 34)

Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.



Vela is available also in Chromium-plated finish.
See page 52
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

KART

CE 08
EN442-1

EN 442 EURONORM

Radiator painted in Standard White (cod. 01)

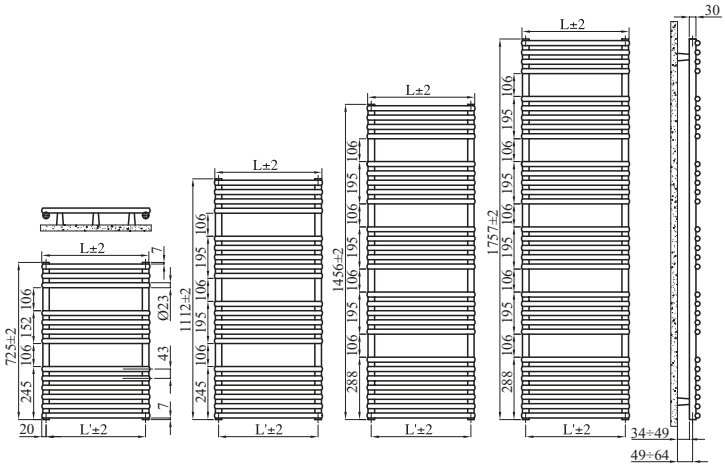
Bathroom Radiator **KART**

The **KART** line is synonymous with functionality and solidity. Thanks to its excellent performance, Kart is suitable for use in large bathrooms. The ample space between the tubes allows perfect use as a towel-warmer.

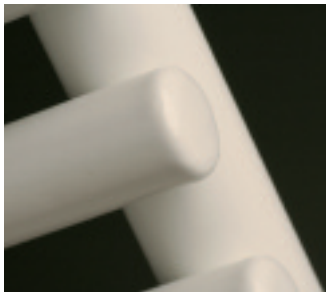
MIXED FUNCTION
By inserting a special immersion heater (optional), **KART** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
725 13 rails - 2 spaces 725 mm H	500	460	5,1	3,1	1103	**323**	1,179
	600	560	5,8	3,5	1275	**373**	1,177
	750	710	6,8	4,2	1532	**449**	1,175
1112 20 rails - 3 spaces 1112 mm H	500	460	7,8	4,7	1648	**483**	1,187
	600	560	8,9	5,4	1898	**556**	1,184
	750	710	10,5	6,5	2274	**666**	1,181
1456 26 rails - 4 spaces 1456 mm H	500	460	10,1	6,2	2170	**636**	1,200
	600	560	11,5	7,1	2497	**732**	1,191
	750	710	13,7	8,4	2974	**871**	1,181
1757 31 rails - 5 spaces 1757 mm H	500	460	12,1	7,4	2617	**767**	1,207
	600	560	13,8	8,4	3006	**881**	1,199
	750	710	16,3	10,1	3593	**1053**	1,190

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Standard White (cod. 01)



Detail of the manifold and the tubes.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

NEW

NET

Radiator painted in Claret (cod. 06)

Bathroom Radiator **NET**

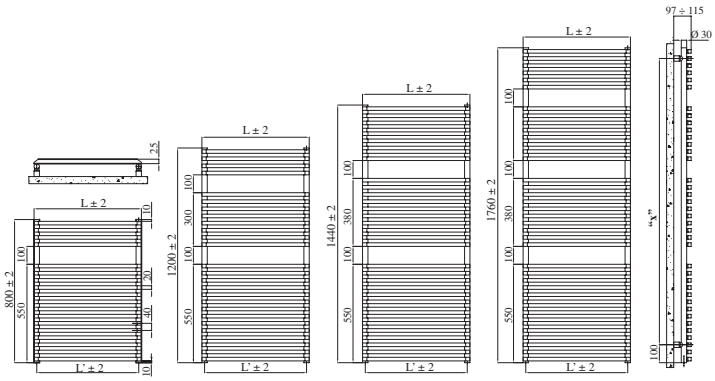
The rectangular profile of the horizontal tubes on the **NET** towel warmer radiator intersects with the circular section of the manifold, giving the radiator a special line and proportion. Its geometry fits into the bathroom space providing the ambient with personality.

MIXED FUNCTION

By inserting a special immersion heater (optional), **NET** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
800 18 rails - 1 space 800 mm H	500	470	7,7	4,6	1551	**454**	1,184
	600	570	9,0	5,3	1809	**530**	1,177
	750	720	10,9	6,4	2192	**642**	1,165
1200 26 rails - 2 spaces 1200 mm H	500	470	11,2	6,7	2211	**648**	1,203
	600	570	13,0	7,8	2559	**750**	1,190
	750	720	15,7	9,3	3080	**903**	1,169
1440 32 rails - 2 spaces 1440 mm H	500	470	13,7	8,2	2776	**813**	1,216
	600	570	15,9	9,5	3247	**951**	1,203
	750	720	19,3	11,4	3950	**1157**	1,182
1760 38 rails - 3 spaces 1760 mm H	500	470	16,4	9,8	3291	**964**	1,215
	600	570	19,0	11,3	3796	**1112**	1,204
	750	720	23,0	13,7	4559	**1336**	1,187

Heat output are estimated and are undergoing certification.
Power calculated with Δt 50°C.
For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$.**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Pearl White (cod. 16)

Detail of the 45° bevelled rectangular tubes.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

FLAUTO

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Satin Black (cod. 30)

Bathroom Radiator **FLAUTO**

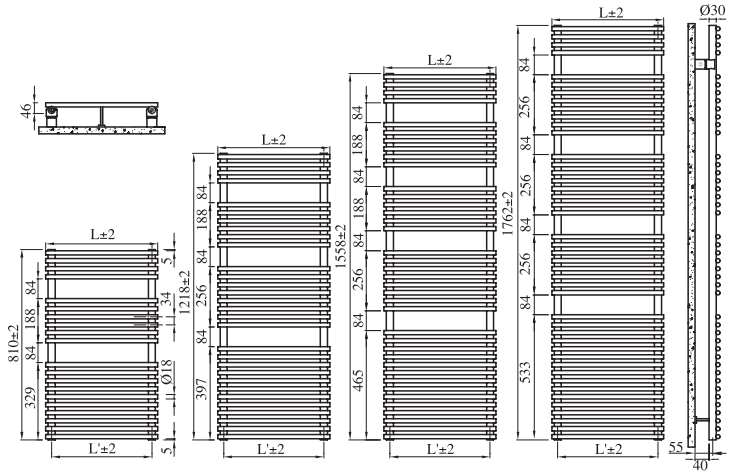
The design of the **FLAUTO** towel warmer is a sign of modernity: sober, measured and offering optimum performance. **FLAUTO** is ideal for heating bathrooms.

MIXED FUNCTION

By inserting a special immersion heater (optional), **FLAUTO** can also run while the heating system is switched off.

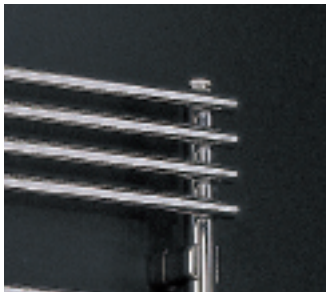
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	Δt=50°C Watt	Exponent n.
810	456	406	6,2	2,7	1403	**411**	1,179
	506	456	6,7	2,9	1522	**446**	1,177
	556	506	7,2	3,1	1642	**481**	1,175
20 rails - 2 spaces	606	556	7,7	3,2	1765	**517**	1,173
810 mm H	756	706	9,2	3,8	2126	**623**	1,167
1218	456	406	9,4	4,0	2044	**599**	1,187
	506	456	10,1	4,3	2212	**648**	1,184
	556	506	10,8	4,6	2382	**698**	1,181
30 rails - 3 spaces	606	556	11,6	4,9	2550	**747**	1,177
1218 mm H	756	706	13,8	5,7	3051	**894**	1,168
1558	456	406	11,9	5,1	2614	**766**	1,200
	506	456	12,8	5,5	2846	**834**	1,191
	556	506	13,8	5,8	3075	**901**	1,181
38 rails - 4 spaces	606	556	14,7	6,2	3307	**969**	1,172
1558 mm H	756	706	17,5	7,3	4003	**1173**	1,144
1762	456	406	13,7	5,9	3048	**893**	1,207
	506	456	14,8	6,3	3294	**965**	1,199
	556	506	15,9	6,7	3536	**1036**	1,190
44 rails - 4 spaces	606	556	17,0	7,1	3785	**1109**	1,181
1762 mm H	756	706	20,2	8,4	4519	**1324**	1,155

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Standard White (cod. 01)

Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.



Flauto is available also in Chromium-plated finish.
See page 58
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

FLAUTO 2

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Alluminum Grey RAL 9006 (cod. B4)

Bathroom Radiator **FLAUTO 2**

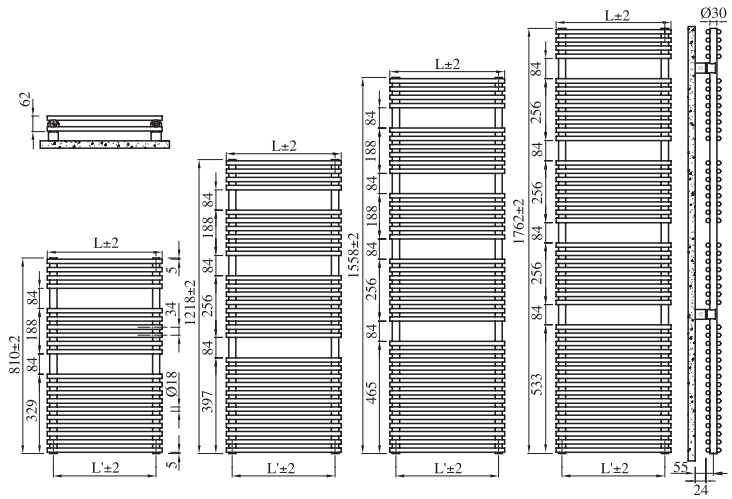
Thanks to the double sequence of tubes, **FLAUTO 2** offers the chance to increase the heat calorie output without exceeding minimal clearances.

MIXED FUNCTION

By inserting a special immersion heater (optional), **FLAUTO 2** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
810 40 rails - 2 spaces 810 mm H	456	406	10,8	4,4	1976	**579**	1,192
	506	456	11,8	4,8	2191	**642**	1,196
	556	506	12,8	5,2	2410	**706**	1,199
	606	556	13,7	5,6	2625	**769**	1,203
	756	706	16,7	6,7	3276	**960**	1,214
1218 60 rails - 3 spaces 1218 mm H	456	406	16,2	6,6	2799	**820**	1,221
	506	456	17,6	7,2	3109	**911**	1,221
	556	506	19,1	7,8	3420	**1002**	1,220
	606	556	20,6	8,3	3730	**1093**	1,220
	756	706	25,1	10,1	4666	**1367**	1,219
1558 76 rails - 4 spaces 1558 mm H	456	406	20,5	8,4	3608	**1057**	1,232
	506	456	22,4	9,1	3986	**1168**	1,223
	556	506	24,3	9,9	4365	**1279**	1,215
	606	556	26,2	10,6	4744	**1390**	1,206
	756	706	31,8	12,8	5881	**1723**	1,181
1762 88 rails - 4 spaces 1762 mm H	456	406	23,6	9,7	4109	**1204**	1,242
	506	456	25,8	10,5	4584	**1343**	1,230
	556	506	28,0	11,4	5061	**1483**	1,219
	606	556	30,2	12,2	5539	**1623**	1,207
	756	706	36,8	14,7	6969	**2042**	1,173

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Ivory (cod. 02)

Radiator painted in Standard White (cod. 01)

XILO

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Titanium Grey Metallic RAL 9006 (cod. B4)

Bathroom Radiator **XILO**

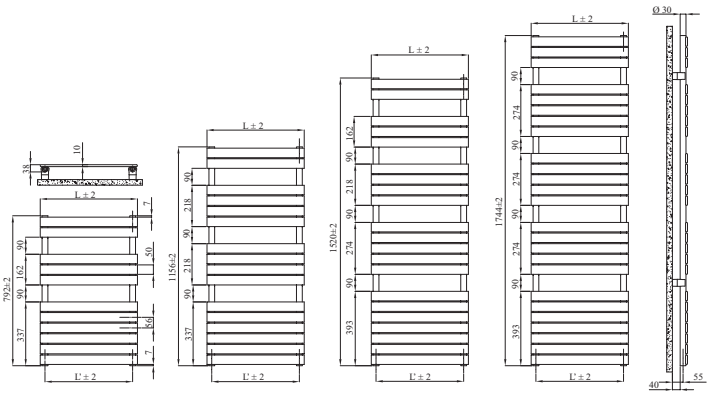
The **XILO** towel warmer is made of flat steel tubes and provides a high heat yield with a minimum water content. Its discreet and elegant presence ensures it blends perfectly with any bathroom interior design.

MIXED FUNCTION

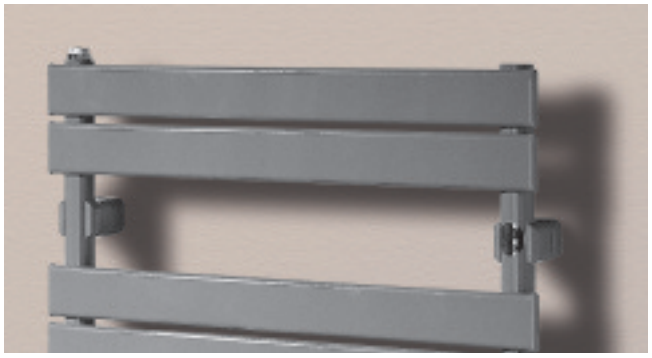
By inserting a special immersion heater (optional), **XILO** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
792	456	406	6,7	2,7	1287	**377**	1,200
	506	456	7,3	2,8	1407	**412**	1,199
	556	506	7,8	3,0	1527	**447**	1,198
11 rails - 2 spaces	606	556	8,3	3,2	1647	**483**	1,197
792 mm H	756	706	10,0	3,8	2007	**588**	1,195
1156	456	406	9,7	3,9	1732	**507**	1,180
	506	456	10,5	4,1	1903	**558**	1,178
	556	506	11,3	4,4	2073	**608**	1,177
16 rails - 3 spaces	606	556	12,1	4,7	2244	**658**	1,175
1156 mm H	756	706	14,5	5,5	2757	**808**	1,170
1520	456	406	12,8	5,1	2230	**654**	1,214
	506	456	13,8	5,4	2452	**718**	1,205
	556	506	14,9	5,8	2673	**783**	1,195
21 rails - 4 spaces	606	556	15,9	6,2	2895	**848**	1,186
1520 mm H	756	706	19,1	7,3	3559	**1043**	1,157
1744	456	406	15,1	6,0	2613	**766**	1,185
	506	456	16,3	6,4	2864	**839**	1,182
	556	506	17,6	6,8	3114	**912**	1,179
25 rails - 4 spaces	606	556	18,8	7,3	3365	**986**	1,176
1744 mm H	756	706	22,6	8,6	4116	**1206**	1,167

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Standard White (cod. 01)



Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.

Detail of original IRSAP design lockshield valve

Detail of original IRSAP design valve

XILO 2

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Greenwich Green (cod. B4)

Bathroom Radiator **XILO 2**

XILO 2 is available for high heat yield demands, characterised by a double sequence of tubes welded to the sides of the manifold.

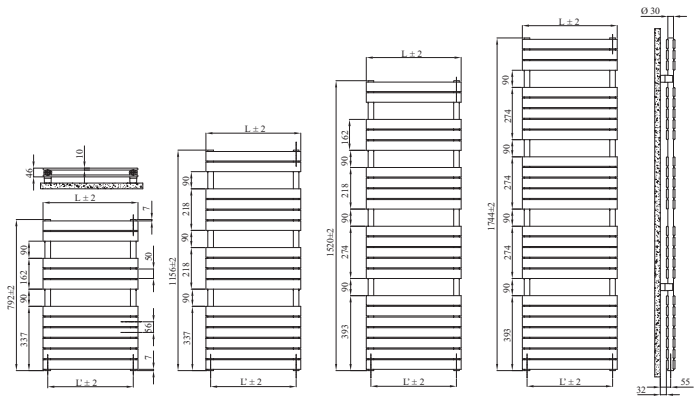
MIXED FUNCTION

By inserting a special immersion heater (optional), **XILO 2** can also run while the heating system is switched off.

PERFECT FOR LOW TEMPERATURE INSTALLATIONS

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	Δt=50°C **Watt**	Exponent n.
792 22 rails - 2 spaces 792 mm H	456	406	11,7	4,4	1819	**533**	1,192
	506	456	12,8	4,8	1986	**582**	1,189
	556	506	13,9	5,2	2154	**631**	1,186
	606	556	15,0	5,6	2321	**680**	1,184
	756	706	18,3	6,7	2822	**827**	1,175
1156 32 rails - 3 spaces 1156 mm H	456	406	17,0	6,4	2475	**725**	1,198
	506	456	18,6	7,0	2710	**794**	1,195
	556	506	20,2	7,5	2945	**863**	1,191
	606	556	21,8	8,1	3180	**932**	1,187
	756	706	26,6	9,8	3885	**1138**	1,177
1520 42 rails - 4 spaces 1520 mm H	456	406	22,3	8,4	3041	**891**	1,259
	506	456	24,4	9,2	3330	**976**	1,247
	556	506	26,5	9,9	3621	**1061**	1,234
	606	556	28,6	10,6	3910	**1146**	1,222
	756	706	34,9	12,8	4780	**1401**	1,184
1744 50 rails - 4 spaces 1744 mm H	456	406	26,5	9,7	3384	**992**	1,250
	506	456	28,6	10,8	3735	**1094**	1,240
	556	506	31,5	11,7	4086	**1197**	1,231
	606	556	34,0	12,6	4437	**1300**	1,221
	756	706	41,5	15,2	5489	**1608**	1,193

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Radiator painted in Natural Beige (cod. 38)

Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.

Detail of original IRSAP design lockshield valve

Detail of original IRSAP design valve

SAPPHIRE

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Standard White (cod. 01)

Bathroom Radiator **SAPPHIRE**

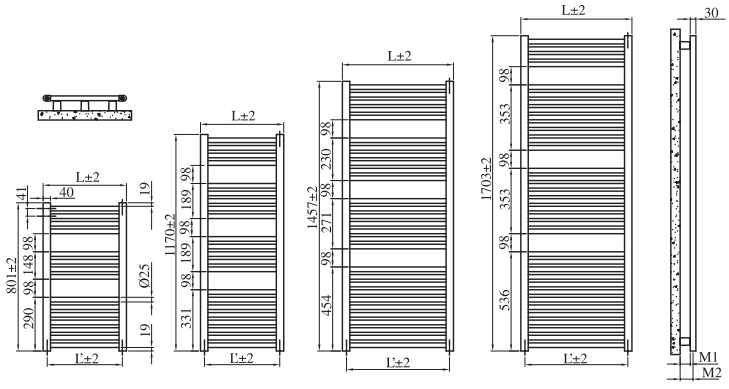
SAPPHIRE is a towel warmer radiator with essential lines, which happily combines high heat outputs with quality and convenience. Its simple and exact shape is easy to clean and an excellent towel warmer.
The **SAPPHIRE** "termoarredatore®" also comes in the 50 mm connection version (see right photo).

MIXED FUNCTION

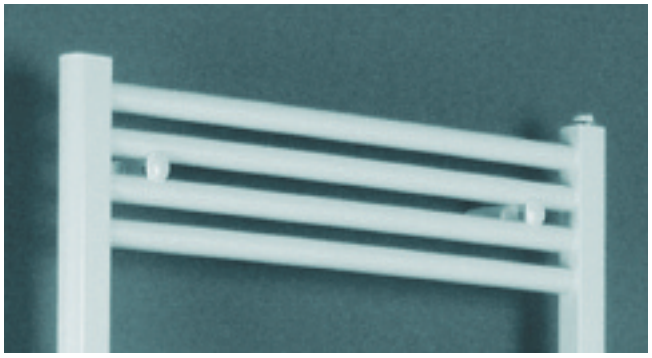
By inserting a special immersion heater (optional), **SAPPHIRE** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
801	450	406	6,3	3,7	1140	**334**	1,201
	500	456	6,8	4,0	1252	**367**	1,204
15 rails - 2 spaces	600	556	7,9	4,6	1477	**433**	1,211
801 mm H	750	706	9,5	5,5	1814	**532**	1,222
1170	450	406	9,2	5,4	1716	**503**	1,220
	500	456	9,9	5,9	1868	**547**	1,219
22 rails -3 spaces	600	556	11,5	6,7	2172	**636**	1,217
1170 mm H	750	706	13,8	8,1	2627	**770**	1,214
1457	450	406	11,8	7,0	2170	**636**	1,220
	500	456	12,8	7,6	2376	**696**	1,219
29 rails - 3 spaces	600	556	14,9	8,7	2786	**816**	1,217
1457 mm H	750	706	17,9	10,5	3405	**998**	1,214
1703	450	406	14,1	8,3	2531	**742**	1,235
	500	456	15,3	9,0	2787	**817**	1,233
35 rails - 3 spaces	600	556	17,8	10,4	3300	**967**	1,229
1703 mm H	750	706	21,5	12,5	4068	**1192**	1,223

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator with central water connections 50 mm painted in Standard White (cod. 01)



Detail of the wall brackets, supplied as standard.

Sapphire is available also in Chromium-plated finish.
See page 62
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

DIAMOND

130/047

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Standard White (cod. 01)

Bathroom Radiator **DIAMOND**

The **DIAMOND** towel warmer with its light and elegant line stands out for the curve of its horizontal rails. With its sober elegance and singular character, the **DIAMOND** radiator is particularly suited to bathrooms and kitchens.
The **DIAMOND** "termoarredatore®" also comes in the 50 mm connection version (see right photo).

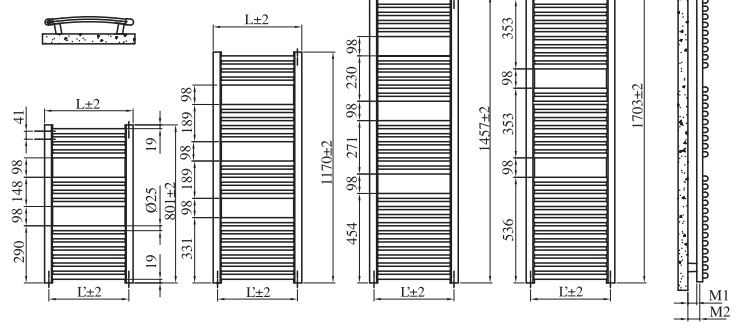
MIXED FUNCTION

By inserting a special immersion heater (optional), **DIAMOND** can also run while the heating system is switched off.

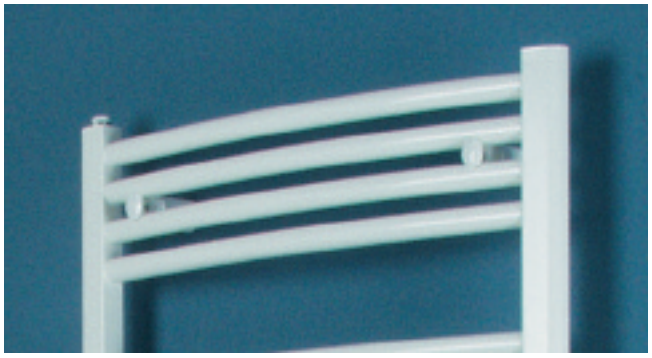
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
801	449	405	6,3	3,7	1140	**334**	1,201
	498	454	6,8	4,0	1252	**367**	1,204
15 rails - 2 spaces	596	553	7,9	4,6	1477	**433**	1,211
801 mm H	742	698	9,5	5,5	1814	**532**	1,222
1170	449	405	9,2	5,4	1716	**503**	1,220
	498	454	9,9	5,9	1868	**547**	1,219
22 rails -3 spaces	596	553	11,5	6,7	2172	**636**	1,217
1170 mm H	742	698	13,8	8,1	2627	**770**	1,214
1457	449	405	11,8	7,0	2170	**636**	1,220
	498	454	12,8	7,6	2376	**696**	1,219
29 rails - 3 spaces	596	553	14,9	8,7	2786	**816**	1,217
1457 mm H	742	698	17,9	10,5	3405	**998**	1,214
1703	449	405	14,1	8,3	2531	**742**	1,235
	498	454	15,3	9,0	2787	**817**	1,233
35 rails - 3 spaces	596	553	17,8	10,4	3300	**967**	1,229
1703 mm H	742	698	21,5	12,5	4068	**1192**	1,223

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
449	42	1300	45÷65	61÷81
498	47	1300	45÷65	61÷81
596	57	1300	35÷55	51÷71
742	75	1300	33÷53	50÷70



Radiator with central water connections 50 mm painted in Standard White (cod. 01)



Detail of the wall brackets, supplied as standard.

Diamond is available also in Chromium-plated finish.
See page 64
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

ARES

CE 05
EN442-1

EN EURONORM 442

Radiator painted in Standard White (cod. 01)

Bathroom Radiator **ARES**

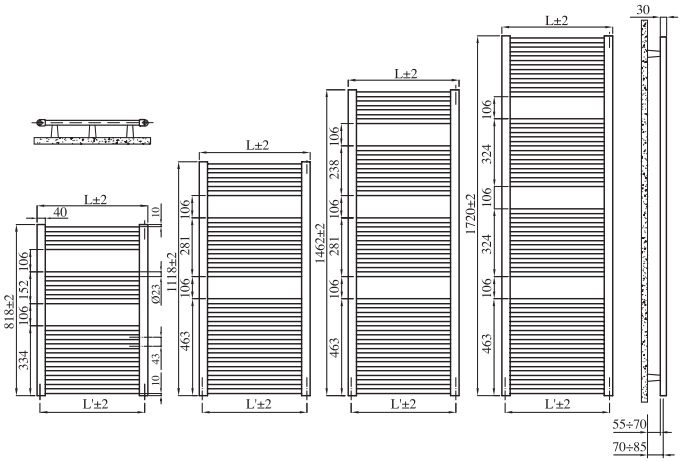
ARES is the answer to any functional and heating requirement. Thanks to the spaces between rails, it can be used to dry items of linen or as a towel warmer. Its subtle and elegant appearance makes **ARES** particularly suitable for bathrooms and kitchens where it blends easily with any interior.
The **ARES** "termoarredatore®" also comes in the 50 mm connection version (see right photo).

MIXED FUNCTION

By inserting a special immersion heater (optional), **ARES** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
818	450	420	6,1	3,3	1147	**336**	1,207
	500	470	6,7	3,6	1249	**366**	1,207
15 rails - 2 spaces	600	570	7,7	4,1	1452	**426**	1,206
818 mm H	750	720	9,2	4,8	1757	**515**	1,206
1118	450	420	8,7	4,7	1639	**480**	1,274
	500	470	9,5	5,1	1795	**526**	1,265
22 rails - 2 spaces	600	570	11,0	5,8	2105	**617**	1,246
1118 mm H	750	720	13,2	6,9	2570	**753**	1,219
1462	450	420	11,2	6,1	2106	**617**	1,226
	500	470	12,1	6,6	2306	**676**	1,226
28 rails - 3 spaces	600	570	14,0	7,5	2706	**793**	1,224
1462 mm H	750	720	16,8	8,9	3305	**969**	1,221
1720	450	420	13,4	7,3	2554	**748**	1,212
	500	470	14,6	7,9	2792	**818**	1,211
34 rails - 3 spaces	600	570	16,8	9,0	3267	**957**	1,210
1720 mm H	750	720	20,3	10,7	3979	**1166**	1,208

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator with central 50 mm connections painted in Standard White (cod. 01)

Ares is available also in Chromium-plated finish.
See page 78
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

VENUS

CE 05
EN442-1

EN 442 EURONORM

Radiator painted in Standard White (cod. 01)

Bathroom Radiator **VENUS**

VENUS is an interlacing of horizontal curved lines with a singular elegance. Thanks to its refined design, **VENUS** is ideal for any bathroom interior. Its linear and precise shape makes it easy to clean and an excellent towel warmer.
The **VENUS** "termoarredatore®" also comes in the 50 mm connection version (see right photo).

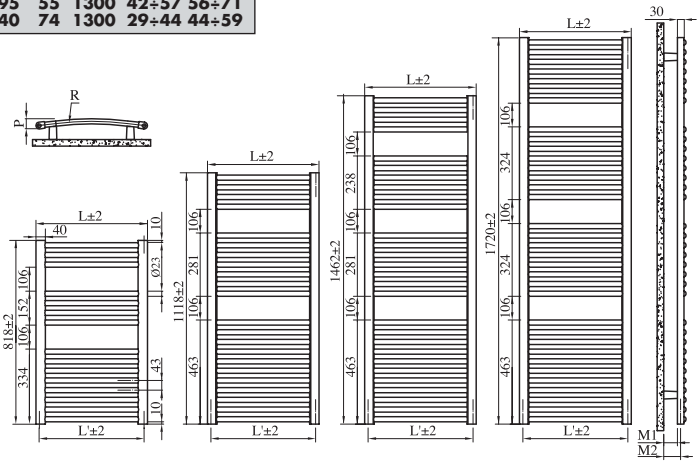
MIXED FUNCTION

By inserting a special immersion heater (optional), **VENUS** can also run while the heating system is switched off.

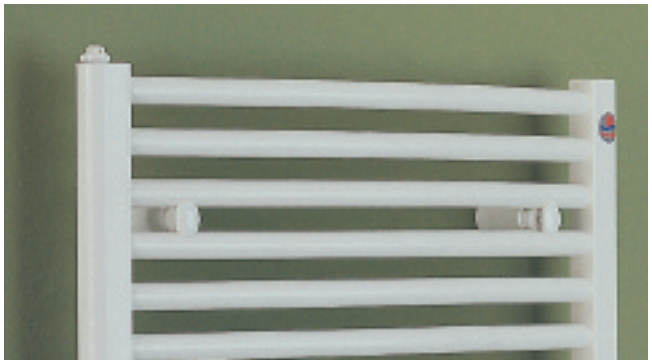
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
818 15 rails - 2 spaces 818 mm H	448	418	6,1	3,3	1147	**336**	1,207
	497	467	6,6	3,6	1249	**366**	1,207
	595	565	7,6	4,1	1452	**426**	1,206
	740	710	9,1	4,8	1757	**515**	1,206
1118 22 rails - 2 spaces 1118 mm H	448	418	8,7	4,7	1639	**480**	1,274
	497	467	9,4	5,1	1795	**526**	1,265
	595	565	10,9	5,8	2105	**617**	1,246
	740	710	13,0	6,8	2570	**753**	1,219
1462 28 rails - 3 spaces 1462 mm H	448	418	11,2	6,1	2106	**617**	1,226
	497	467	12,1	6,5	2306	**676**	1,226
	595	565	13,9	7,4	2706	**793**	1,224
	740	710	16,6	8,8	3305	**969**	1,221
1720 34 rails - 3 spaces 1720 mm H	448	418	13,4	7,3	2554	**748**	1,212
	497	467	14,5	7,8	2792	**818**	1,211
	595	565	16,7	8,9	3267	**957**	1,210
	740	710	20,0	10,6	3979	**1166**	1,208

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
497	45	1300	47÷62	62÷77
595	55	1300	42÷57	56÷71
740	74	1300	29÷44	44÷59



Radiator with central 50 mm connections painted in Standard White (cod. 01)



Detail of the wall brackets, supplied as standard.

Venus is available also in Chromium-plated finish.
See page 80
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

FILO

Chromium-plated

CE 05
EN442-1

EN 442 EURONORM

Chromium-plated radiator (cod. 50)

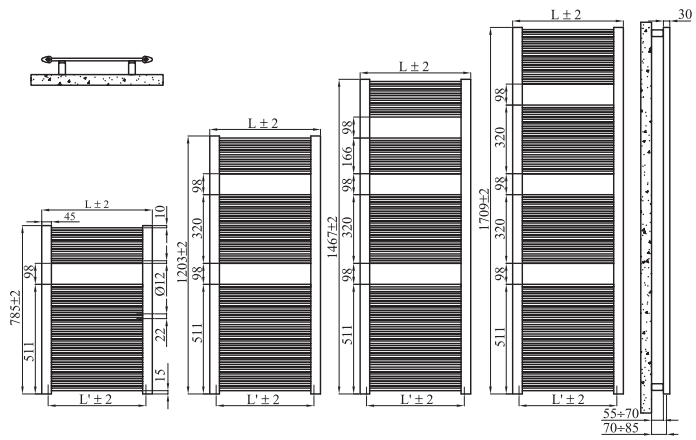
Bathroom Radiator **FILO**
Chromium-plated

With its youthful and dynamic spirit, its tasteful aesthetics and natural propensity for insertion into any environment, the **chromium plated** version of **FILO** is a valid solution for those wishing to make their personal taste stand out.
The intentionally slim-line and narrow horizontal rails, and the shape of the manifold, make every carefully designed detail of this radiator the perfect synthesis of an aesthetically balanced idea. Thanks to its new and appealing line, the **chromium plated** version of the **FILO** radiator becomes the protagonist in any type of interior design or environment.

MIXED FUNCTION
By inserting a special immersion heater (optional), **Chromium-plated FILO** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
785 31 rails - 1 space 785 mm H	466	406	6,0	2,2	823	**241**	1,252
	516	456	6,5	2,3	913	**268**	1,252
	616	556	7,5	2,5	1095	**321**	1,252
1203 46 rails - 2 spaces 1203 mm H	466	406	9,0	3,3	1242	**364**	1,273
	516	456	9,8	3,5	1379	**404**	1,273
	616	556	11,2	3,8	1654	**485**	1,273
1467 54 rails - 3 spaces 1467 mm H	466	406	10,8	4,0	1491	**437**	1,273
	516	456	11,6	4,2	1657	**485**	1,273
	616	556	13,3	4,6	1973	**578**	1,273
1709 65 rails - 3 spaces 1709 mm H	466	406	12,8	4,7	1800	**528**	1,299
	516	456	13,8	4,9	1999	**586**	1,299
	616	556	15,9	5,4	2397	**702**	1,299

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Chromium-plated radiator (cod. 50)

Chromium-plated radiator (cod. 50)

FLAUTO

Chromium-plated

CE 05
EN442-1

EN EURONORM 442

Chromium-plated radiator (cod. 50)

Bathroom Radiator **FLAUTO**
Chomium-plated

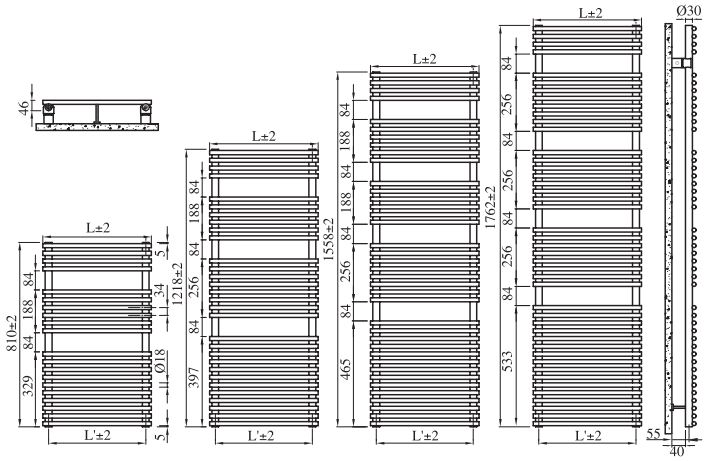
Innovative aesthetic criteria are emphasised in the **chromium-plated** version of the **FLAUTO** radiator. The charm of this version brings harmony to any bathroom environment and demonstrates how the choice of modern design and quality continues to evolve.

MIXED FUNCTION

By inserting a special immersion heater (optional), **Chromium-plated FLAUTO** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
810	456	406	6,2	2,7	926	**271**	1,180
	506	456	6,7	2,9	1023	**300**	1,178
	556	506	7,2	3,1	1120	**328**	1,177
20 rails - 2 spaces	606	556	7,7	3,2	1217	**357**	1,176
810 mm H	756	706	9,2	3,8	1507	**442**	1,172
1218	456	406	9,4	4,0	1360	**398**	1,220
	506	456	10,1	4,3	1481	**434**	1,218
	556	506	10,8	4,6	1601	**469**	1,217
30 rails - 3 spaces	606	556	11,6	4,9	1722	**505**	1,215
1218 mm H	756	706	13,8	5,7	2084	**611**	1,209
1558	456	406	11,9	5,1	1762	**516**	1,243
	506	456	12,8	5,5	1927	**565**	1,232
	556	506	13,8	5,8	2093	**613**	1,222
38 rails - 4 spaces	606	556	14,7	6,2	2259	**662**	1,212
1558 mm H	756	706	17,5	7,3	2755	**807**	1,180
1762	456	406	13,7	5,9	1980	**580**	1,243
	506	456	14,8	6,3	2163	**634**	1,237
	556	506	15,9	6,7	2346	**687**	1,230
44 rails - 4 spaces	606	556	17,0	7,1	2529	**741**	1,223
1762 mm H	756	706	20,2	8,4	3078	**902**	1,203

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Chromium-plated radiator (cod. 50)

Chromium-plated radiator (cod. 50)

VELA

Chromium-plated

130/047

CE 05
EN442-1

EN 442 EURONORM

Chromium-plated radiator (cod. 50)

Bathroom Radiator **VELA**
Chomium-plated

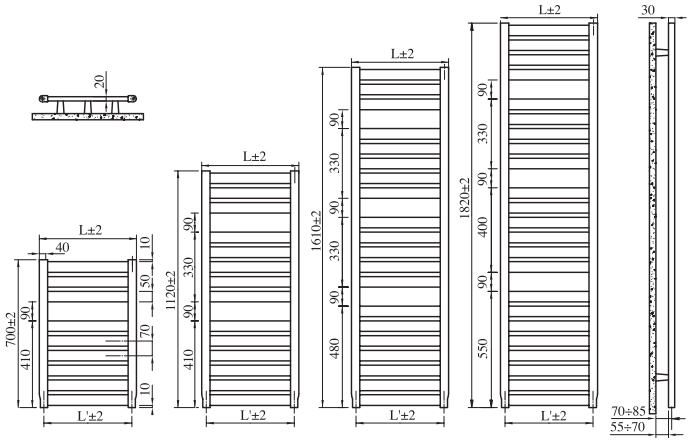
Chromium plated VELA: innovative inspiration for an essential but modern radiator. Technological detail united with a quality product make the VELA radiator a unique and fundamental feature for furnishing any home.

MIXED FUNCTION

By inserting a special immersion heater (optional), **Chromium-plated VELA** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	Δt=50°C Watt	Exponent n.
700 9 rails - 1 space 700 mm H	460	416	6,6	3,9	647	**190**	1,220
	560	516	7,7	4,6	762	**223**	1,248
	660	616	8,8	5,3	876	**257**	1,276
	760	716	9,9	6,0	990	**290**	1,304
1120 14 rails - 2 spaces 1120 mm H	460	416	10,3	6,2	986	**289**	1,319
	560	516	12,0	7,2	1179	**346**	1,309
	660	616	13,6	8,3	1373	**402**	1,298
	760	716	15,2	9,4	1566	**459**	1,287
1610 20 rails - 3 spaces 1610 mm H	460	416	14,6	8,8	1371	**402**	1,280
	560	516	17,0	10,4	1635	**479**	1,291
	660	616	19,4	11,9	1899	**556**	1,301
	760	716	21,8	13,5	2163	**634**	1,312
1820 23 rails - 3 spaces 1820 mm H	460	416	16,3	10,1	1542	**452**	1,301
	560	516	19,0	11,9	1839	**539**	1,309
	660	616	21,8	13,6	2137	**626**	1,318
	760	716	24,6	15,4	2433	**713**	1,327

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 4 bar
Maximum working temperature allowed: 95°C.



Chromium-plated radiator (cod. 50)

Detail of the exclusive "Chela" wall brackets, available in the same colour as the radiator and supplied as standard.

Vela is also available in the coloured version.
See page 32
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

ALATHERM

Chromium-plated

CE 05
EN442-1

EN EURONORM 442

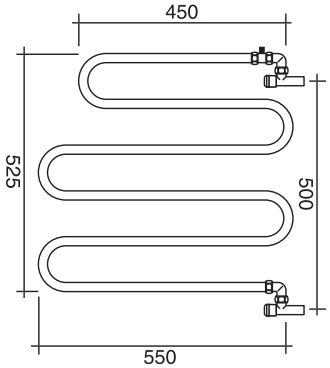
Chromium-plated radiator (cod. 50)

Bathroom Radiator **ALATHERM**
Chomium-plated

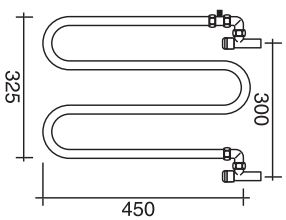
ALATHERM hinged towel warmer can be connected to the heating system or to the domestic water supply. It has been particularly designed for bathrooms, kitchens, laundries, and pleasantly warms hand towels, bath towels and other items.
It can be rotated through 180°, occupies very little room, and can be adapted to many interior design requirements.
It is made of chromium plated brass and comes in two models.
Size in mm: 450 x 325 h and 550 x 525 h.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
ALATHERM MINI 325 mm H	450	300	3,0	0,8	303,8	**89**	1,212
ALATHERM MAXI 525 mm H	550	500	4,3	1,3	433,5	**127**	1,212

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



MAXI



MINI


Chromium-plated radiator (cod. 50)


Chromium-plated radiator (cod. 50)

SAPPHIRE

Chromium-plated

CE 05
EN442-1

EN 442 EURONORM

Chromium-plated radiator (cod. 50)

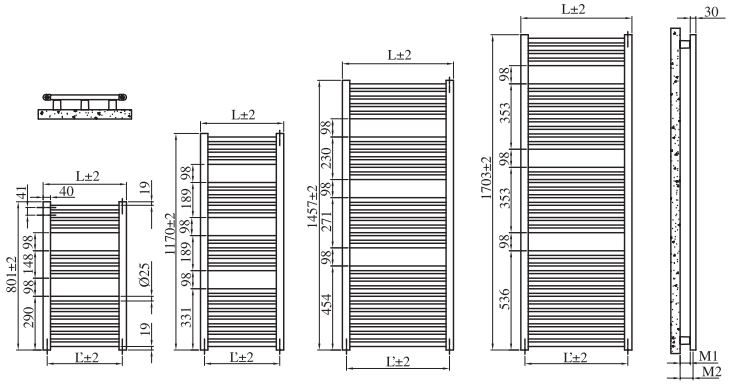
Bathroom Radiator **SAPPHIRE**
Chromium-plated

The Chromium-plated version of the **SAPPHIRE** towel warmer is aesthetically innovative. The essential line and modernity of the chromium plating make this steel towel warmer an indispensable statement for those wanting an interior design element in every room of the house.
In the picture on the right, **Chromium-plated Sapphire** with central water connections 50 mm version (on request).

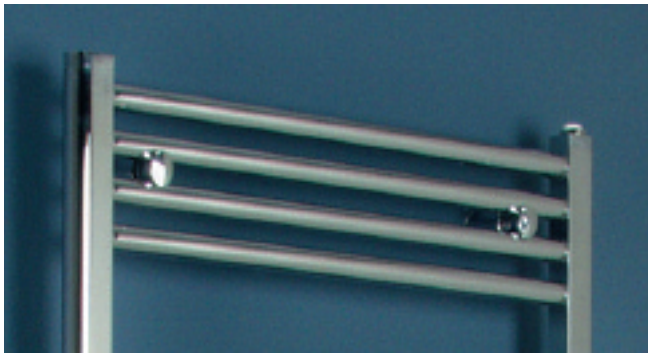
MIXED FUNCTION
By inserting a special immersion heater (optional), **Chromium-plated SAPPHIRE** 50mm can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
801	450	406	6,3	3,7	740	**217**	1,224
	500	456	6,8	4,0	827	**242**	1,223
15 rails - 2 spaces	600	556	7,9	4,6	1000	**293**	1,220
801 mm H	750	706	9,5	5,5	1260	**369**	1,216
1170	450	406	9,2	5,4	1115	**327**	1,230
	500	456	9,9	5,9	1230	**360**	1,229
22 rails -3 spaces	600	556	11,5	6,7	1460	**428**	1,228
1170 mm H	750	706	13,8	8,1	1805	**529**	1,225
1457	450	406	11,8	7,0	1428	**418**	1,230
	500	456	12,8	7,6	1580	**463**	1,229
29 rails - 3 spaces	600	556	14,9	8,7	1885	**552**	1,228
1457 mm H	750	706	17,9	10,5	2332	**683**	1,225
1703	450	406	14,1	8,3	1682	**493**	1,246
	500	456	15,3	9,0	1869	**548**	1,249
35 rails - 3 spaces	600	556	17,8	10,4	2234	**655**	1,256
1703 mm H	750	706	21,5	12,5	2786	**816**	1,265

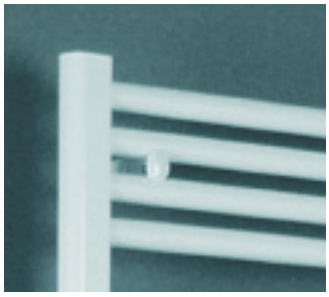
For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator with central 50 mm connections
Chromium-plated finish (cod. 50)



Detail of the wall brackets, supplied as standard.



Sapphire is available also in Standard White version.
See page 46
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

DIAMOND

Chromium-plated

Chromium-plated radiator (cod. 50)

CE 05
EN442-1

EN 442 EURONORM

Bathroom Radiator **DIAMOND**
Chromium-plated

The **chromium plated** version of the **DIAMOND** radiator. Thanks to its essential lines and the modernity of the chromium plating, **chromium plated DIAMOND** is a visually innovative towel warmer.
Particularly suited to installation in small rooms, DIAMOND meets the interior design requirements of today's homes.
In the picture on the right, **Chromium-plated Diamond** with central water connections 50 mm version (on request).

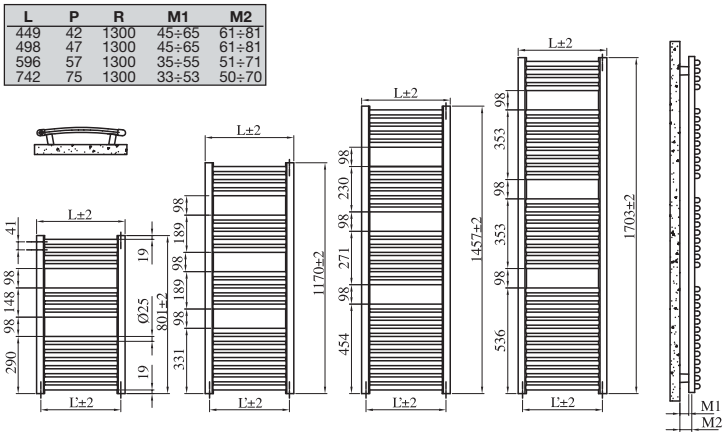
MIXED FUNCTION

By inserting a special immersion heater (optional), **Chromium-plated DIAMOND** can also run while the heating system is switched off.

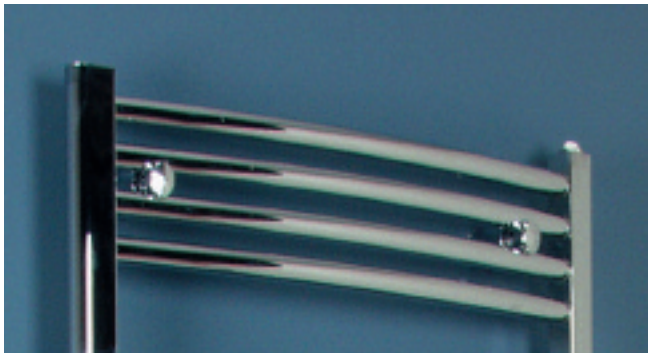
Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
801	449	405	6,3	3,7	740	**217**	1,224
	498	454	6,8	4,0	827	**242**	1,223
15 rails - 2 spaces	596	553	7,9	4,6	1000	**293**	1,220
801 mm H	742	698	9,5	5,5	1260	**369**	1,216
1170	449	405	9,2	5,4	1115	**327**	1,230
	498	454	9,9	5,9	1230	**360**	1,229
22 rails -3 spaces	596	553	11,5	6,7	1460	**428**	1,228
1170 mm H	742	698	13,8	8,1	1805	**529**	1,225
1457	449	405	11,8	7,0	1428	**418**	1,230
	498	454	12,8	7,6	1580	**463**	1,229
29 rails - 3 spaces	596	553	14,9	8,7	1885	**552**	1,228
1457 mm H	742	698	17,9	10,5	2332	**683**	1,225
1703	449	405	14,1	8,3	1682	**493**	1,246
	498	454	15,3	9,0	1866	**547**	1,249
35 rails - 3 spaces	596	553	17,8	10,4	2234	**655**	1,256
1703 mm H	742	698	21,5	12,5	2786	**816**	1,265

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
449	42	1300	45÷65	61÷81
498	47	1300	45÷65	61÷81
596	57	1300	35÷55	51÷71
742	75	1300	33÷53	50÷70



Radiator with central 50 mm connections
Chromium-plated finish (cod. 50)



Detail of the wall brackets, supplied as standard.

Diamond is available also in Standard White version.
See page 48
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

ARES

Chromium-plated

CE 05
EN442-1

EN 442 EURONORM

Chromium-plated radiator (cod. 50)

Bathroom Radiator **ARES**
Chomium-plated

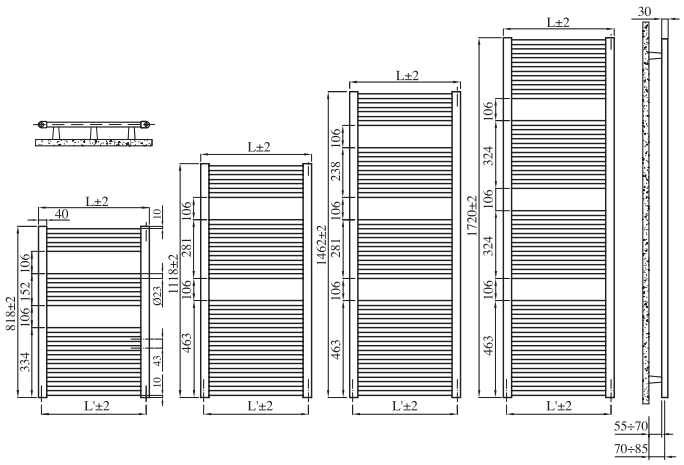
The **chromium plated** version of the **ARES** radiator. Thanks to its essential lines and the modernity of the chromium plating, chromium plated ARES is a visually innovative towel warmer. Particularly suited to installation in small rooms, ARES meets the interior design requirements of today's homes.
In the picture on the right, **Chromium-plated Ares** with central water connections 50 mm version (on request).

MIXED FUNCTION

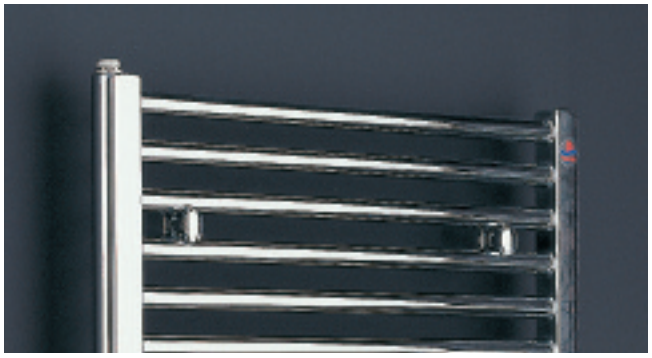
By inserting a special immersion heater (optional), **Chromium-plated ARES** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
818	450	420	6,1	3,3	747	**219**	1,269
	500	470	6,7	3,6	815	**239**	1,266
15 rails - 2 spaces	600	570	7,7	4,1	951	**279**	1,258
818 mm H	750	720	9,2	4,8	1155	**339**	1,247
1118	450	420	8,7	4,7	1077	**316**	1,259
	500	470	9,5	5,1	1182	**346**	1,257
22 rails - 2 spaces	600	570	11,0	5,8	1392	**408**	1,253
1118 mm H	750	720	13,2	6,9	1707	**500**	1,246
1462	450	420	11,2	6,1	1373	**402**	1,245
	500	470	12,1	6,6	1509	**442**	1,247
28 rails - 3 spaces	600	570	14,0	7,5	1781	**522**	1,249
1462 mm H	750	720	16,8	8,9	2188	**641**	1,254
1720	450	420	13,4	7,3	1670	**489**	1,251
	500	470	14,6	7,9	1837	**538**	1,250
34 rails - 3 spaces	600	570	16,8	9,0	2172	**636**	1,249
1720 mm H	750	720	20,3	10,7	2674	**783**	1,246

For Δt different from 50°C use the formula: $\mathbf{Q=Qn\ (\Delta t\ /\ 50)^n}$
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.



Radiator with central 50 mm connections
Chromium-plated finish (cod. 50)



Detail of the wall brackets, supplied as standard.

Ares is available also in Standard White version.
See page 50
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

VENUS

Chromium-plated

CE 05
EN442-1

EN EURONORM 442

Chromium-plated radiator (cod. 50)

Bathroom Radiator **VENUS**
Chromium-plated

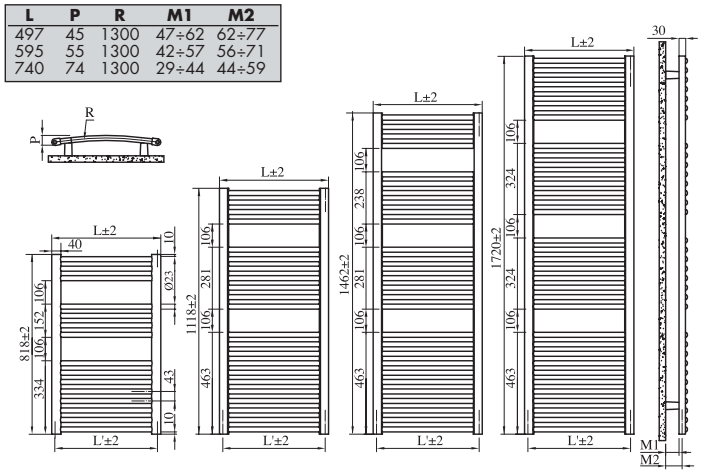
Chromium-plated version of the **VENUS** radiator. Its essential line and the modernity of the chromium-plating make VENUS an aesthetically innovative towel warmer. Particularly suited for installation in environments where there is little available space, **Chromium-plated VENUS** meets the design requirements of the home of today.
In the picture on the right, **Chromium-plated Venus** with central water connections 50 mm version (on request).

MIXED FUNCTION
By inserting a special immersion heater (optional), **Chromium-plated VENUS** can also run while the heating system is switched off.

Model	Width L mm	Conn. centre L' mm	Weight kg	Capacity lt	Δt=50°C Btu/h	**Δt=50°C Watt**	Exponent n.
818	448	418	3,3	6,1	747	**219**	1,269
	497	467	3,6	6,6	815	**239**	1,266
15 rails - 2 spaces	595	565	4,1	7,6	951	**279**	1,258
818 mm H	740	710	4,8	9,1	1155	**339**	1,247
1118	448	418	4,7	8,7	1077	**316**	1,259
	497	467	5,1	9,4	1182	**346**	1,257
22 rails - 2 spaces	595	565	5,8	10,9	1392	**408**	1,253
1118 mm H	740	710	6,8	13,0	1707	**500**	1,246
1462	448	418	6,1	11,2	1373	**402**	1,245
	497	467	6,5	12,1	1509	**442**	1,247
28 rails - 3 spaces	595	565	7,4	13,9	1781	**522**	1,249
1462 mm H	740	710	8,8	16,6	2188	**641**	1,254
1720	448	418	7,3	13,4	1670	**489**	1,251
	497	467	7,8	14,5	1837	**538**	1,250
34 rails - 3 spaces	595	565	8,9	16,7	2172	**636**	1,249
1720 mm H	740	710	10,6	20,0	2674	**783**	1,246

For Δt different from 50°C use the formula: **$Q=Qn\ (\Delta t / 50)^n$**
Maximum working pressure allowed: 8 bar
Maximum working temperature allowed: 95°C.

L	P	R	M1	M2
497	45	1300	47÷62	62÷77
595	55	1300	42÷57	56÷71
740	74	1300	29÷44	44÷59



Radiator with central 50 mm connections
Chromium-plated finish (cod. 50)

Detail of the wall brackets, supplied as standard.

Venus is available also in Standard White version.
See page 52
for specifications.

Detail of the electric heater with electronic control (a wireless version is also available). Both electric heaters can be installed as an optional for mixed radiator function.

FLAUTO
Electric

Radiator painted in Standard White (cod. 01). Immersion heaters with wireless electronic control.

CE

Bathroom Radiator **FLAUTO** *Electric*

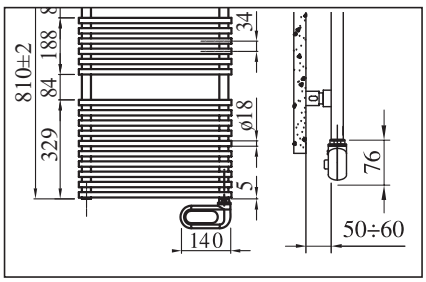
FLAUTO radiators are also available in an electric-only version for those situations where it is not possible, or worthwhile, to connect them to the normal heating system.
They are supplied complete with wall fixing kit.
Power supply 230 V / 1 ph / 50 Hz, class 2, IP 44.

Model	Width mm	Electric Power Watt
810	506	**400**
20 rails - 2 space - H mm 810		
1218	506	**600**
30 rails - 3 spaces - H mm 1218		
1558	506	**800**
38 rails - 4 spaces - H mm 1558		
1762	506	**1000**
44 rails - 4 spaces - H mm 1762		

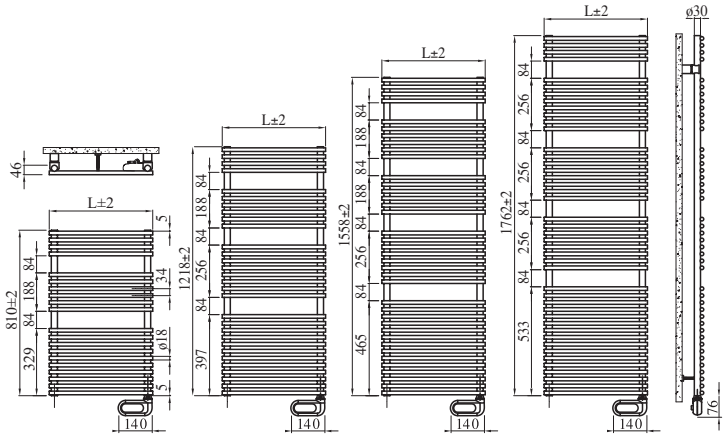
CE

Radiator electric painted in Standard White (cod. 01).

Available also with electric heater with electronic control.
Power supply 230 V /1 ph / 50 Hz, class 1, IP 54.



The diagrams illustrated below refer to the Flauto Electric radiator with a switch-controlled heater; for further details regarding overall dimensions and clearances, please refer to the section planes below.



THE NEW WIRELESS CONTROLLER
allows complete remote management of every electric radiator function. The controller features a weekly program function that allows energy savings according to your lifestyle and routine. A different code is associated with each transmitter to avoid interference with nearby homes. Because they are wireless, the radiofrequency controllers offer the advantage of being quick and easy to install. Commands are transmitted via radio waves. The transmitter can even be placed on a piece of furniture. Because there are no wires, there is no need to carry out any modifications within the home.

FLAUTO

Chromium-plated Electric

Chromium-plated radiator (cod. 50). Immersion heaters with wireless electronic control.

CE

Bathroom Radiator **FLAUTO**
Electric Chomium-plated

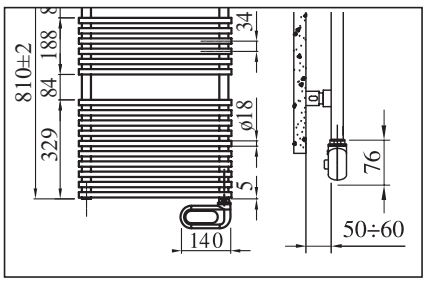
Chromium-plated FLAUTO radiators are also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit.
Power supply 230 V / 1 ph / 50 Hz, class 2, IP 44.

Model	Width mm	Electric Power Watt
810	506	**300**
20 rails - 2 space - H mm 810		
1218	506	**400**
30 rails - 3 spaces - H mm 1218		
1558	506	**600**
38 rails - 4 spaces - H mm 1558		
1762	506	**700**
44 rails - 4 spaces - H mm 1762		

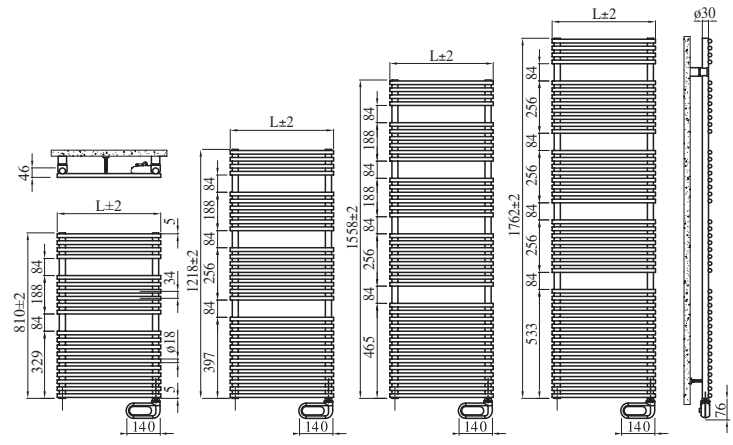
CE

Chromium-plated radiator (cod. 50)

Available also with electric heater with electronic control.
Power supply 230 V /1 ph / 50 Hz, class 1, IP 54.



The diagrams illustrated below refer to the Flauto Electric radiator with a switch-controlled heater; for further details regarding overall dimensions and clearances, please refer to the section planes below.



THE NEW WIRELESS CONTROLLER
allows complete remote management of every electric radiator function. The controller features a weekly program function that allows energy savings according to your lifestyle and routine. A different code is associated with each transmitter to avoid interference with nearby homes. Because they are wireless, the radiofrequency controllers offer the advantage of being quick and easy to install. Commands are transmitted via radio waves. The transmitter can even be placed on a piece of furniture. Because there are no wires, there is no need to carry out any modifications within the home.

VELA
Electric

Radiator painted in Edelweiss Opaque White (cod. 34). Immersion heaters with electronic control.

CE

Bathroom Radiator VELA *Electric*

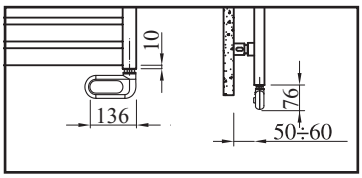
VELA radiators are also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system.
They are supplied complete with wall fixing kit.
Power supply 230 V / 1 ph / 50 Hz, class 2, IP 44.

Model	Width mm	Electric Power Watt
700	560	**400**
9 rails - 1 space - H mm 700		
1120	560	**400**
14 rails - 2 spaces - H mm 1120		
1610	560	**700**
20 rails - 3 spaces - H mm 1610		
1820	560	**1000**
23 rails - 3 spaces - H mm 1820		

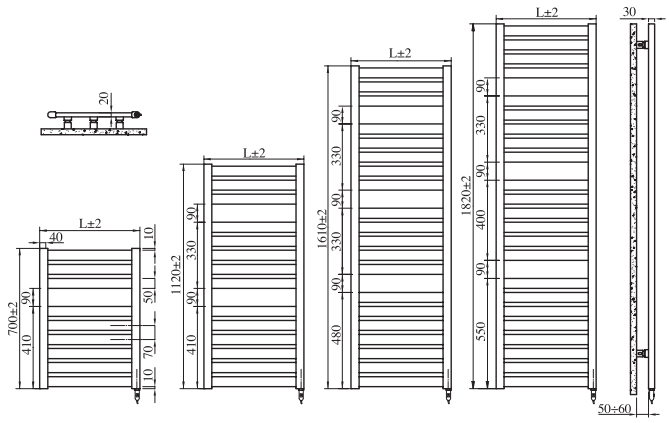
CE

Radiator painted in Edelweiss Opaque White (cod. 34)

Available also with electric heater with electronic control.
Power supply 230 V /1 ph / 50 Hz, class 1, IP 54.



The diagrams illustrated below refer to the Vela Electric radiator with a switch-controlled heater; for further details regarding overall dimensions and clearances, please refer to the section planes below.



THE NEW WIRELESS CONTROLLER
allows complete remote management of every electric radiator function. The controller features a weekly program function that allows energy savings according to your lifestyle and routine. A different code is associated with each transmitter to avoid interference with nearby homes. Because they are wireless, the radiofrequency controllers offer the advantage of being quick and easy to install. Commands are transmitted via radio waves. The transmitter can even be placed on a piece of furniture. Because there are no wires, there is no need to carry out any modifications within the home.

VELA

Chromium-plated Electric

Chromium-plated radiator (cod. 50). Immersion heaters with wireless electronic control.

CE

Bathroom Radiator **VELA**
Electric Chomium-plated

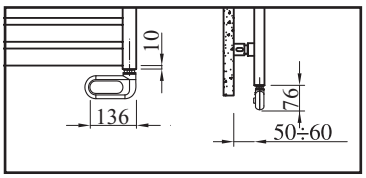
Chromium-plated VELA radiators are also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit.
Power supply 230 V / 1 ph / 50 Hz, class 2, IP 44.

Model	Width mm	Electric Power Watt
700	560	**400**
9 rails - 1 space - H mm 700		
1120	560	**400**
14 rails - 2 spaces - H mm 1120		
1610	560	**700**
20 rails - 3 spaces - H mm 1610		
1820	560	**1000**
23 rails - 3 spaces - H mm 1820		

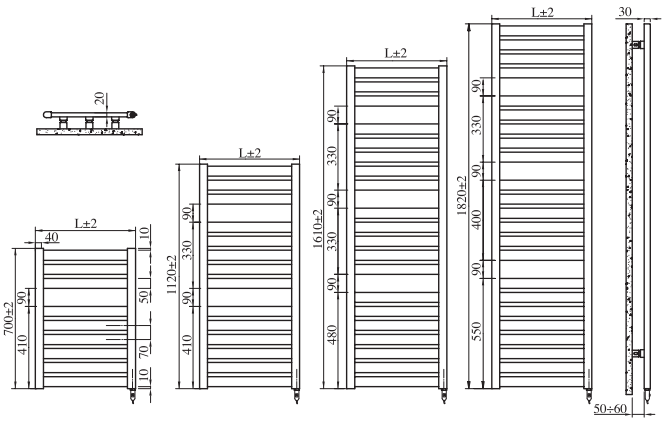
CE

Chromium-plated radiator (cod. 50)

Available also with electric heater with electronic control.
Power supply 230 V /1 ph / 50 Hz, class 1, IP 54.



The diagrams illustrated below refer to the Vela Chromium Electric radiator with a switch-controlled heater; for further details regarding overall dimensions and clearances, please refer to the section planes below.



THE NEW WIRELESS CONTROLLER
allows complete remote management of every electric radiator function. The controller features a weekly program function that allows energy savings according to your lifestyle and routine. A different code is associated with each transmitter to avoid interference with nearby homes. Because they are wireless, the radiofrequency controllers offer the advantage of being quick and easy to install. Commands are transmitted via radio waves. The transmitter can even be placed on a piece of furniture. Because there are no wires, there is no need to carry out any modifications within the home.

ARES

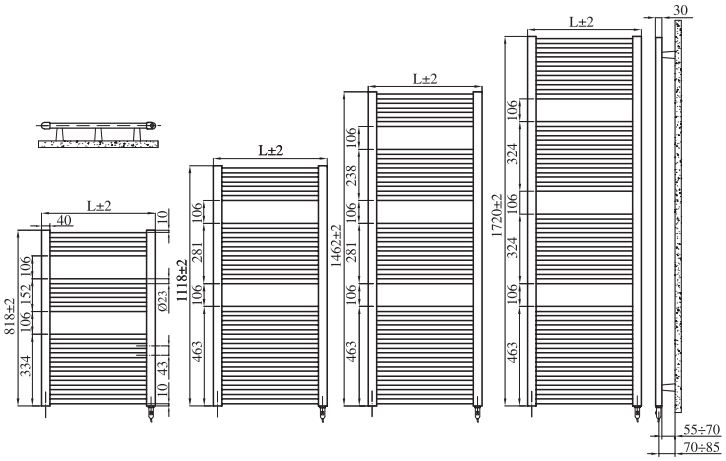
Electric

Radiator painted in Standard White (cod. 01). Immersion heaters with electronic control.

CE

Bathroom Radiator **ARES** *Electric*

ARES radiator is also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit. Power supply 230 V / 1 ph / 50 Hz, class 1, IP 54.



Radiator painted in Standard White (cod. 01)

Ares Electric

Model	Width mm	Electric Power Watt
818	580	**400**
15 rails - 2 spaces - H mm 818		
1118	580	**700**
22 rails - 2 spaces - H mm 1118		
1462	580	**700**
28 rails - 3 spaces - H mm 1462		
1720	580	**1000**
34 rails - 3 spaces - H mm 1720		

CE

IMMERSION HEATER with switch

Immersion heater with built-in thermostat, 230V, 50 Hz, 1 ph power supply with earth plate and class I insulation, in compliance with IP54. It means that the radiators can be used indipendent of the boiler.

ARES

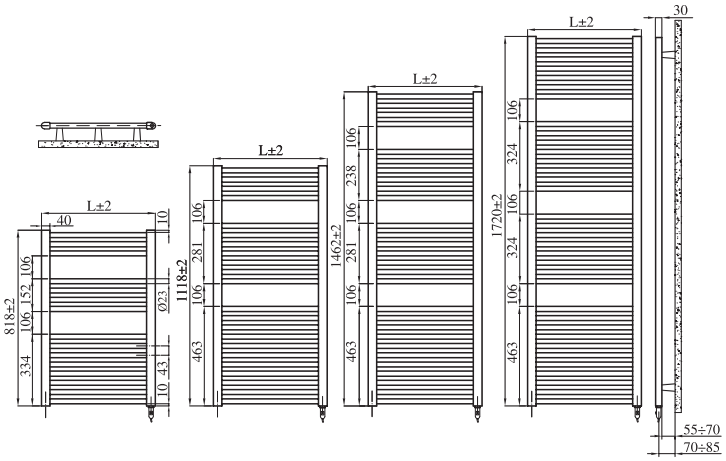
Chromium-plated Electric

Chromium-plated radiator (cod. 50). Immersion heaters with electronic control.

CE

Bathroom Radiator **ARES**
Electric Chomium-plated

Chromium-plated ARES radiator is available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit. Power supply 230 V / 1 ph / 50 Hz, class 1, IP 54.



Chromium-plated radiator (cod. 50)

Ares Electric Chromium-plated

Model	Width mm	Electric Power Watt
818	580	**400**
15 rails - 2 spaces - H mm 818		
1118	580	**400**
22 rails - 2 spaces - H mm 1118		
1462	580	**400**
28 rails - 3 spaces - H mm 1462		
1720	580	**700**
34 rails - 3 spaces - H mm 1720		

IMMERSION HEATER with switch

Immersion heater with built-in thermostat, 230V, 50 Hz, 1 ph power supply with earth plate and class I insulation, in compliance with IP54. It means that the radiators can be used indipendent of the boiler.

VENUS
Electric

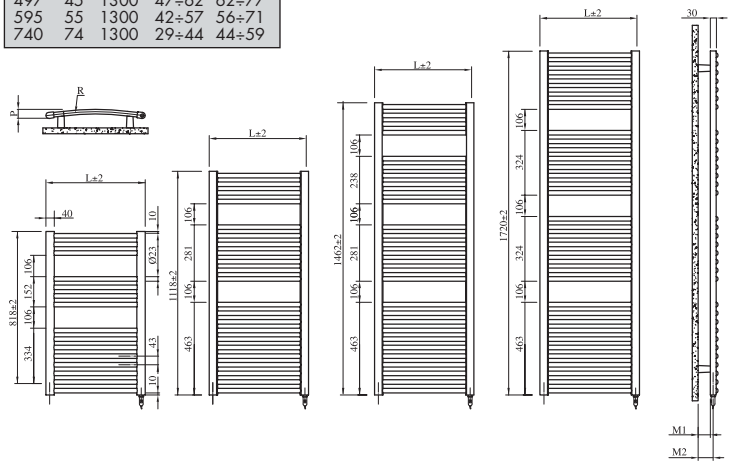
Radiator painted in Standard White (cod. 01). Immersion heaters with electronic control.

CE

Bathroom Radiator **VENUS** *Electric*

VENUS radiator is also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit. Power supply 230 V / 1 ph / 50 Hz, class 1, IP 54.

L	P	R	M1	M2
497	45	1300	47÷62	62÷77
595	55	1300	42÷57	56÷71
740	74	1300	29÷44	44÷59



Radiator painted in Standard White (cod. 01)

Venus Electric

Model	Width mm	Electric Power Watt
818	595	**400**
15 rails - 2 spaces - H mm 818		
1118	595	**400**
22 rails - 2 spaces - H mm 1118		
1462	595	**700**
28 rails - 3 spaces - H mm 1462		
1720	595	**1000**
34 rails - 3 spaces - H mm 1720		

CE

IMMERSION HEATER with switch

Immersion heater with built-in thermostat, 230V, 50 Hz, 1 ph power supply with earth plate and class I insulation, in compliance with IP54. It means that the radiators can be used indipendent of the boiler.

VENUS

Chromium-plated Electric

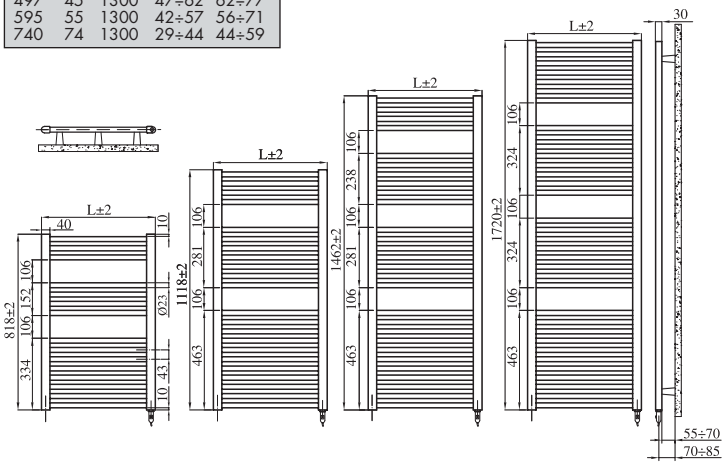
Chromium-plated radiator (cod. 50). Immersion heaters with electronic control.

CE

Bathroom Radiator **VENUS**
Electric Chomium-plated

Chromium-plated VENUS radiator is also available in an electric-only version for those situations where it is not possible, or worth-while, to connect them to the normal heating system. They are supplied complete with wall fixing kit. Power supply 230 V / 1 ph / 50 Hz, class 1, IP 54.

L	P	R	M1	M2
497	45	1300	47÷62	62÷77
595	55	1300	42÷57	56÷71
740	74	1300	29÷44	44÷59



Chromium-plated radiator (cod. 50)

Venus Electric Chromium-plated

Model	Width mm	Electric Power Watt
818	595	**300**
15 rails - 2 spaces - H mm 818		
1118	595	**400**
22 rails - 2 spaces - H mm 1118		
1462	595	**400**
28 rails - 3 spaces - H mm 1462		
1720	595	**700**
34 rails - 3 spaces - H mm 1720		

IMMERSION HEATER with switch

Immersion heater with built-in thermostat, 230V, 50 Hz, 1 ph power supply with earth plate and class I insulation, in compliance with IP54. It means that the radiators can be used indipendent of the boiler.

TESI3 EF

Radiator painted in Standard White (cod. 01)

CE

Electric Radiator **TESI3 EF**

Steel electric radiator with thermal fluid. **TESI 3 EF** steel electric radiators are excellent interior design radiators. They are painted in Standard White color (cod. 01). Electronic control with 'pilot-wire' control including off control, comfort control and night economy function (-3.5°C), antifreeze function (7°C).
The pilot-wire recognises 6 functions: Comfort, Off, Antifreeze function, Night economy function, Comfort -1°C, Comfort -2°C (the functions can operate only with the remote control pilot-wire).
The power supply cable is without plug.

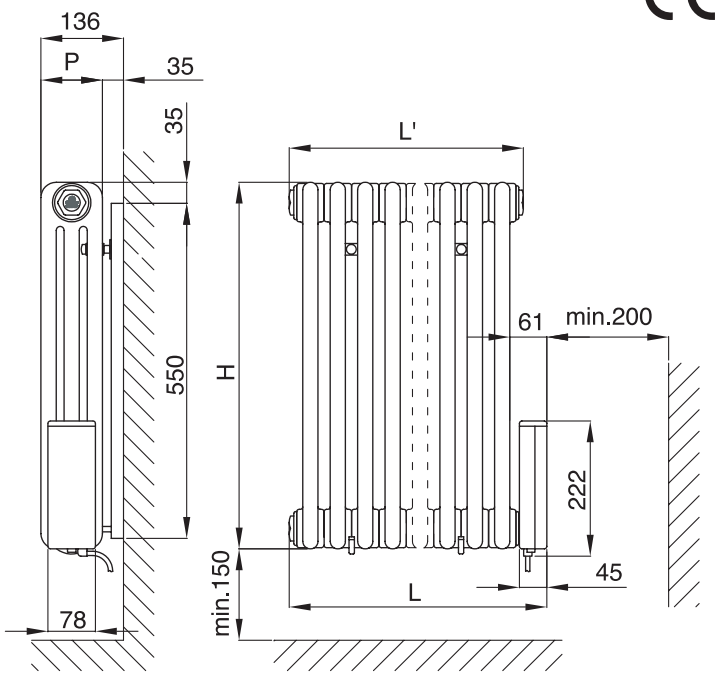
TECHNICAL FEATURES

Single phase power supply 230 V, 50 Hz, Class II, IP 24.

Model	Elements n.	Depht P mm	Height H mm	Tot. Width L mm	Width L' mm	Weigth* kg	Power Watt
TESI3EF-600-8	8	101	602	422	384	18,7	**400**
TESI3EF-600-12	12	101	602	602	564	27,6	**600**
TESI3EF-600-14	14	101	602	692	654	32,0	**800**
TESI3EF-600-17	17	101	602	827	789	38,7	**1000**
TESI3EF-600-20	20	101	602	962	924	45,4	**1200**
TESI3EF-600-23	23	101	602	1097	1059	52,1	**1500**
TESI3EF-600-29	29	101	602	1367	1329	65,4	**2000**

* Weight includes electric control

CE



Radiator painted in Standard White (cod. 01)

Radiator painted in Standard White (cod. 01)

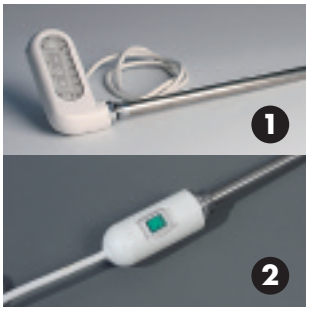
Detail of the electric heater controls.

Accessories

IRSAP VALVE AND LOCKSHIELD VALVE
Original IRSAP design valve and lockshield valve, for installation on copper, iron and multilayer systems.
Valves and lockshield valves with rounded shape, available with Chromium finish or painted Standard White.
Available in the normal or thermostatic version (i.e. they can be used with thermostatic heads).

VALVE AND LOCKSHIELD VALVE ASSEMBLIES
Matching valve and lockshield valve assemblies, complete with connections for installation on copper systems. The rounded valve assemblies are available in the polished and satin chromium-plated versions. These valves match perfectly every interior design product and more.
The square valve assemblies are available in the chromium-plated version and are particularly suited to interior design products with a similar line.

SPACE-SAVER VALVE AND LOCKSHIELD VALVE
Space-saver valves and lockshield valves, available in the normal or thermostatic (i.e. can be used with thermostatic heads). These valves are available in the chromium-plated version and reduce valve clearance in situations where a traditional valve cannot be installed.



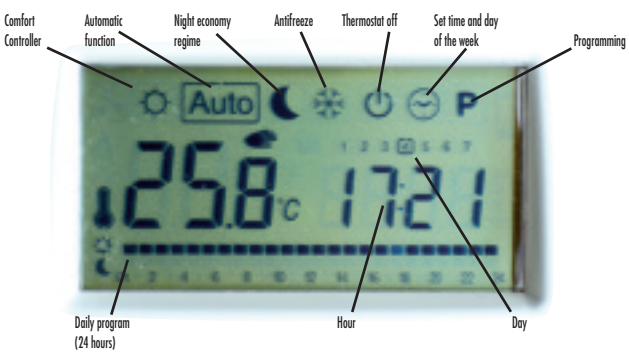
❶ IMMERSION HEATERS with quick connect electronic control
Immersion heater including built-in maximum water temperature thermostat set at 70°C, 230V, 1 ph, 50 Hz, class I insulation, in compliance with IP34 and electronic ambient temperature control termostat.

❷ IMMERSION HEATER with switch
Immersion heater with built-in thermostat, 230V, 50 Hz, 1 ph power supply with eart plate and class I insulation, in compliance with IP54. It means that the radiators can be used indipendent of the boiler.

For the entire accessory range, please consult the 2009 Price List

Wireless Controller

The new wireless controller allows complete remote management of every electric radiator function. The controller features a weekly program function that allows energy savings according to your lifestyle and routine. A different code is associated with each transmitter to avoid interference with nearby homes. Because they are wireless, the radiofrequency controllers offer the advantage of being quick and easy to install. Commands are transmitted via radio waves. The transmitter can even be placed on a piece of furniture. Because there are no wires, there is no need to carry out any modifications within the home.



Technical specifications
Wireless communication via radio signals transmitted to the receiver connected to the system.

- Approx. 30-50 metre range in residential environments (433 MHz).
- Radiofrequency communication pursuant to European standards.
- Optional ITCS (Intelligent Temperature Control System) for intelligent temperature control. This technology ensures the exact desired temperature at the set time.

Standard Colours

Cod. 01

STANDARD WHITE

Serie Classic Colours

Cod. 34	Cod. 36	Cod. 02	Cod. 35	Cod. 38	Cod. 26
EDELWEISS OPAQUE WHITE	WHITE WHISPER PEACH	IVORY **RAL 1013**	OPAQUE JASMINE	NATURAL BEIGE	BEIGE CREAM
Cod. 04	Cod. 05	Cod. 06	Cod. 11	Cod. 19	Cod. 28
YELLOW	RED **RAL 3000**	CLARET **RAL 3003**	HEWI BLUE	WOODLAND GREEN **RAL 6005**	GREENWICH GREEN
Cod. 03	Cod. 09	Cod. 10			
MANHATTAN GREY	BROWN	BLACK - **RAL 9005**			

Serie Special Colours

Cod. 16	Cod. 6D	Cod. B4	Cod. 5D	Cod. L6	Cod. L3
PEARL WHITE	AZURITE	ALUMINIUM GREY **RAL 9006**	SILVER GREY	PEARL GREY	TITANIUM GREY METALLIC **RAL 9023**
Cod. 4D	Cod. 32	Cod. 31	Cod. 18	Cod. 30	Cod. 1B
MEDIUM GREY	HAMMERED GREY METALLIC	QUARZ GREY METALLIC	GRAPHITE BLACK	SATIN BLACK	TOBACCO BROWN
Cod. 1C	Cod. 2C	Cod. 2D	Cod. 3D	Cod. 1D	Cod. 6C
QUARTZ 1	QUARTZ 2	SUNSTONE	GOLD	PURPLE BLUE	AZURITE 3
Cod. 8B	Cod. 7D	Cod. 7B			
OPAQUE BLUE	FLAME RED	OPAQUE RED			

Elegance-Finishes

Cod. 50	Cod. AS
CHROMIUM	SATIN STAINLESS STEEL FINISH

RAL COLOURS
RAL colour range available
on request (RAL 90 +/- 5 gloss series wad).

For technical reasons associated with colour reproduction in the print process the following shades are for guidance purposes only.

IRSAP SPA SAFEGUARDS ITS TECHNICAL AND AESTHETIC INNOVATIONS BY REGISTERING ITS PATENTS AND MODELS IN ITALY AND ABROAD.
IRSAP SAFEGUARDS ITS TRADEMARKS BY REGISTERING THEM IN ITALY AND ABROAD.

IRSAP
i termoarredatori

IRSAP SPA
45031 Arquà Polesine (RO) - Italy
Tel. 0425.466611 - Fax 0425.466662
E-mail: info@irsap.it • Web: www.irsap.com