



[®]**GLOBAL**
R A D I A T O R I





TO IMPROVE THE QUALITY OF LIFE

The vocation for quality has always been a fundamental corner-stone, a strategic choice that has allowed Global to operate in many European and extra-European countries to which most of the production is exported. The Company sees the criterion of sustainability as an essential value and source of well-being for all the people involved, respect for the environment throughout the production chain and in the total recyclability of aluminium, an eco-friendly raw material. Born and raised on the territory, Global projects itself into the future by integrating experience and innovation, passing down the know-how from father to son, trusting in the innovative skills of the younger generations whilst enhancing professional skills and expertise.

more than
50
YEARS
OF HISTORY

PRODUCTION
made in Global
ITALY

**RESEARCH &
DEVELOPMENT**
made in Global
ITALY

DESIGN
made in Global
ITALY

60.000 sqm
PRODUCTION
AREA

250
EMPLOYEES

more than
900
DISTRIBUTORS

more than
50
COUNTRIES
WORLDWIDE

ALUMINIUM RADIATORS: THE WINNING CHOICE

- 1 LIGHTWEIGHT
- 2 HIGH YIELD AT ALL TEMPERATURES
(even the lowest)
- 3 DEAL MATCH FOR ALL GENERATORS
(heat pumps, conventional boilers, stoves)
- 4 ABSENCE OF SLAG RELEASED TO THE SYSTEM
it does not ruin boilers and is rust-resistant
- 5 LOW THERMAL INERTIA
high comfort and savings
- 6 RECYCLABILITY

6 fundamental reasons

RADIATORS FOR ARCHITECTURE

SEBINO TONALE ANTEPRIMA

Radiators for Architecture is the new product line dedicated to the renewed housing levels and demands. Designed to achieve dynamic and flexible use of spaces, for new buildings and the refurbishing and restructuring of existing property assets, the latest models all boast new designs, new colours and multiple hydraulic connection options.

Sebino is the ultra-flat model, where all its heating force is encompassed within a design of just 6 cm.

Tonale is the reversible radiator, with no aesthetic constraints: one side with round tubes and one side with square tubes.

Anteprima gives a modern look to the multi-column version in iron or cast iron with its high emotional impact design.

Dedicated accessories are available with a play of contrast colours and multiple positioning; the simple practical value is turned into an aesthetic plus.

sebino

6 cm
ULTRASLIM
DESIGN

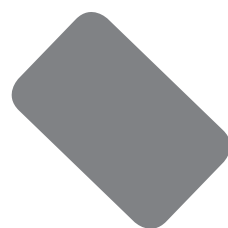
17
dimensions in
HEIGHT

11
dimensions in
LENGTH

154
SOLUTIONS

11
possible
HYDRAULIC
CONNECTIONS

10
finish
COLOURS



RADIATORS FOR ARCHITECTURE







Sebino 4 sections, 1735 pipe centres, matt dark grey colour, chrome grids, 918 Watt, 3 batteries with accessories



Sebino 6 sections, 2000 pipe centres, white matt colour, white grids, 1538 Watt, with accessories



SHAPED TOWEL RAILS
art. A218, colour matt dark grey

SHAPED TOWEL RAILS
art. A228, colour matt black





Sebino 8 sections, 700 pipe centres, white sand colour, white grids, 1052 Watt

SEBINO	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
350	5	384	420	60	350	1/2"	4,16	0,5	356	183	1,30044	2,19500
	6	384	500	60	350	1/2"	4,97	0,6	427	220	1,30044	2,63400
	7	384	580	60	350	1/2"	5,79	0,7	498	256	1,30044	3,07300
	8	384	660	60	350	1/2"	6,60	0,8	569	293	1,30044	3,51200
	9	384	740	60	350	1/2"	7,43	0,9	640	329	1,30044	3,95100
	10	384	820	60	350	1/2"	8,26	1,0	711	366	1,30044	4,39000
	11	384	900	60	350	1/2"	9,10	1,2	782	403	1,30044	4,82900
	12	384	980	60	350	1/2"	9,93	1,3	853	439	1,30044	5,26800
	13	384	1060	60	350	1/2"	10,78	1,4	924	476	1,30044	5,70700
	14	384	1140	60	350	1/2"	11,63	1,5	995	512	1,30044	6,14600
500	5	534	420	60	500	1/2"	5,40	0,7	458	235	1,31231	2,69925
	6	534	500	60	500	1/2"	6,46	0,8	550	281	1,31231	3,23910
	7	534	580	60	500	1/2"	7,52	0,9	641	328	1,31231	3,77895
	8	534	660	60	500	1/2"	8,58	1,1	733	375	1,31231	4,31880
	9	534	740	60	500	1/2"	9,64	1,2	824	422	1,31231	4,85865
	10	534	820	60	500	1/2"	10,70	1,3	916	469	1,31231	5,39850
	11	534	900	60	500	1/2"	11,81	1,5	1008	516	1,31231	5,93835
	12	534	980	60	500	1/2"	12,92	1,6	1099	563	1,31231	6,47820
	13	534	1060	60	500	1/2"	14,03	1,7	1191	610	1,31231	7,01805
	14	534	1140	60	500	1/2"	15,14	1,9	1282	657	1,31231	7,55790
530	5	564	420	60	530	1/2"	5,71	0,7	478	244	1,31468	2,78910
	6	564	500	60	530	1/2"	6,80	0,8	573	293	1,31468	3,34692
	7	564	580	60	530	1/2"	7,89	1,0	669	342	1,31468	3,90474
	8	564	660	60	530	1/2"	8,98	1,1	764	390	1,31468	4,46256
	9	564	740	60	530	1/2"	10,07	1,2	860	439	1,31468	5,02038
	10	564	820	60	530	1/2"	11,16	1,4	955	488	1,31468	5,57820
	11	564	900	60	530	1/2"	12,25	1,5	1051	537	1,31468	6,13602
	12	564	980	60	530	1/2"	13,34	1,7	1146	586	1,31468	6,69384
	13	564	1060	60	530	1/2"	14,42	1,8	1242	634	1,31468	7,25166
	14	564	1140	60	530	1/2"	15,51	1,9	1337	683	1,31468	7,80948
600	5	634	420	60	600	1/2"	6,24	0,8	523	266	1,32022	2,98590
	6	634	500	60	600	1/2"	7,46	0,9	627	319	1,32022	3,58308
	7	634	580	60	600	1/2"	8,69	1,1	732	372	1,32022	4,18026
	8	634	660	60	600	1/2"	9,91	1,2	836	426	1,32022	4,77744
	9	634	740	60	600	1/2"	11,15	1,4	941	479	1,32022	5,37462
	10	634	820	60	600	1/2"	12,39	1,5	1045	532	1,32022	5,97180
	11	634	900	60	600	1/2"	13,66	1,7	1150	585	1,32022	6,56898
	12	634	980	60	600	1/2"	14,92	1,8	1254	638	1,32022	7,16616
	13	634	1060	60	600	1/2"	16,20	2,0	1359	692	1,32022	7,76334
	14	634	1140	60	600	1/2"	17,48	2,1	1463	745	1,32022	8,36052
623	5	657	420	60	623	1/2"	6,48	0,8	537	274	1,32204	3,04695
	6	657	500	60	623	1/2"	7,72	0,9	644	328	1,32204	3,65634
	7	657	580	60	623	1/2"	8,96	1,1	752	383	1,32204	4,26573
	8	657	660	60	623	1/2"	10,20	1,2	859	438	1,32204	4,87512
	9	657	740	60	623	1/2"	11,43	1,4	967	492	1,32204	5,48451
	10	657	820	60	623	1/2"	12,67	1,5	1074	547	1,32204	6,09390
	11	657	900	60	623	1/2"	13,91	1,7	1181	602	1,32204	6,70329
	12	657	980	60	623	1/2"	15,14	1,9	1289	656	1,32204	7,31268
	13	657	1060	60	623	1/2"	16,38	2,0	1396	711	1,32204	7,92207
	14	657	1140	60	623	1/2"	17,62	2,2	1504	766	1,32204	8,53146

SEBINO	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
700	5	734	420	60	700	1/2"	7,06	0,8	585	297	1,32813	3,23925
	6	734	500	60	700	1/2"	8,45	1,0	701	356	1,32813	3,88710
	7	734	580	60	700	1/2"	9,84	1,2	818	415	1,32813	4,53495
	8	734	660	60	700	1/2"	11,23	1,4	935	474	1,32813	5,18280
	9	734	740	60	700	1/2"	12,64	1,5	1052	534	1,32813	5,83065
	10	734	820	60	700	1/2"	14,05	1,7	1169	593	1,32813	6,47850
	11	734	900	60	700	1/2"	15,48	1,9	1286	652	1,32813	7,12635
	12	734	980	60	700	1/2"	16,91	2,0	1403	712	1,32813	7,77420
	13	734	1060	60	700	1/2"	18,37	2,2	1520	771	1,32813	8,42205
	14	734	1140	60	700	1/2"	19,82	2,4	1637	830	1,32813	9,06990
730	5	764	420	60	730	1/2"	7,36	0,9	603	306	1,33050	3,30980
	6	764	500	60	730	1/2"	8,76	1,0	724	367	1,33050	3,97176
	7	764	580	60	730	1/2"	10,16	1,2	844	428	1,33050	4,63372
	8	764	660	60	730	1/2"	11,56	1,4	965	489	1,33050	5,29568
	9	764	740	60	730	1/2"	12,96	1,6	1085	550	1,33050	5,95764
	10	764	820	60	730	1/2"	14,36	1,7	1206	611	1,33050	6,61960
	11	764	900	60	730	1/2"	15,76	1,9	1327	672	1,33050	7,28156
	12	764	980	60	730	1/2"	17,17	2,1	1447	733	1,33050	7,94352
	13	764	1060	60	730	1/2"	18,57	2,3	1568	794	1,33050	8,60548
	14	764	1140	60	730	1/2"	19,97	2,4	1688	855	1,33050	9,26744
800	5	834	420	60	800	1/2"	7,90	0,9	645	326	1,33604	3,46420
	6	834	500	60	800	1/2"	9,45	1,1	774	391	1,33604	4,15704
	7	834	580	60	800	1/2"	11,00	1,3	903	456	1,33604	4,84988
	8	834	660	60	800	1/2"	12,55	1,5	1032	522	1,33604	5,54272
	9	834	740	60	800	1/2"	14,13	1,7	1161	587	1,33604	6,23556
	10	834	820	60	800	1/2"	15,70	1,9	1290	652	1,33604	6,92840
	11	834	900	60	800	1/2"	17,31	2,1	1419	717	1,33604	7,62124
	12	834	980	60	800	1/2"	18,91	2,2	1548	782	1,33604	8,31408
	13	834	1060	60	800	1/2"	20,54	2,4	1677	848	1,33604	9,00692
	14	834	1140	60	800	1/2"	22,16	2,6	1806	913	1,33604	9,69976
813	5	847	420	60	813	1/2"	8,06	0,9	653	330	1,33707	3,49145
	6	847	500	60	813	1/2"	9,60	1,1	783	395	1,33707	4,18974
	7	847	580	60	813	1/2"	11,14	1,3	914	461	1,33707	4,88803
	8	847	660	60	813	1/2"	12,67	1,5	1044	527	1,33707	5,58632
	9	847	740	60	813	1/2"	14,21	1,7	1175	593	1,33707	6,28461
	10	847	820	60	813	1/2"	15,74	1,9	1305	659	1,33707	6,98290
	11	847	900	60	813	1/2"	17,28	2,1	1436	725	1,33707	7,68119
	12	847	980	60	813	1/2"	18,81	2,3	1566	791	1,33707	8,37948
	13	847	1060	60	813	1/2"	20,35	2,5	1697	857	1,33707	9,07777
	14	847	1140	60	813	1/2"	21,88	2,7	1827	923	1,33707	9,77606
900	4	934	340	60	900	1/2"	7,01	0,8	563	283	1,34395	2,93084
	5	934	420	60	900	1/2"	8,73	1,0	704	354	1,34395	3,66355
	6	934	500	60	900	1/2"	10,44	1,2	844	425	1,34395	4,39626
	7	934	580	60	900	1/2"	12,16	1,4	985	496	1,34395	5,12897
	8	934	660	60	900	1/2"	13,87	1,6	1126	566	1,34395	5,86168
	9	934	740	60	900	1/2"	15,62	1,8	1266	637	1,34395	6,59439
	10	934	820	60	900	1/2"	17,36	2,1	1407	708	1,34395	7,32710
	11	934	900	60	900	1/2"	19,13	2,3	1548	779	1,34395	8,05981
	12	934	980	60	900	1/2"	20,90	2,5	1688	850	1,34395	8,79252
	13	934	1060	60	900	1/2"	22,70	2,7	1829	920	1,34395	9,52523
	14	934	1140	60	900	1/2"	24,50	2,9	1970	991	1,34395	10,25794

SEBINO	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
1000	4	1034	340	60	1000	1/2"	7,68	0,9	608	305	1,34937	3,10228
	5	1034	420	60	1000	1/2"	9,56	1,1	761	382	1,34937	3,87785
	6	1034	500	60	1000	1/2"	11,44	1,3	913	458	1,34937	4,65342
	7	1034	580	60	1000	1/2"	13,32	1,6	1065	534	1,34937	5,42899
	8	1034	660	60	1000	1/2"	15,20	1,8	1217	610	1,34937	6,20456
	9	1034	740	60	1000	1/2"	17,11	2,0	1369	687	1,34937	6,98013
	10	1034	820	60	1000	1/2"	19,01	2,2	1521	763	1,34937	7,75570
	11	1034	900	60	1000	1/2"	20,95	2,5	1673	839	1,34937	8,53127
	12	1034	980	60	1000	1/2"	22,89	2,7	1825	916	1,34937	9,30684
	13	1034	1060	60	1000	1/2"	24,87	2,9	1977	992	1,34937	10,08241
	14	1034	1140	60	1000	1/2"	26,84	3,1	2129	1068	1,34937	10,85798
1200	4	1234	340	60	1200	1/2"	9,09	1,0	697	348	1,36022	3,40532
	5	1234	420	60	1200	1/2"	11,26	1,3	871	435	1,36022	4,25665
	6	1234	500	60	1200	1/2"	13,43	1,6	1045	522	1,36022	5,10798
	7	1234	580	60	1200	1/2"	15,64	1,8	1219	609	1,36022	5,95931
	8	1234	660	60	1200	1/2"	17,84	2,1	1394	696	1,36022	6,81064
	9	1234	740	60	1200	1/2"	20,09	2,3	1568	783	1,36022	7,66197
	10	1234	820	60	1200	1/2"	22,33	2,6	1742	870	1,36022	8,51330
1400	4	1434	340	60	1400	1/2"	10,44	1,2	782	388	1,37107	3,66232
	5	1434	420	60	1400	1/2"	12,93	1,5	978	485	1,37107	4,57790
	6	1434	500	60	1400	1/2"	15,42	1,8	1173	582	1,37107	5,49348
	7	1434	580	60	1400	1/2"	17,96	2,1	1369	679	1,37107	6,40906
	8	1434	660	60	1400	1/2"	20,49	2,4	1564	776	1,37107	7,32464
	9	1434	740	60	1400	1/2"	23,07	2,7	1760	873	1,37107	8,24022
	10	1434	820	60	1400	1/2"	25,64	3,0	1955	970	1,37107	9,15580
1600	4	1634	340	60	1600	1/2"	11,79	1,3	864	429	1,37144	4,04204
	5	1634	420	60	1600	1/2"	14,60	1,7	1081	536	1,37144	5,05255
	6	1634	500	60	1600	1/2"	17,41	2,0	1297	643	1,37144	6,06306
	7	1634	580	60	1600	1/2"	20,27	2,3	1513	750	1,37144	7,07357
	8	1634	660	60	1600	1/2"	23,13	2,7	1729	858	1,37144	8,08408
	9	1634	740	60	1600	1/2"	26,04	3,0	1945	965	1,37144	9,09459
	10	1634	820	60	1600	1/2"	28,95	3,3	2161	1072	1,37144	10,10510
1735	4	1769	340	60	1735	1/2"	12,71	1,4	918	456	1,37169	4,29132
	5	1769	420	60	1735	1/2"	15,68	1,8	1148	570	1,37169	5,36415
	6	1769	500	60	1735	1/2"	18,65	2,1	1378	683	1,37169	6,43698
	7	1769	580	60	1735	1/2"	21,62	2,5	1607	797	1,37169	7,50981
	8	1769	660	60	1735	1/2"	24,58	2,9	1837	911	1,37169	8,58264
	9	1769	740	60	1735	1/2"	27,55	3,2	2066	1025	1,37169	9,65547
	10	1769	820	60	1735	1/2"	30,52	3,6	2296	1139	1,37169	10,72830
1800	4	1834	340	60	1800	1/2"	13,14	1,5	944	468	1,37181	4,40960
	5	1834	420	60	1800	1/2"	16,27	1,8	1181	586	1,37181	5,51200
	6	1834	500	60	1800	1/2"	19,40	2,2	1417	703	1,37181	6,61440
	7	1834	580	60	1800	1/2"	22,59	2,6	1653	820	1,37181	7,71680
	8	1834	660	60	1800	1/2"	25,78	3,0	1889	937	1,37181	8,81920
	9	1834	740	60	1800	1/2"	29,02	3,3	2125	1054	1,37181	9,92160
	10	1834	820	60	1800	1/2"	32,26	3,7	2361	1171	1,37181	11,02400
2000	4	2034	340	60	2000	1/2"	14,49	1,6	1026	509	1,37220	4,78228
	5	2034	420	60	2000	1/2"	17,94	2,0	1282	636	1,37220	5,97785
	6	2034	500	60	2000	1/2"	21,39	2,4	1538	763	1,37220	7,17342
	7	2034	580	60	2000	1/2"	24,91	2,8	1795	890	1,37220	8,36899
	8	2034	660	60	2000	1/2"	28,42	3,2	2051	1018	1,37220	9,56456
	9	2034	740	60	2000	1/2"	32,00	3,7	2308	1145	1,37220	10,76013
	10	2034	820	60	2000	1/2"	35,57	4,1	2564	1272	1,37220	11,95570

The heat output of the Global radiators is seen in the results of the tests carried out in accordance with the EN 442 standard



Thermal performance according to EN 442

The heat output of the Global sections highlighted in the catalogue are certified in accordance with the EN 442 standard, drawn up to respond to the standardisation requirements of heat output in the Member States of the European Community. The advantages of a low temperature system will generate:

- lower fuel consumption due to the decrease in passive losses of thermal energy from boilers, pipes and heaters;
- improved hygiene of heated environments: this solution limits the convective motion of the air to the least necessary;
- lower thermal gradients in heated rooms with a consequent improvement of environmental comfort.

Heat output with ΔT other than 50°C and 30°C

The variation in heat output (P) is calculated by applying the characteristic equation $P = K_m \cdot \Delta T^n$

where P = heat output

K_m = characteristic coefficient of each radiator model

n = distinctive coefficient of the heating element

ΔT = the resultant of this equation $t_m - t_a$

where $t_m = t_e + t_u / 2$

t_e = entry water temperature

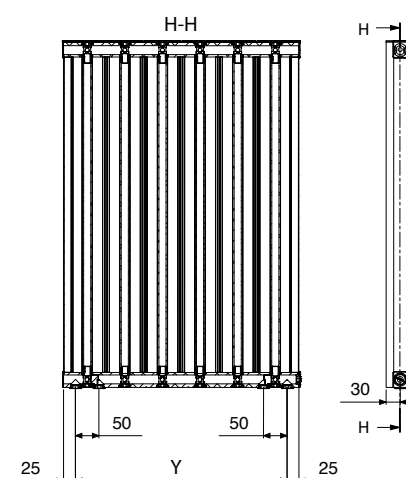
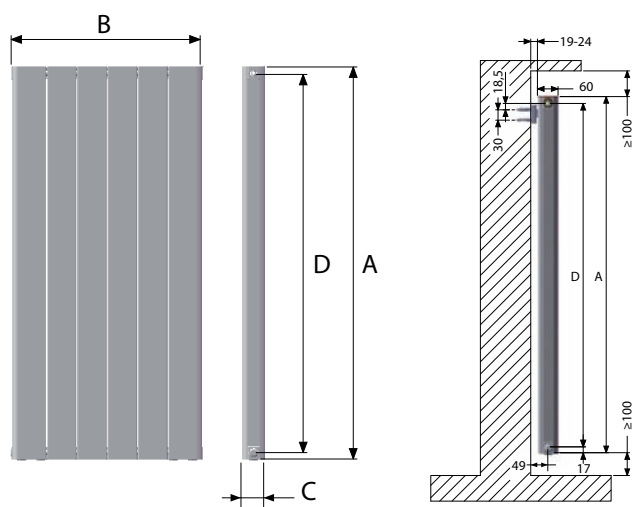
t_u = exit water temperature

t_a = room temperature (standard 20°C)

t_m = mean water temperature

Example Sebino 1600/10 sections, ΔT 40°C

$$P = K_m \cdot \Delta T^n \rightarrow P = 10,105 \cdot 40^{1,37144} = 1591 \text{ Watt}$$



sections	Y
4	290
5	370
6	450
7	530
8	610
9	690
10	770
11	850
12	930
13	1010
14	1090

Y = pipe centres with connections from the floor

In order to prevent thermal expansion of the system from causing noise at the heaters, it is recommended to position the plastic brackets (art. A051, included in the supply) in the centre of the space provided.

The highest heat output can be obtained by mounting the radiators observing the following distances:
 = 19 - 24 mm from the wall
 ≥ 100 mm from the floor
 ≥ 100 mm from the shelf or window-sills

CORRECT INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS

- Sebino radiators can be used in all hot water or vapour heating installations up to 110°C with a working pressure up to 1600 K Pascal -16 bar.
- They can be installed in systems using iron, copper or thermoplastic pipes.
- In order to preserve the systems from scaling and corrosion, it is recommended to check the pH of the water (preferably between 6.5 and 8) and to introduce a inhibitive additive such as Cillit-Hs 23 Al or similar in the quantity recommended by the manufacturer.
- **Automatic or manual air vent valves must be installed on radiators.**
- **Avoid complete closure of the radiator shut-off valves in order to allow any gas that there might be inside the same to escape through the automatic air vent valve, which is mandatory in any heating system, thus avoiding possible overpressure that could damage the radiators.**
- If one or more batteries are to be excluded from the circuit, an automatic air vent must be fitted to each battery.
- To ensure lasting protection of painting, radiators must not be stored in very wet or damp environments before and after installation such as inside showers, saunas, turkish baths, near swimming pools etc.
 Paint peeling off on parts of the radiator could cause the formation of aluminium oxide and have the paint completely peeled off.
 Do not use porous clay humidifiers.
- For the external cleaning of the radiator and surfaces near the radiator, it is necessary to avoid the use of abrasive or chemically corrosive/aggressive products of any nature, as the use of water and neutral detergent is sufficient. Performing the operation when the radiators are cold to maintain the original brilliance of the paint over time.
- Do not place weights and/or objects on the radiators. Do not use radiators for any purpose other than heating elements (e.g.: as a support system, as steps, as support for furniture or objects).

RADIATORS FOR ARCHITECTURE SEBINO ACCESSORIES



U-SHAPED TOWEL RAILS

- A210** white 4 sections
- A211** white 6 sections
- A212** white 8 sections
- A213** white 10 sections
- A216** special colours 4 sections
- A217** special colours 6 sections
- A218** special colours 8 sections
- A219** special colours 10 sections



L-SHAPED TOWEL RAILS

- A228** white
- A228** special colours



CHROME ROUND HANDY GRIP **A248** for Sebino



HANDY HOOK GRIP

- A245** white
- A245** chrome
- A245** special colours



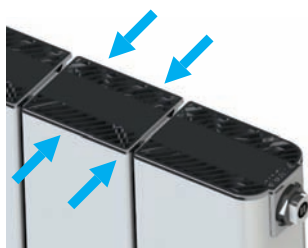
CHROME TOWEL RAILS

- A233** 4 sections
- A234** 6 sections
- A235** 8 sections

ACCESSORIES INCLUDED FOR SEBINO

- n. 2/3 art. A051 brackets
- art. A011 1/2" white or chrome plug (for coloured radiators)
- n. 1 art. A041 1/2" white manual air vent valve or art. A038 chrome (for coloured radiators)

- Grids and hole plugs are supplied in the same colour as the radiator
- Chrome grids and hole plugs are supplied on request; free of charge for coloured radiators, at an extra charge for white radiators according to the price list
- Sebino radiators can also be fitted with a bottom connection (50 mm pipe centres), for underfloor pipes (G-H-i-L-M configurations) at a charge of € 10,00 net each radiator



TOP GRILLES DISASSEMBLY INSTRUCTIONS

- For ease of cleaning of Sebino radiators it is possible to remove the top grilles
- pull the grilles upwards by hand using the grasp points indicated in the figure to the side
- wash the grille using plain water
- replace the grille applying light pressure until it clicks into place



A053 white centre grid



A054 chrome or special colours side grid



A054 white side grid



A054 chrome or special colours side grid



A055 white side hole plug



A055 chrome or special colours side hole plug



A011 1/2" white blind plug



A011 1/2" chrome blind plug



A041 adjustable manual air vent valve - white



A038 adjustable manual air vent valve - chrome



A051 white bracket



A017 RAL 9010 white marker

A051 special colours bracket



A350 3/4"-1/2" cone seat reducer



A351 3/4"-1/2" flat seat reducer



A052 diverter



A019 plug wrench



A018 Cillit HS 23 Combi liquid



A010 RAL 9010 white or special colour spray can



Sebino 6 sections, 1800 pipe centres, white glossy colour, white grids, 1417 Watt

TONALE

1
RADIATOR

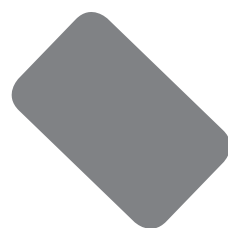
2
REVERSIBLE
sides

20
dimensions in
LENGTH

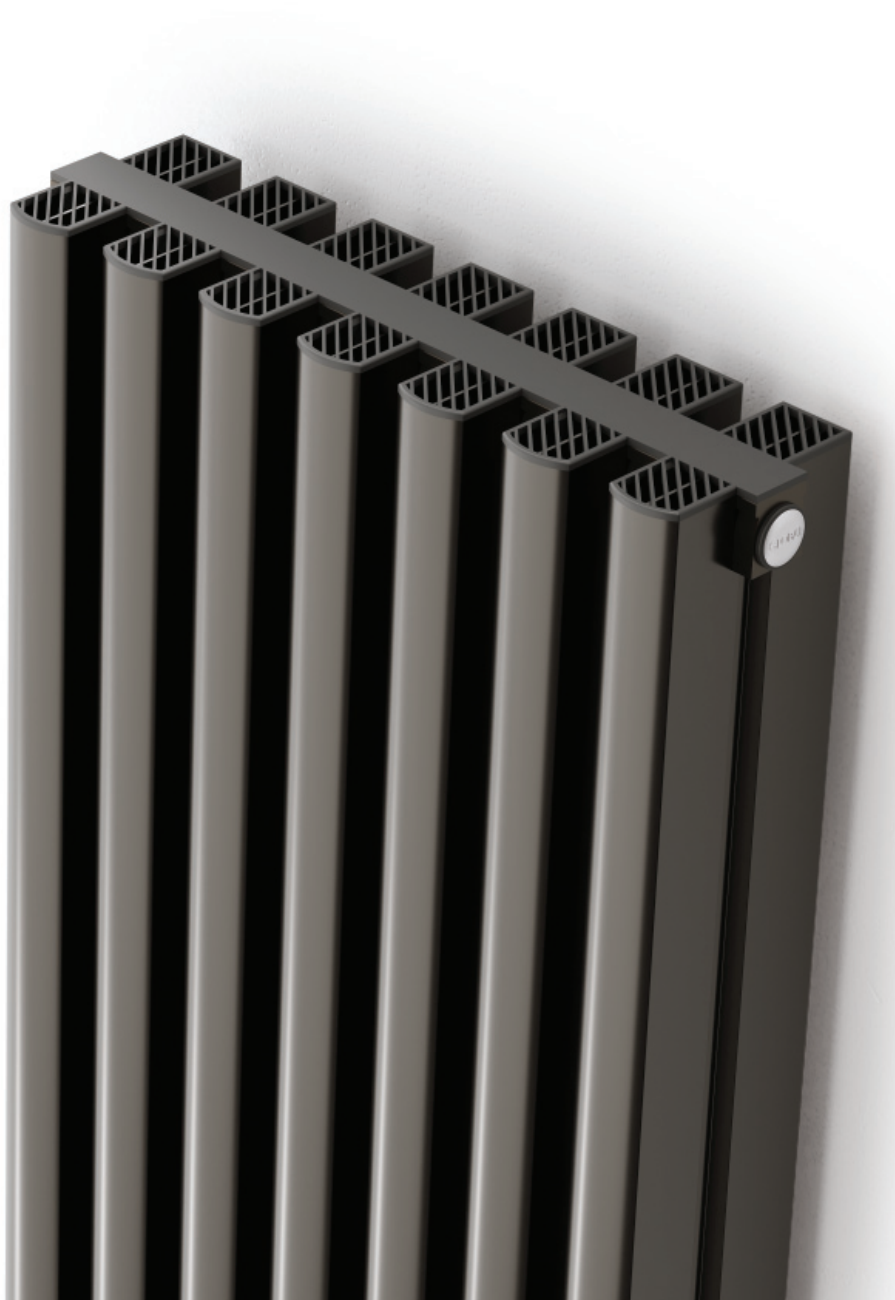
17
dimensions in
HEIGHT

11
possible
HYDRAULIC
CONNECTIONS

10
finish
COLOURS



RADIATORS FOR ARCHITECTURE







Tonale 12 sections, 2000 pipe centres, matt black colour, black grids, 2664 Watt



Tonale 12 sections, 800 pipe centres, matt black colour, chrome grids, 1220 Watt



Tonale 9 sections, 1800 pipe centres, matt black colour, chrome grids, 1832 Watt, with accessories





Tonale 10 sections, 2000 pipe centres, matt white colour, chrome grids, 2280 Watt, with accessories

TONALE	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
350	6	384	300	95	350	1/2"	4,62	0,6	296	148	1,36404	1,42782
	7	384	350	95	350	1/2"	5,39	0,7	346	172	1,36404	1,66579
	8	384	400	95	350	1/2"	6,16	0,8	395	197	1,36404	1,90376
	9	384	450	95	350	1/2"	6,93	0,9	445	221	1,36404	2,14173
	10	384	500	95	350	1/2"	7,70	1,0	494	246	1,36404	2,37970
	11	384	550	95	350	1/2"	8,47	1,2	543	271	1,36404	2,61767
	12	384	600	95	350	1/2"	9,24	1,3	593	295	1,36404	2,85564
	13	384	650	95	350	1/2"	10,01	1,4	642	320	1,36404	3,09361
	14	384	700	95	350	1/2"	10,78	1,5	692	344	1,36404	3,33158
	15	384	750	95	350	1/2"	11,55	1,6	741	369	1,36404	3,56955
	16	384	800	95	350	1/2"	12,32	1,7	790	394	1,36404	3,80752
	17	384	850	95	350	1/2"	13,09	1,8	840	418	1,36404	4,04549
	18	384	900	95	350	1/2"	13,86	1,9	889	443	1,36404	4,28346
	19	384	950	95	350	1/2"	14,63	2,0	939	467	1,36404	4,52143
	20	384	1000	95	350	1/2"	15,40	2,1	988	492	1,36404	4,75940
	21	384	1050	95	350	1/2"	16,17	2,2	1037	517	1,36404	4,99737
	22	384	1100	95	350	1/2"	16,94	2,3	1087	541	1,36404	5,23534
	23	384	1150	95	350	1/2"	17,71	2,4	1136	566	1,36404	5,47331
	24	384	1200	95	350	1/2"	18,48	2,5	1186	590	1,36494	5,71128
500	6	534	300	95	500	1/2"	6,00	0,8	404	202	1,36055	1,97280
	7	534	350	95	500	1/2"	7,00	0,9	472	235	1,36055	2,30160
	8	534	400	95	500	1/2"	8,00	1,1	539	269	1,36055	2,63040
	9	534	450	95	500	1/2"	9,00	1,2	607	302	1,36055	2,95920
	10	534	500	95	500	1/2"	10,00	1,3	674	336	1,36055	3,28800
	11	534	550	95	500	1/2"	11,00	1,5	741	370	1,36055	3,61680
	12	534	600	95	500	1/2"	12,00	1,6	809	403	1,36055	3,94560
	13	534	650	95	500	1/2"	13,00	1,7	876	437	1,36055	4,27440
	14	534	700	95	500	1/2"	14,00	1,9	944	470	1,36055	4,60320
	15	534	750	95	500	1/2"	15,00	2,0	1011	504	1,36055	4,93200
	16	534	800	95	500	1/2"	16,00	2,1	1078	538	1,36055	5,26080
	17	534	850	95	500	1/2"	17,00	2,2	1146	571	1,36055	5,58960
	18	534	900	95	500	1/2"	18,00	2,4	1213	605	1,36055	5,91840
	19	534	950	95	500	1/2"	19,00	2,5	1281	638	1,36055	6,24720
	20	534	1000	95	500	1/2"	20,00	2,6	1348	672	1,36055	6,57600
	21	534	1050	95	500	1/2"	21,00	2,8	1415	706	1,36055	6,90480
	22	534	1100	95	500	1/2"	22,00	2,9	1483	739	1,36055	7,23360
	23	534	1150	95	500	1/2"	23,00	3,0	1550	773	1,36055	7,56240
	24	534	1200	95	500	1/2"	24,00	3,2	1618	806	1,36055	7,89120
530	6	564	300	95	530	1/2"	6,23	0,8	425	212	1,359850	2,08158
	7	564	350	95	530	1/2"	7,27	1,0	496	248	1,359850	2,42851
	8	564	400	95	530	1/2"	8,31	1,1	567	283	1,359850	2,77544
	9	564	450	95	530	1/2"	9,35	1,2	638	319	1,359850	3,12237
	10	564	500	95	530	1/2"	10,39	1,4	709	354	1,359850	3,46930
	11	564	550	95	530	1/2"	11,43	1,5	780	389	1,359850	3,81623
	12	564	600	95	530	1/2"	12,47	1,7	851	425	1,359850	4,16316
	13	564	650	95	530	1/2"	13,51	1,8	922	460	1,359850	4,51009
	14	564	700	95	530	1/2"	14,55	1,9	993	496	1,359850	4,85702
	15	564	750	95	530	1/2"	15,59	2,1	1064	531	1,359850	5,20395
	16	564	800	95	530	1/2"	16,63	2,2	1134	566	1,359850	5,55088
	17	564	850	95	530	1/2"	17,66	2,3	1205	602	1,359850	5,89781
	18	564	900	95	530	1/2"	18,70	2,5	1276	637	1,359850	6,24474
	19	564	950	95	530	1/2"	19,74	2,6	1347	673	1,359850	6,59167
	20	564	1000	95	530	1/2"	20,78	2,8	1418	708	1,359850	6,93860
	21	564	1050	95	530	1/2"	21,82	2,9	1489	743	1,359850	7,28553
	22	564	1100	95	530	1/2"	22,86	3,0	1560	779	1,359850	7,63246
	23	564	1150	95	530	1/2"	23,90	3,2	1631	814	1,359850	7,97939
	24	564	1200	95	530	1/2"	24,94	3,3	1702	850	1,359850	8,32632

TONALE	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
600	6	634	300	95	600	1/2"	6,90	0,9	474	237	1,35822	2,33544
	7	634	350	95	600	1/2"	8,05	1,1	553	277	1,35822	2,72468
	8	634	400	95	600	1/2"	9,20	1,2	632	316	1,35822	3,11392
	9	634	450	95	600	1/2"	10,35	1,4	711	356	1,35822	3,50316
	10	634	500	95	600	1/2"	11,50	1,5	790	395	1,35822	3,89240
	11	634	550	95	600	1/2"	12,65	1,7	869	435	1,35822	4,28164
	12	634	600	95	600	1/2"	13,80	1,8	948	474	1,35822	4,67088
	13	634	650	95	600	1/2"	14,94	2,0	1027	514	1,35822	5,06012
	14	634	700	95	600	1/2"	16,09	2,1	1106	553	1,35822	5,44936
	15	634	750	95	600	1/2"	17,24	2,3	1185	593	1,35822	5,83860
	16	634	800	95	600	1/2"	18,39	2,4	1264	632	1,35822	6,22784
	17	634	850	95	600	1/2"	19,54	2,6	1343	672	1,35822	6,61708
	18	634	900	95	600	1/2"	20,69	2,7	1422	711	1,35822	7,00632
	19	634	950	95	600	1/2"	21,84	2,9	1501	751	1,35822	7,39556
	20	634	1000	95	600	1/2"	22,99	3,0	1580	790	1,35822	7,78480
	21	634	1050	95	600	1/2"	24,14	3,2	1659	830	1,35822	8,17404
	22	634	1100	95	600	1/2"	25,29	3,3	1738	869	1,35822	8,56328
	23	634	1150	95	600	1/2"	26,44	3,5	1817	909	1,35822	8,95252
	24	634	1200	95	600	1/2"	27,59	3,6	1896	948	1,35822	9,34176
623	6	657	300	95	623	1/2"	7,11	0,9	490	245	1,35769	2,41878
	7	657	350	95	623	1/2"	8,29	1,1	572	286	1,35769	2,82191
	8	657	400	95	623	1/2"	9,48	1,2	654	326	1,35769	3,22504
	9	657	450	95	623	1/2"	10,66	1,4	735	367	1,35769	3,62817
	10	657	500	95	623	1/2"	11,85	1,5	817	408	1,35769	4,03130
	11	657	550	95	623	1/2"	13,03	1,7	899	449	1,35769	4,43443
	12	657	600	95	623	1/2"	14,22	1,9	980	490	1,35769	4,83756
	13	657	650	95	623	1/2"	15,40	2,0	1062	530	1,35769	5,24069
	14	657	700	95	623	1/2"	16,58	2,2	1144	571	1,35769	5,64382
	15	657	750	95	623	1/2"	17,77	2,3	1226	612	1,35769	6,04695
	16	657	800	95	623	1/2"	18,95	2,5	1307	653	1,35769	6,45008
	17	657	850	95	623	1/2"	20,14	2,6	1389	694	1,35769	6,85321
	18	657	900	95	623	1/2"	21,32	2,8	1471	734	1,35769	7,25634
	19	657	950	95	623	1/2"	22,51	2,9	1552	775	1,35769	7,65947
	20	657	1000	95	623	1/2"	23,69	3,1	1634	816	1,35769	8,06260
	21	657	1050	95	623	1/2"	24,88	3,2	1716	857	1,35769	8,46573
	22	657	1100	95	623	1/2"	26,06	3,4	1797	898	1,35769	8,86886
	23	657	1150	95	623	1/2"	27,25	3,6	1879	938	1,35769	9,27199
	24	657	1200	95	623	1/2"	28,43	3,7	1961	979	1,35769	9,67512
700	6	734	300	95	700	1/2"	7,82	1,0	543	272	1,35589	2,69766
	7	734	350	95	700	1/2"	9,13	1,2	634	317	1,35589	3,14727
	8	734	400	95	700	1/2"	10,43	1,4	724	362	1,35589	3,59688
	9	734	450	95	700	1/2"	11,73	1,5	815	408	1,35589	4,04649
	10	734	500	95	700	1/2"	13,04	1,7	905	453	1,35589	4,49610
	11	734	550	95	700	1/2"	14,34	1,9	996	498	1,35589	4,94571
	12	734	600	95	700	1/2"	15,64	2,0	1086	544	1,35589	5,39532
	13	734	650	95	700	1/2"	16,95	2,2	1177	589	1,35589	5,84493
	14	734	700	95	700	1/2"	18,25	2,4	1267	634	1,35589	6,29454
	15	734	750	95	700	1/2"	19,55	2,5	1358	680	1,35589	6,74415
	16	734	800	95	700	1/2"	20,86	2,7	1448	725	1,35589	7,19376
	17	734	850	95	700	1/2"	22,16	2,9	1539	770	1,35589	7,64337
	18	734	900	95	700	1/2"	23,46	3,0	1629	815	1,35589	8,09298
	19	734	950	95	700	1/2"	24,77	3,2	1720	861	1,35589	8,54259
	20	734	1000	95	700	1/2"	26,07	3,4	1810	906	1,35589	8,99220
	21	734	1050	95	700	1/2"	27,38	3,5	1901	951	1,35589	9,44181
	22	734	1100	95	700	1/2"	28,68	3,7	1991	997	1,35589	9,89142
	23	734	1150	95	700	1/2"	29,98	3,9	2082	1042	1,35589	10,34103
	24	734	1200	95	700	1/2"	31,29	4,1	2172	1087	1,35589	10,79064

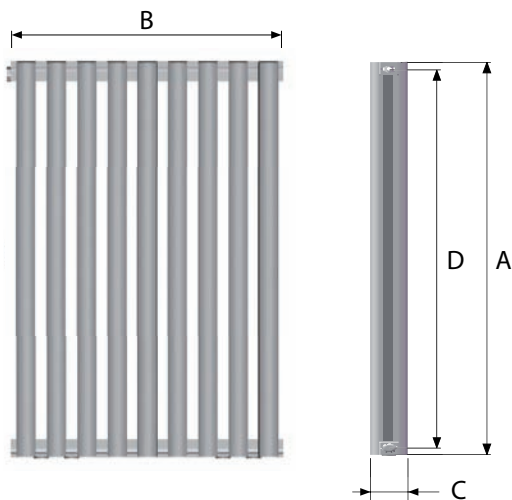
TONALE	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
730	6	764	300	95	730	1/2"	8,10	1,0	563	282	1,35520	2,80632
	7	764	350	95	730	1/2"	9,45	1,2	657	329	1,35520	3,27404
	8	764	400	95	730	1/2"	10,80	1,4	751	376	1,35520	3,74176
	9	764	450	95	730	1/2"	12,15	1,6	845	423	1,35520	4,20948
	10	764	500	95	730	1/2"	13,50	1,7	939	470	1,35520	4,67720
	11	764	550	95	730	1/2"	14,85	1,9	1033	517	1,35520	5,14492
	12	764	600	95	730	1/2"	16,20	2,1	1127	564	1,35520	5,61264
	13	764	650	95	730	1/2"	17,54	2,3	1221	611	1,35520	6,08036
	14	764	700	95	730	1/2"	18,89	2,4	1315	658	1,35520	6,54808
	15	764	750	95	730	1/2"	20,24	2,6	1409	705	1,35520	7,01580
	16	764	800	95	730	1/2"	21,59	2,8	1502	752	1,35520	7,48352
	17	764	850	95	730	1/2"	22,94	3,0	1596	799	1,35520	7,95124
	18	764	900	95	730	1/2"	24,29	3,1	1690	846	1,35520	8,41896
	19	764	950	95	730	1/2"	25,64	3,3	1784	893	1,35520	8,88668
	20	764	1000	95	730	1/2"	26,99	3,5	1878	940	1,35520	9,35440
	21	764	1050	95	730	1/2"	28,34	3,7	1972	987	1,35520	9,82212
	22	764	1100	95	730	1/2"	29,69	3,8	2066	1034	1,35520	10,28984
	23	764	1150	95	730	1/2"	31,04	4,0	2160	1081	1,35520	10,75756
	24	764	1200	95	730	1/2"	32,39	4,2	2254	1128	1,35520	11,22528
800	6	834	300	95	800	1/2"	8,74	1,1	610	305	1,35357	3,06024
	7	834	350	95	800	1/2"	10,20	1,3	712	356	1,35357	3,57028
	8	834	400	95	800	1/2"	11,65	1,5	814	407	1,35357	4,08032
	9	834	450	95	800	1/2"	13,11	1,7	915	458	1,35357	4,59036
	10	834	500	95	800	1/2"	14,57	1,9	1017	509	1,35357	5,10040
	11	834	550	95	800	1/2"	16,02	2,1	1119	560	1,35357	5,61044
	12	834	600	95	800	1/2"	17,48	2,2	1220	611	1,35357	6,12048
	13	834	650	95	800	1/2"	18,94	2,4	1322	662	1,35357	6,63052
	14	834	700	95	800	1/2"	20,39	2,6	1424	713	1,35357	7,14056
	15	834	750	95	800	1/2"	21,85	2,8	1526	764	1,35357	7,65060
	16	834	800	95	800	1/2"	23,31	3,0	1627	814	1,35357	8,16064
	17	834	850	95	800	1/2"	24,76	3,2	1729	865	1,35357	8,67068
	18	834	900	95	800	1/2"	26,22	3,4	1831	916	1,35357	9,18072
	19	834	950	95	800	1/2"	27,68	3,6	1932	967	1,35357	9,69076
	20	834	1000	95	800	1/2"	29,13	3,7	2034	1018	1,35357	10,20080
	21	834	1050	95	800	1/2"	30,59	3,9	2136	1069	1,35357	10,71084
	22	834	1100	95	800	1/2"	32,05	4,1	2237	1120	1,35357	11,22088
	23	834	1150	95	800	1/2"	33,50	4,3	2339	1171	1,35357	11,73092
	24	834	1200	95	800	1/2"	34,96	4,5	2441	1222	1,35357	12,24096
813	6	847	300	95	813	1/2"	8,86	1,1	619	310	1,35326	3,10734
	7	847	350	95	813	1/2"	10,34	1,3	722	362	1,35326	3,62523
	8	847	400	95	813	1/2"	11,81	1,5	825	414	1,35326	4,14312
	9	847	450	95	813	1/2"	13,29	1,7	928	465	1,35326	4,66101
	10	847	500	95	813	1/2"	14,77	1,9	1031	517	1,35326	5,17890
	11	847	550	95	813	1/2"	16,24	2,1	1134	569	1,35326	5,69679
	12	847	600	95	813	1/2"	17,72	2,3	1237	620	1,35326	6,21468
	13	847	650	95	813	1/2"	19,20	2,5	1340	672	1,35326	6,73257
	14	847	700	95	813	1/2"	20,67	2,7	1443	724	1,35326	7,25046
	15	847	750	95	813	1/2"	22,15	2,8	1547	776	1,35326	7,76835
	16	847	800	95	813	1/2"	23,63	3,0	1650	827	1,35326	8,28624
	17	847	850	95	813	1/2"	25,10	3,2	1753	879	1,35326	8,80413
	18	847	900	95	813	1/2"	26,58	3,4	1856	931	1,35326	9,32202
	19	847	950	95	813	1/2"	28,06	3,6	1959	982	1,35326	9,83991
	20	847	1000	95	813	1/2"	29,53	3,8	2062	1034	1,35326	10,35780
	21	847	1050	95	813	1/2"	31,01	4,0	2165	1086	1,35326	10,87569
	22	847	1100	95	813	1/2"	32,49	4,2	2268	1137	1,35326	11,39358
	23	847	1150	95	813	1/2"	33,96	4,4	2371	1189	1,35326	11,91147
	24	847	1200	95	813	1/2"	35,44	4,5	2474	1241	1,35326	12,42936

TONALE	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
900	4	934	200	95	900	1/2"	6,44	0,8	451	266	1,35124	2,28196
	5	934	250	95	900	1/2"	8,05	1,0	564	283	1,35124	2,85245
	6	934	300	95	900	1/2"	9,66	1,2	676	339	1,35124	3,42294
	7	934	350	95	900	1/2"	11,27	1,4	789	396	1,35124	3,99343
	8	934	400	95	900	1/2"	12,88	1,6	902	452	1,35124	4,56392
	9	934	450	95	900	1/2"	14,50	1,8	1014	509	1,35124	5,13441
	10	934	500	95	900	1/2"	16,11	2,1	1127	565	1,35124	5,70490
	11	934	550	95	900	1/2"	17,72	2,3	1240	622	1,35124	6,27539
	12	934	600	95	900	1/2"	19,33	2,5	1352	678	1,35124	6,84588
	13	934	650	95	900	1/2"	20,94	2,7	1465	735	1,35124	7,41637
	14	934	700	95	900	1/2"	22,55	2,9	1578	791	1,35124	7,98686
	15	934	750	95	900	1/2"	24,16	3,1	1691	848	1,35124	8,55735
	16	934	800	95	900	1/2"	25,77	3,3	1803	904	1,35124	9,12784
	17	934	850	95	900	1/2"	27,38	3,5	1916	961	1,35124	9,69833
	18	934	900	95	900	1/2"	28,99	3,7	2029	1017	1,35124	10,26882
	19	934	950	95	900	1/2"	30,60	3,9	2141	1074	1,35124	10,83931
	20	934	1000	95	900	1/2"	32,21	4,1	2254	1130	1,35124	11,40980
	21	934	1050	95	900	1/2"	33,82	4,3	2367	1187	1,35124	11,98029
	22	934	1100	95	900	1/2"	35,43	4,5	2479	1243	1,35124	12,55078
	23	934	1150	95	900	1/2"	37,04	4,7	2592	1300	1,35124	13,12127
	24	934	1200	95	900	1/2"	38,65	4,9	2705	1356	1,35124	13,69176
1000	4	1034	200	95	1000	1/2"	7,06	0,9	494	246	1,36074	2,40976
	5	1034	250	95	1000	1/2"	8,82	1,1	618	308	1,36074	3,01220
	6	1034	300	95	1000	1/2"	10,58	1,3	741	370	1,36074	3,61464
	7	1034	350	95	1000	1/2"	12,35	1,6	865	431	1,36074	4,21708
	8	1034	400	95	1000	1/2"	14,11	1,8	988	493	1,36074	4,81952
	9	1034	450	95	1000	1/2"	15,88	2,0	1112	554	1,36074	5,42196
	10	1034	500	95	1000	1/2"	17,64	2,2	1235	616	1,36074	6,02440
	11	1034	550	95	1000	1/2"	19,41	2,5	1359	678	1,36074	6,62684
	12	1034	600	95	1000	1/2"	21,17	2,7	1482	739	1,36074	7,22928
	13	1034	650	95	1000	1/2"	22,93	2,9	1606	801	1,36074	7,83172
	14	1034	700	95	1000	1/2"	24,70	3,1	1729	862	1,36074	8,43416
	15	1034	750	95	1000	1/2"	26,46	3,4	1853	924	1,36074	9,03660
	16	1034	800	95	1000	1/2"	28,23	3,6	1976	986	1,36074	9,63904
	17	1034	850	95	1000	1/2"	29,99	3,8	2100	1047	1,36074	10,24148
	18	1034	900	95	1000	1/2"	31,75	4,0	2223	1109	1,36074	10,84392
	19	1034	950	95	1000	1/2"	33,52	4,2	2347	1170	1,36074	11,44636
	20	1034	1000	95	1000	1/2"	35,28	4,5	2470	1232	1,36074	12,04880
	21	1034	1050	95	1000	1/2"	37,05	4,7	2594	1294	1,36074	12,65124
	22	1034	1100	95	1000	1/2"	38,81	4,9	2717	1355	1,36074	13,25368
	23	1034	1150	95	1000	1/2"	40,57	5,1	2841	1417	1,36074	13,85612
	24	1034	1200	95	1000	1/2"	42,34	5,4	2964	1478	1,36074	14,45856
1200	4	1234	200	95	1200	1/2"	8,29	1,0	578	286	1,37973	2,61900
	5	1234	250	95	1200	1/2"	10,36	1,3	723	358	1,37973	3,27375
	6	1234	300	95	1200	1/2"	12,43	1,6	868	429	1,37973	3,92850
	7	1234	350	95	1200	1/2"	14,50	1,8	1012	501	1,37973	4,58325
	8	1234	400	95	1200	1/2"	16,57	2,1	1157	572	1,37973	5,23800
	9	1234	450	95	1200	1/2"	18,64	2,3	1301	644	1,37973	5,89275
	10	1234	500	95	1200	1/2"	20,72	2,6	1446	715	1,37973	6,54750
	11	1234	550	95	1200	1/2"	22,79	2,9	1591	787	1,37973	7,20225
	12	1234	600	95	1200	1/2"	24,86	3,1	1735	858	1,37973	7,85700
	13	1234	650	95	1200	1/2"	26,93	3,4	1880	930	1,37973	8,51175
	14	1234	700	95	1200	1/2"	29,00	3,6	2024	1001	1,37973	9,16650
	15	1234	750	95	1200	1/2"	31,07	3,9	2169	1073	1,37973	9,82125
	16	1234	800	95	1200	1/2"	33,15	4,2	2314	1144	1,37973	10,47600

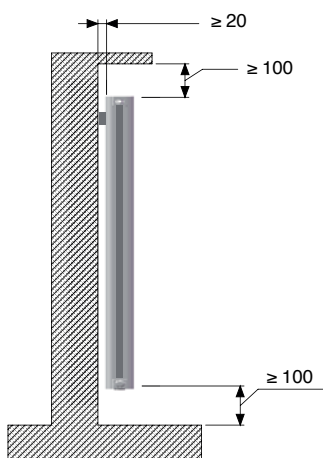
TONALE	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
1400	4	1434	200	95	1400	1/2"	9,51	1,2	660	323	1,39873	2,77356
	5	1434	250	95	1400	1/2"	11,89	1,5	825	404	1,39873	3,46695
	6	1434	300	95	1400	1/2"	14,27	1,8	990	484	1,39873	4,16034
	7	1434	350	95	1400	1/2"	16,65	2,1	1155	565	1,39873	4,85373
	8	1434	400	95	1400	1/2"	19,03	2,4	1320	646	1,39873	5,54712
	9	1434	450	95	1400	1/2"	21,41	2,7	1485	726	1,39873	6,24051
	10	1434	500	95	1400	1/2"	23,79	3,0	1650	807	1,39873	6,93390
	11	1434	550	95	1400	1/2"	26,16	3,3	1815	888	1,39873	7,62729
	12	1434	600	95	1400	1/2"	28,54	3,6	1980	968	1,39873	8,32068
	13	1434	650	95	1400	1/2"	30,92	3,9	2145	1049	1,39873	9,01407
	14	1434	700	95	1400	1/2"	33,30	4,2	2310	1130	1,39873	9,70746
	15	1434	750	95	1400	1/2"	35,68	4,4	2475	1211	1,39873	10,40085
	16	1434	800	95	1400	1/2"	38,06	4,7	2640	1291	1,39873	11,09424
1600	4	1634	200	95	1600	1/2"	10,75	1,3	738	362	1,39434	3,15788
	5	1634	250	95	1600	1/2"	13,43	1,7	923	453	1,39434	3,94735
	6	1634	300	95	1600	1/2"	16,12	2,0	1108	544	1,39434	4,73682
	7	1634	350	95	1600	1/2"	18,81	2,3	1292	634	1,39434	5,52629
	8	1634	400	95	1600	1/2"	21,49	2,7	1477	725	1,39434	6,31576
	9	1634	450	95	1600	1/2"	24,18	3,0	1661	815	1,39434	7,10523
	10	1634	500	95	1600	1/2"	26,87	3,3	1846	906	1,39434	7,89470
	11	1634	550	95	1600	1/2"	29,55	3,7	2031	997	1,39434	8,68417
	12	1634	600	95	1600	1/2"	32,24	4,0	2215	1087	1,39434	9,47364
	13	1634	650	95	1600	1/2"	34,93	4,3	2400	1178	1,39434	10,26311
	14	1634	700	95	1600	1/2"	37,61	4,7	2584	1268	1,39434	11,05258
	15	1634	750	95	1600	1/2"	40,30	5,0	2769	1359	1,39434	11,84205
	16	1634	800	95	1600	1/2"	42,99	5,3	2954	1450	1,39434	12,63152
1735	4	1769	200	95	1735	1/2"	11,57	1,4	790	388	1,39137	3,41804
	5	1769	250	95	1735	1/2"	14,47	1,8	988	485	1,39137	4,27255
	6	1769	300	95	1735	1/2"	17,36	2,1	1185	582	1,39137	5,12706
	7	1769	350	95	1735	1/2"	20,26	2,5	1383	679	1,39137	5,98157
	8	1769	400	95	1735	1/2"	23,15	2,9	1580	776	1,39137	6,83608
	9	1769	450	95	1735	1/2"	26,04	3,2	1778	873	1,39137	7,69059
	10	1769	500	95	1735	1/2"	28,94	3,6	1975	970	1,39137	8,54510
	11	1769	550	95	1735	1/2"	31,83	3,9	2173	1067	1,39137	9,39961
	12	1769	600	95	1735	1/2"	34,72	4,3	2370	1164	1,39137	10,25412
	13	1769	650	95	1735	1/2"	37,62	4,7	2568	1261	1,39137	11,10863
	14	1769	700	95	1735	1/2"	40,51	5,0	2765	1358	1,39137	11,96314
	15	1769	750	95	1735	1/2"	43,40	5,4	2963	1455	1,39137	12,81765
	16	1769	800	95	1735	1/2"	46,30	5,7	3160	1552	1,39137	13,67216
1800	4	1834	200	95	1800	1/2"	11,97	1,5	814	400	1,38994	3,54336
	5	1834	250	95	1800	1/2"	14,97	1,8	1018	501	1,38994	4,42920
	6	1834	300	95	1800	1/2"	17,96	2,2	1222	601	1,38994	5,31504
	7	1834	350	95	1800	1/2"	20,96	2,6	1425	701	1,38994	6,20088
	8	1834	400	95	1800	1/2"	23,95	3,0	1629	801	1,38994	7,08672
	9	1834	450	95	1800	1/2"	26,94	3,3	1832	901	1,38994	7,97256
	10	1834	500	95	1800	1/2"	29,94	3,7	2036	1001	1,38994	8,85840
	11	1834	550	95	1800	1/2"	32,93	4,1	2240	1101	1,38994	9,74424
	12	1834	600	95	1800	1/2"	35,92	4,4	2443	1201	1,38994	10,63008
	13	1834	650	95	1800	1/2"	38,92	4,8	2647	1301	1,38994	11,51592
	14	1834	700	95	1800	1/2"	41,91	5,2	2850	1401	1,38994	12,40176
	15	1834	750	95	1800	1/2"	44,90	5,5	3054	1502	1,38994	13,28760
	16	1834	800	95	1800	1/2"	47,90	5,9	3258	1602	1,38994	14,17344

TONALE	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
2000	4	2034	200	95	2000	1/2"	13,20	1,6	888	438	1,37220	3,92960
	5	2034	250	95	2000	1/2"	16,50	2,0	1110	547	1,37220	4,91200
	6	2034	300	95	2000	1/2"	19,80	2,4	1332	656	1,37220	5,89440
	7	2034	350	95	2000	1/2"	23,10	2,8	1554	766	1,37220	6,87680
	8	2034	400	95	2000	1/2"	26,40	3,2	1776	875	1,37220	7,85920
	9	2034	450	95	2000	1/2"	29,71	3,7	1998	985	1,37220	8,84160
	10	2034	500	95	2000	1/2"	33,01	4,1	2220	1094	1,37220	9,82400
	11	2034	550	95	2000	1/2"	36,31	4,5	2442	1203	1,37220	10,80640
	12	2034	600	95	2000	1/2"	39,61	4,9	2664	1313	1,37220	11,78880
	13	2034	650	95	2000	1/2"	42,91	5,3	2886	1422	1,37220	12,77120
	14	2034	700	95	2000	1/2"	46,21	5,7	3108	1532	1,37220	13,75360
	15	2034	750	95	2000	1/2"	49,51	6,1	3330	1641	1,37220	14,73600
	16	2034	800	95	2000	1/2"	52,81	6,5	3552	1750	1,37220	15,71840

The heat output of the Global radiators is seen in the results of the tests carried out in accordance with the EN 442 standard



The highest heat output can be obtained by mounting the radiators observing the following distances:
 ≥ 20 mm from the wall
 ≥ 100 mm from the floor
 ≥ 100 mm from the shelf or window-sills



In order to prevent thermal expansion of the system from causing noise at the heaters, it is recommended to position the plastic brackets (art. A260) in the centre of the space provided.

Thermal performance according to EN 442

The heat output of the Global sections highlighted in the catalogue are certified in accordance with the **EN 442** standard, drawn up to respond to the standardisation requirements of heat output in the Member States of the European Community.

The advantages of a low temperature system will generate:

- lower fuel consumption due to the decrease in passive losses of thermal energy from boilers, pipes and heaters;
- improved hygiene of heated environments: this solution limits the convective motion of the air to the least necessary;
- lower thermal gradients in heated rooms with a consequent improvement of environmental comfort.

Heat output with ΔT other than 50°C and 30°C

The variation in heat output (**P**) is calculated by applying the characteristic equation **P = Km · ΔTⁿ**

where **P** = heat output

Km = characteristic coefficient of each radiator model

n = distinctive coefficient of the heating element

ΔT = the resultant of this equation **tm - ta**

where **tm** = **te+tu/2**

te = entry water temperature

tu = exit water temperature

ta = room temperature (standard 20°C)

tm = mean water temperature

Example Antepima 1800/10 sections, ΔT 40°C

$$P = Km \cdot \Delta T^n \rightarrow P = 8,8584 \cdot 40^{1,38994} = 1493 \text{ Watt}$$

RADIATORS FOR ARCHITECTURE TONALE ACCESSORIES



L-SHAPED TOWEL RAILS

- A263** white 300 mm (recommended up to 6 sections)
- A263** special colours 300 mm (recommended up to 6 sections)
- A264** white 400 mm (recommended over 8 sections)
- A264** special colours 400 mm (recommended over 8 sections)



HANDY HOOK GRIP

- A265** white
- A265** special colours

ACCESSORIES INCLUDED FOR TONALE

n. 2/3 art. A260 brackets
 art. A011 1/2" white or chrome plug (for coloured radiators)
 n. 1 art. A041 1/2" white manual air vent valve or art. A038 chrome (for coloured radiators)

- Grids and hole plugs are supplied in the same colour as the radiator
- Chrome grids and hole plugs are supplied on request; free of charge for coloured radiators, at an extra charge for white radiators according to the price list
- Tonale radiators can also be fitted with a bottom connection (50 mm pipe centres), for underfloor pipes (G-H-i-L-M configurations) at a charge of € 10,00 net each radiator



- A260** white bracket
- A260** special colours bracket



- A262** white grid
- A262** chrome or special colours grid



- A011** 1/2" white blind plug



- A011** 1/2" chrome blind plug



- A041** adjustable manual air vent valve - white



- A038** adjustable manual air vent valve - chrome



- A052** diverter



- A019** plug wrench



- A018** Cillit HS 23 Combi liquid



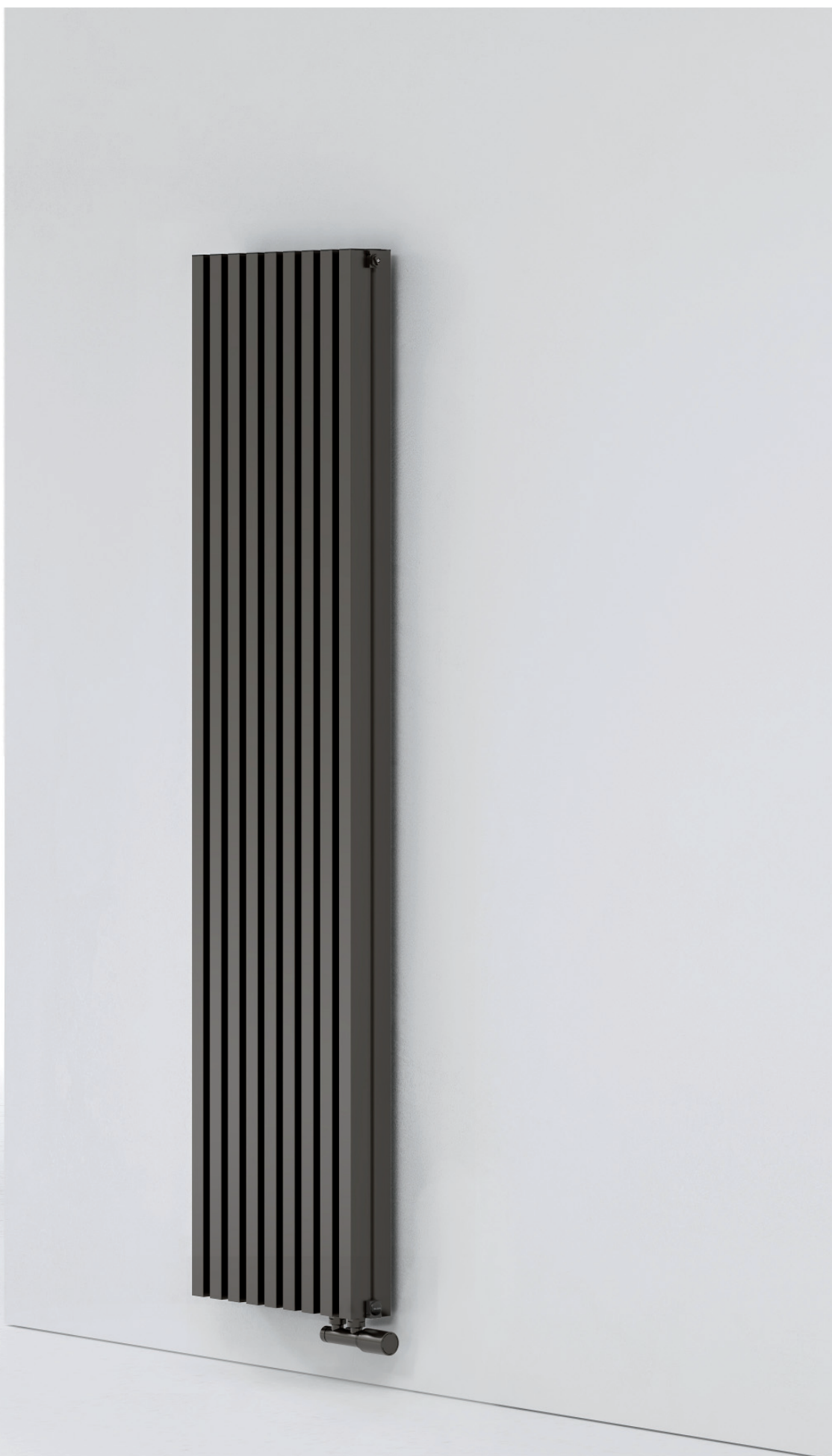
- A017** RAL 9010 white marker



- A010** RAL 9010 white or special colour spray can

CORRECT INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS

- Tonale radiators can be used in all hot water or vapour heating installations up to 110°C with a working pressure up to 1600 K Pascal -16 bar.
- They can be installed in systems using iron, copper or thermoplastic pipes.
- In order to preserve the systems from scaling and corrosion, it is recommended to check the pH of the water (preferably between 6.5 and 8) and to introduce a inhibitive additive such as Cillit-Hs 23 Al or similar in the quantity recommended by the manufacturer.
- **Automatic or manual air vent valves must be installed on radiators.**
- **Avoid complete closure of the radiator shut-off valves in order to allow any gas that there might be inside the same to escape through the automatic air vent valve, which is mandatory in any heating system, thus avoiding possible overpressure that could damage the radiators.**
- If one or more batteries are to be excluded from the circuit, an automatic air vent must be fitted to each battery.
- To ensure lasting protection of painting, radiators must not be stored in very wet or damp environments before and after installation such as inside showers, saunas, turkish baths, near swimming pools etc.
- Paint peeling off on parts of the radiator could cause the formation of aluminium oxide and have the paint completely peeled off.
Do not use porous clay humidifiers.
- For the external cleaning of the radiator and surfaces near the radiator, it is necessary to avoid the use of abrasive or chemically corrosive/aggressive products of any nature, as the use of water and neutral detergent is sufficient. Performing the operation when the radiators are cold to maintain the original brilliance of the paint over time.
- Do not place weights and/or objects on the radiators. Do not use radiators for any purpose other than heating elements (e.g.: as a support system, as steps, as support for furniture or objects).



Tonale 9 sections, 1800 pipe centres, matt black colour, black grids, 1832 Wat

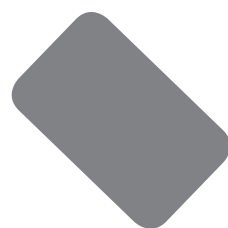


SHADE AND LIGHT: INFINITE BALANCE

Light illuminates surfaces, invades voids, heating sections discard their weight.

Shadows emerge from the back wall reallocating consistency to the volumes.

Subtracting and adding, to create new perceptions for every change in lighting, supporting the movement that prompts the taste and style of living in the future.



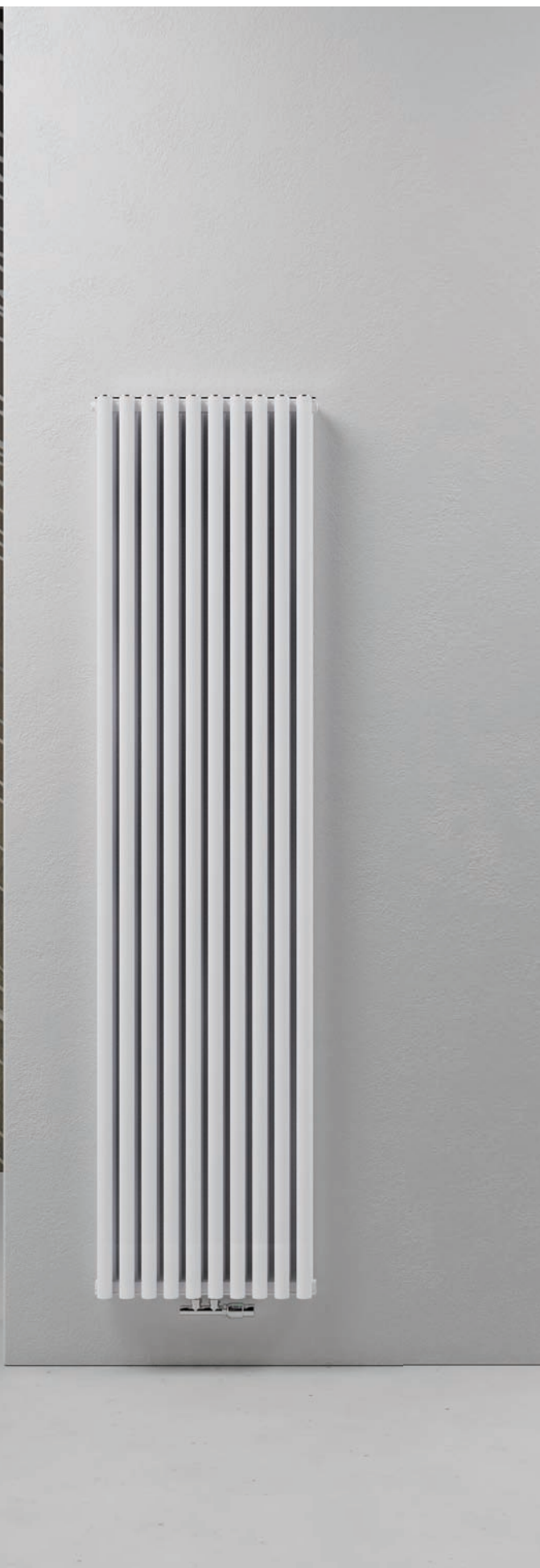
RADIATORS FOR ARCHITECTURE







Anteprima 8 sections, 2000 pipe centres, black mat colour, black grids, 1737 Watt



Anteprima 10 sections, 2000 pipe centres, white colour, chrome grids, 2171 Watt



Anteprima 5 sections, 2000 pipe centres, white colour, chrome grids, 1086 Watt



Anteprima 9 sections, 1800 pipe centres, white sand colour, white grids, 1787 Watt



Anteprima 10 sections, 1400 pipe centres, black matt colour, black grids, 1600 Watt, with accessories

ANTEPRIMA	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
350	6	384	300	95	350	1/2"	4,2	0,6	288	145	1,35335	1,44696
	7	384	350	95	350	1/2"	4,9	0,7	336	169	1,35335	1,68812
	8	384	400	95	350	1/2"	5,6	0,8	384	193	1,35335	1,92928
	9	384	450	95	350	1/2"	6,3	0,9	432	217	1,35335	2,17044
	10	384	500	95	350	1/2"	7,0	1,0	480	241	1,35335	2,41160
	11	384	550	95	350	1/2"	7,7	1,2	528	265	1,35335	2,65276
	12	384	600	95	350	1/2"	8,4	1,3	576	289	1,35335	2,89392
	13	384	650	95	350	1/2"	9,1	1,4	624	313	1,35335	3,13508
	14	384	700	95	350	1/2"	9,8	1,5	672	337	1,35335	3,37624
	15	384	750	95	350	1/2"	10,5	1,6	720	362	1,35335	3,61740
	16	384	800	95	350	1/2"	11,2	1,7	768	386	1,35335	3,85856
	17	384	850	95	350	1/2"	11,9	1,8	816	410	1,35335	4,09972
	18	384	900	95	350	1/2"	12,6	1,9	864	434	1,35335	4,34088
	19	384	950	95	350	1/2"	13,3	2,0	912	458	1,35335	4,58204
	20	384	1000	95	350	1/2"	14,0	2,1	960	482	1,35335	4,82320
	21	384	1050	95	350	1/2"	14,7	2,2	1008	506	1,35335	5,06436
	22	384	1100	95	350	1/2"	15,4	2,3	1056	530	1,35335	5,30552
	23	384	1150	95	350	1/2"	16,1	2,4	1104	554	1,35335	5,54668
	24	384	1200	95	350	1/2"	16,8	2,5	1152	578	1,35335	5,78784
500	6	534	300	95	500	1/2"	5,4	0,8	391	197	1,34756	2,00970
	7	534	350	95	500	1/2"	6,3	0,9	456	230	1,34756	2,34465
	8	534	400	95	500	1/2"	7,2	1,1	522	262	1,34756	2,67960
	9	534	450	95	500	1/2"	8,1	1,2	587	295	1,34756	3,01455
	10	534	500	95	500	1/2"	9,0	1,3	652	328	1,34756	3,34950
	11	534	550	95	500	1/2"	9,9	1,5	717	361	1,34756	3,68445
	12	534	600	95	500	1/2"	10,8	1,6	782	394	1,34756	4,01940
	13	534	650	95	500	1/2"	11,7	1,7	848	426	1,34756	4,35435
	14	534	700	95	500	1/2"	12,6	1,9	913	459	1,34756	4,68930
	15	534	750	95	500	1/2"	13,5	2,0	978	492	1,34756	5,02425
	16	534	800	95	500	1/2"	14,4	2,1	1043	525	1,34756	5,35920
	17	534	850	95	500	1/2"	15,3	2,2	1108	558	1,34756	5,69415
	18	534	900	95	500	1/2"	16,2	2,4	1174	590	1,34756	5,02910
	19	534	950	95	500	1/2"	17,1	2,5	1239	623	1,34756	6,36405
	20	534	1000	95	500	1/2"	18,0	2,6	1304	656	1,34756	6,69900
	21	534	1050	95	500	1/2"	18,9	2,8	1369	689	1,34756	7,03395
	22	534	1100	95	500	1/2"	19,8	2,9	1434	722	1,34756	7,36890
	23	534	1150	95	500	1/2"	20,7	3,0	1500	754	1,34756	7,70385
	24	534	1200	95	500	1/2"	21,6	3,2	1565	787	1,34756	8,03880
530	6	564	300	95	530	1/2"	5,7	0,8	412	207	1,34640	2,12346
	7	564	350	95	530	1/2"	6,7	1,0	480	242	1,34640	2,47737
	8	564	400	95	530	1/2"	7,6	1,1	549	276	1,34640	2,83128
	9	564	450	95	530	1/2"	8,6	1,2	617	311	1,34640	3,18519
	10	564	500	95	530	1/2"	9,5	1,4	686	345	1,34640	3,53910
	11	564	550	95	530	1/2"	10,5	1,5	755	380	1,34640	3,89301
	12	564	600	95	530	1/2"	11,4	1,7	823	414	1,34640	4,24692
	13	564	650	95	530	1/2"	12,4	1,8	892	449	1,34640	4,60083
	14	564	700	95	530	1/2"	13,3	1,9	960	483	1,34640	4,95474
	15	564	750	95	530	1/2"	14,3	2,1	1029	518	1,34640	5,30865
	16	564	800	95	530	1/2"	15,2	2,2	1098	552	1,34640	5,66256
	17	564	850	95	530	1/2"	16,2	2,3	1166	587	1,34640	6,01647
	18	564	900	95	530	1/2"	11,1	2,5	1235	621	1,34640	6,37038
	19	564	950	95	530	1/2"	18,1	2,6	1303	656	1,34640	6,72429
	20	564	1000	95	530	1/2"	19,0	2,8	1372	690	1,34640	7,07820
	21	564	1050	95	530	1/2"	20,0	2,9	1441	725	1,34640	7,43211
	22	564	1100	95	530	1/2"	20,9	3,0	1509	759	1,34640	7,78602
	23	564	1150	95	530	1/2"	21,9	3,2	1578	794	1,34640	8,13993
	24	564	1200	95	530	1/2"	22,8	3,3	1646	828	1,34640	8,49384

ANTEPRIMA	n. of sections	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
600	6	634	300	95	600	1/2"	6,3	0,9	458	231	1,34370	2,39028
	7	634	350	95	600	1/2"	7,4	1,1	535	270	1,34370	2,78866
	8	634	400	95	600	1/2"	8,4	1,2	611	308	1,34370	3,18704
	9	634	450	95	600	1/2"	9,5	1,4	688	347	1,34370	3,58542
	10	634	500	95	600	1/2"	10,5	1,5	764	385	1,34370	3,98380
	11	634	550	95	600	1/2"	11,6	1,7	840	424	1,34370	4,38218
	12	634	600	95	600	1/2"	12,6	1,8	917	462	1,34370	4,78056
	13	634	650	95	600	1/2"	13,7	2,0	993	501	1,34370	5,17894
	14	634	700	95	600	1/2"	14,7	2,1	1070	539	1,34370	5,57732
	15	634	750	95	600	1/2"	15,8	2,3	1146	578	1,34370	5,97570
	16	634	800	95	600	1/2"	16,8	2,4	1222	616	1,34370	6,37408
	17	634	850	95	600	1/2"	17,9	2,6	1299	655	1,34370	6,77246
	18	634	900	95	600	1/2"	18,9	2,7	1375	693	1,34370	7,17084
	19	634	950	95	600	1/2"	20,0	2,9	1452	732	1,34370	7,56922
	20	634	1000	95	600	1/2"	21,0	3,0	1528	770	1,34370	7,96760
	21	634	1050	95	600	1/2"	22,1	3,2	1604	809	1,34370	8,36598
	22	634	1100	95	600	1/2"	23,1	3,3	1681	847	1,34370	8,76436
	23	634	1150	95	600	1/2"	24,2	3,5	1757	886	1,34370	9,16274
	24	634	1200	95	600	1/2"	25,2	3,6	1834	924	1,34370	9,56112
623	6	657	300	95	623	1/2"	6,6	0,9	474	239	1,34281	2,47836
	7	657	350	95	623	1/2"	7,7	1,1	553	279	1,34281	2,89142
	8	657	400	95	623	1/2"	8,8	1,2	632	318	1,34281	3,30448
	9	657	450	95	623	1/2"	9,9	1,4	711	358	1,34281	3,71754
	10	657	500	95	623	1/2"	11,0	1,5	790	398	1,34281	4,13060
	11	657	550	95	623	1/2"	12,1	1,7	869	438	1,34281	4,54366
	12	657	600	95	623	1/2"	13,2	1,9	948	478	1,34281	4,95672
	13	657	650	95	623	1/2"	14,3	2,0	1027	517	1,34281	5,36978
	14	657	700	95	623	1/2"	15,4	2,2	1106	557	1,34281	5,78284
	15	657	750	95	623	1/2"	16,5	2,3	1185	597	1,34281	6,19590
	16	657	800	95	623	1/2"	17,6	2,5	1264	637	1,34281	6,60896
	17	657	850	95	623	1/2"	18,7	2,6	1343	677	1,34281	7,02202
	18	657	900	95	623	1/2"	19,8	2,8	1422	716	1,34281	7,43508
	19	657	950	95	623	1/2"	20,9	2,9	1501	756	1,34281	7,84814
	20	657	1000	95	623	1/2"	22,0	3,1	1580	796	1,34281	8,26120
	21	657	1050	95	623	1/2"	23,1	3,2	1659	836	1,34281	8,67426
	22	657	1100	95	623	1/2"	24,2	3,4	1738	876	1,34281	9,08732
	23	657	1150	95	623	1/2"	25,3	3,6	1817	915	1,34281	9,50038
	24	657	1200	95	623	1/2"	26,4	3,7	1896	955	1,34281	9,91344
700	6	734	300	95	700	1/2"	7,5	1,0	524	265	1,33983	2,77578
	7	734	350	95	700	1/2"	8,8	1,2	612	309	1,33983	3,23841
	8	734	400	95	700	1/2"	10,0	1,4	699	353	1,33983	3,70104
	9	734	450	95	700	1/2"	11,3	1,5	787	397	1,33983	4,16367
	10	734	500	95	700	1/2"	12,5	1,7	874	441	1,33983	4,62630
	11	734	550	95	700	1/2"	13,8	1,9	961	485	1,33983	5,08893
	12	734	600	95	700	1/2"	15,0	2,0	1049	529	1,33983	5,55156
	13	734	650	95	700	1/2"	16,3	2,2	1136	573	1,33983	6,01419
	14	734	700	95	700	1/2"	17,5	2,4	1224	617	1,33983	6,47682
	15	734	750	95	700	1/2"	18,8	2,5	1311	662	1,33983	6,93945
	16	734	800	95	700	1/2"	20,0	2,7	1398	706	1,33983	7,40208
	17	734	850	95	700	1/2"	21,3	2,9	1486	750	1,33983	7,86471
	18	734	900	95	700	1/2"	22,5	3,0	1573	794	1,33983	8,32734
	19	734	950	95	700	1/2"	23,8	3,2	1661	838	1,33983	8,78997
	20	734	1000	95	700	1/2"	25,0	3,4	1748	882	1,33983	9,25260
	21	734	1050	95	700	1/2"	26,3	3,5	1835	926	1,33983	9,71523
	22	734	1100	95	700	1/2"	27,5	3,7	1923	970	1,33983	10,17786
	23	734	1150	95	700	1/2"	28,8	3,9	2010	1014	1,33983	10,64049
	24	734	1200	95	700	1/2"	30,0	4,1	2098	1058	1,33983	11,10312

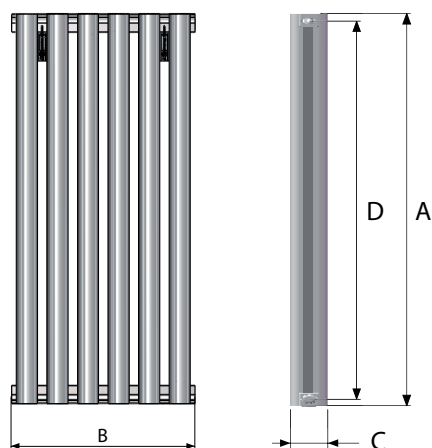
ANTEPRIMA	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
730	6	764	300	95	730	1/2"	7,8	1,0	544	275	1,33868	2,89224
	7	764	350	95	730	1/2"	9,1	1,2	635	321	1,33868	3,37428
	8	764	400	95	730	1/2"	10,4	1,4	726	366	1,33868	3,85632
	9	764	450	95	730	1/2"	11,7	1,6	816	412	1,33868	4,33836
	10	764	500	95	730	1/2"	13,0	1,7	907	458	1,33868	4,82040
	11	764	550	95	730	1/2"	14,3	1,9	998	504	1,33868	5,30244
	12	764	600	95	730	1/2"	15,6	2,1	1088	550	1,33868	5,78448
	13	764	650	95	730	1/2"	16,9	2,3	1179	595	1,33868	6,26652
	14	764	700	95	730	1/2"	18,2	2,4	1270	641	1,33868	6,74856
	15	764	750	95	730	1/2"	19,5	2,6	1361	687	1,33868	7,23060
	16	764	800	95	730	1/2"	20,8	2,8	1451	733	1,33868	7,71264
	17	764	850	95	730	1/2"	22,1	3,0	1542	779	1,33868	8,19468
	18	764	900	95	730	1/2"	23,4	3,1	1633	824	1,33868	8,67672
	19	764	950	95	730	1/2"	24,7	3,3	1723	870	1,33868	9,15876
	20	764	1000	95	730	1/2"	26,0	3,5	1814	916	1,33868	9,64080
	21	764	1050	95	730	1/2"	27,3	3,7	1905	962	1,33868	10,12284
	22	764	1100	95	730	1/2"	28,6	3,8	1995	1008	1,33868	10,60488
	23	764	1150	95	730	1/2"	29,9	4,0	2086	1053	1,33868	11,08692
	24	764	1200	95	730	1/2"	31,2	4,2	2177	1099	1,33868	11,56896
800	6	834	300	95	800	1/2"	8,4	1,1	589	298	1,33597	3,16680
	7	834	350	95	800	1/2"	9,8	1,3	687	347	1,33597	3,69460
	8	834	400	95	800	1/2"	11,2	1,5	786	397	1,33597	4,22240
	9	834	450	95	800	1/2"	12,6	1,7	884	446	1,33597	4,75020
	10	834	500	95	800	1/2"	14,0	1,9	982	496	1,33597	5,27800
	11	834	550	95	800	1/2"	15,4	2,1	1080	546	1,33597	5,80580
	12	834	600	95	800	1/2"	16,8	2,2	1178	595	1,33597	6,33360
	13	834	650	95	800	1/2"	18,2	2,4	1277	645	1,33597	6,86140
	14	834	700	95	800	1/2"	19,6	2,6	1375	694	1,33597	7,38920
	15	834	750	95	800	1/2"	21,0	2,8	1473	744	1,33597	7,91700
	16	834	800	95	800	1/2"	22,4	3,0	1571	794	1,33597	8,44480
	17	834	850	95	800	1/2"	23,8	3,2	1669	843	1,33597	8,97260
	18	834	900	95	800	1/2"	25,2	3,4	1768	893	1,33597	9,50040
	19	834	950	95	800	1/2"	26,6	3,6	1866	942	1,33597	10,02820
	20	834	1000	95	800	1/2"	28,0	3,7	1964	992	1,33597	10,55600
	21	834	1050	95	800	1/2"	29,4	3,9	2062	1042	1,33597	11,08380
	22	834	1100	95	800	1/2"	30,8	4,1	2160	1091	1,33597	11,61160
	23	834	1150	95	800	1/2"	32,2	4,3	2259	1141	1,33597	12,13940
	24	834	1200	95	800	1/2"	33,6	4,5	2357	1190	1,33597	12,66720
813	6	847	300	95	813	1/2"	8,7	1,1	598	302	1,33547	3,21792
	7	847	350	95	813	1/2"	10,2	1,3	697	353	1,33547	3,75424
	8	847	400	95	813	1/2"	11,6	1,5	797	403	1,33547	4,29056
	9	847	450	95	813	1/2"	13,1	1,7	896	454	1,33547	4,82688
	10	847	500	95	813	1/2"	14,5	1,9	996	504	1,33547	5,36320
	11	847	550	95	813	1/2"	16,0	2,1	1096	554	1,33547	5,89952
	12	847	600	95	813	1/2"	17,4	2,3	1195	605	1,33547	6,43584
	13	847	650	95	813	1/2"	18,9	2,5	1295	655	1,33547	6,97216
	14	847	700	95	813	1/2"	20,3	2,7	1394	706	1,33547	7,50848
	15	847	750	95	813	1/2"	21,8	2,8	1494	756	1,33547	8,04480
	16	847	800	95	813	1/2"	23,2	3,0	1594	806	1,33547	8,58112
	17	847	850	95	813	1/2"	24,7	3,2	1693	857	1,33547	9,11744
	18	847	900	95	813	1/2"	26,1	3,4	1793	907	1,33547	9,65376
	19	847	950	95	813	1/2"	27,6	3,6	1892	958	1,33547	10,19008
	20	847	1000	95	813	1/2"	29,0	3,8	1992	1008	1,33547	10,72640
	21	847	1050	95	813	1/2"	30,5	4,0	2092	1058	1,33547	11,26272
	22	847	1100	95	813	1/2"	31,9	4,2	2191	1109	1,33547	11,79904
	23	847	1150	95	813	1/2"	33,4	4,4	2291	1159	1,33547	12,33563
	24	847	1200	95	813	1/2"	34,8	4,5	2390	1210	1,33547	12,87168

ANTEPRIMA	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
900	4	934	200	95	900	1/2"	6,4	0,8	436	220	1,33211	2,37572
	5	934	250	95	900	1/2"	8,0	1,0	545	276	1,33211	2,96965
	6	934	300	95	900	1/2"	9,6	1,2	653	331	1,33211	3,56358
	7	934	350	95	900	1/2"	11,2	1,4	762	386	1,33211	4,15751
	8	934	400	95	900	1/2"	12,8	1,6	871	441	1,33211	4,75144
	9	934	450	95	900	1/2"	14,4	1,8	980	496	1,33211	5,34537
	10	934	500	95	900	1/2"	16,0	2,1	1089	551	1,33211	5,93930
	11	934	550	95	900	1/2"	17,6	2,3	1198	606	1,33211	6,53323
	12	934	600	95	900	1/2"	19,2	2,5	1307	661	1,33211	7,12716
	13	934	650	95	900	1/2"	20,8	2,7	1416	716	1,33211	7,72109
	14	934	700	95	900	1/2"	22,4	2,9	1525	771	1,33211	8,31502
	15	934	750	95	900	1/2"	24,0	3,1	1634	827	1,33211	8,90895
	16	934	800	95	900	1/2"	25,6	3,3	1742	882	1,33211	9,50288
	17	934	850	95	900	1/2"	27,2	3,5	1851	937	1,33211	10,09681
	18	934	900	95	900	1/2"	28,8	3,7	1960	992	1,33211	10,69074
	19	934	950	95	900	1/2"	30,4	3,9	2069	1047	1,33211	11,28467
	20	934	1000	95	900	1/2"	32,0	4,1	2178	1102	1,33211	11,87860
	21	934	1050	95	900	1/2"	33,6	4,3	2287	1157	1,33211	12,47253
	22	934	1100	95	900	1/2"	35,2	4,5	2396	1212	1,33211	13,06646
	23	934	1150	95	900	1/2"	36,8	4,7	2505	1267	1,33211	13,66039
	24	934	1200	95	900	1/2"	38,4	4,9	2614	1322	1,33211	14,25432
1000	4	1034	200	95	1000	1/2"	7,2	0,9	478	240	1,34265	2,49960
	5	1034	250	95	1000	1/2"	9,0	1,1	597	301	1,34265	3,12450
	6	1034	300	95	1000	1/2"	10,8	1,3	716	361	1,34265	3,74940
	7	1034	350	95	1000	1/2"	12,6	1,6	836	421	1,34265	4,37430
	8	1034	400	95	1000	1/2"	14,4	1,8	955	481	1,34265	4,99920
	9	1034	450	95	1000	1/2"	16,2	2,0	1075	541	1,34265	5,62410
	10	1034	500	95	1000	1/2"	18,8	2,2	1194	601	1,34265	6,24900
	11	1034	550	95	1000	1/2"	19,8	2,5	1313	661	1,34265	6,87390
	12	1034	600	95	1000	1/2"	21,6	2,7	1433	721	1,34265	7,49880
	13	1034	650	95	1000	1/2"	23,4	2,9	1552	781	1,34265	8,12370
	14	1034	700	95	1000	1/2"	25,2	3,1	1672	841	1,34265	8,74860
	15	1034	750	95	1000	1/2"	27,0	3,4	1791	902	1,34265	9,37350
	16	1034	800	95	1000	1/2"	28,8	3,6	1910	962	1,34265	9,99840
	17	1034	850	95	1000	1/2"	30,6	3,8	2030	1022	1,34265	10,62330
	18	1034	900	95	1000	1/2"	32,4	4,0	2149	1082	1,34265	11,24820
	19	1034	950	95	1000	1/2"	34,2	4,2	2269	1142	1,34265	11,87310
	20	1034	1000	95	1000	1/2"	36,0	4,5	2388	1202	1,34265	12,49800
	21	1034	1050	95	1000	1/2"	37,8	4,7	2507	1262	1,34265	13,12290
	22	1034	1100	95	1000	1/2"	39,6	4,9	2627	1322	1,34265	13,74780
	23	1034	1150	95	1000	1/2"	41,4	5,1	2746	1382	1,34265	14,37270
	24	1034	1200	95	1000	1/2"	43,2	5,4	2866	1442	1,34265	14,99760
1200	4	1234	200	95	1200	1/2"	8,8	1,0	560	279	1,36372	2,69824
	5	1234	250	95	1200	1/2"	11,0	1,3	700	349	1,36372	3,37280
	6	1234	300	95	1200	1/2"	13,2	1,6	839	418	1,36372	4,04736
	7	1234	350	95	1200	1/2"	15,4	1,8	979	488	1,36372	4,72192
	8	1234	400	95	1200	1/2"	17,6	2,1	1119	558	1,36372	5,39648
	9	1234	450	95	1200	1/2"	19,8	2,3	1259	627	1,36372	6,07104
	10	1234	500	95	1200	1/2"	22,0	2,6	1399	697	1,36372	6,74560
	11	1234	550	95	1200	1/2"	24,2	2,9	1539	767	1,36372	7,42016
	12	1234	600	95	1200	1/2"	26,4	3,1	1679	836	1,36372	8,09472
	13	1234	650	95	1200	1/2"	28,6	3,4	1819	906	1,36372	8,76928
	14	1234	700	95	1200	1/2"	30,8	3,6	1959	976	1,36372	9,44384
	15	1234	750	95	1200	1/2"	33,0	3,9	2099	1046	1,36372	10,11840
	16	1234	800	95	1200	1/2"	35,2	4,2	2238	1115	1,36372	10,79269

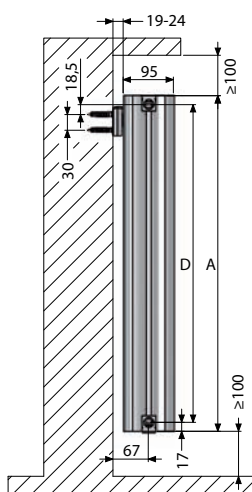
ANTEPRIMA	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depht	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
1400	4	1434	200	95	1400	1/2"	9,6	1,2	640	315	1,38479	2,84024
	5	1434	250	95	1400	1/2"	12,0	1,5	800	394	1,38479	3,55030
	6	1434	300	95	1400	1/2"	14,4	1,8	960	473	1,38479	4,26036
	7	1434	350	95	1400	1/2"	16,8	2,1	1120	552	1,38479	4,97042
	8	1434	400	95	1400	1/2"	19,2	2,4	1280	630	1,38479	5,68048
	9	1434	450	95	1400	1/2"	21,6	2,7	1440	709	1,38479	6,39054
	10	1434	500	95	1400	1/2"	24,0	3,0	1600	788	1,38479	7,10060
	11	1434	550	95	1400	1/2"	26,4	3,3	1760	867	1,38479	7,81066
	12	1434	600	95	1400	1/2"	28,8	3,6	1920	946	1,38479	8,52072
	13	1434	650	95	1400	1/2"	31,2	3,9	2080	1024	1,38479	9,23078
	14	1434	700	95	1400	1/2"	33,6	4,2	2240	1103	1,38479	9,94084
	15	1434	750	95	1400	1/2"	36,0	4,4	2400	1182	1,38479	10,65090
	16	1434	800	95	1400	1/2"	38,4	4,7	2560	1261	1,38479	11,36096
1600	4	1634	200	95	1600	1/2"	10,4	1,3	718	355	1,37997	3,24732
	5	1634	250	95	1600	1/2"	13,0	1,7	898	444	1,37997	4,05915
	6	1634	300	95	1600	1/2"	15,6	2,0	1077	532	1,37997	4,87098
	7	1634	350	95	1600	1/2"	18,2	2,3	1257	621	1,37997	5,68281
	8	1634	400	95	1600	1/2"	20,8	2,7	1436	710	1,37997	6,49464
	9	1634	450	95	1600	1/2"	23,4	3,0	1616	798	1,37997	7,30647
	10	1634	500	95	1600	1/2"	26,0	3,3	1795	887	1,37997	8,11830
	11	1634	550	95	1600	1/2"	28,6	3,7	1975	976	1,37997	8,93013
	12	1634	600	95	1600	1/2"	31,2	4,0	2154	1064	1,37997	9,74196
	13	1634	650	95	1600	1/2"	33,8	4,3	2334	1153	1,37997	10,55379
	14	1634	700	95	1600	1/2"	36,4	4,7	2513	1242	1,37997	11,36562
	15	1634	750	95	1600	1/2"	39,0	5,0	2693	1331	1,37997	12,17745
	16	1634	800	95	1600	1/2"	41,6	5,3	2872	1419	1,37997	12,98928
1735	4	1769	200	95	1735	1/2"	11,2	1,4	770	381	1,37672	3,52528
	5	1769	250	95	1735	1/2"	14,0	1,8	962	476	1,37672	4,40660
	6	1769	300	95	1735	1/2"	16,8	2,1	1154	571	1,37672	5,28792
	7	1769	350	95	1735	1/2"	19,6	2,5	1347	666	1,37672	6,16924
	8	1769	400	95	1735	1/2"	22,4	2,9	1539	762	1,37672	7,05056
	9	1769	450	95	1735	1/2"	25,2	3,2	1732	857	1,37672	7,93188
	10	1769	500	95	1735	1/2"	28,0	3,6	1924	952	1,37672	8,81320
	11	1769	550	95	1735	1/2"	30,8	3,9	2116	1047	1,37672	9,69452
	12	1769	600	95	1735	1/2"	33,6	4,3	2309	1142	1,37672	10,57584
	13	1769	650	95	1735	1/2"	36,4	4,7	2501	1238	1,37672	11,45716
	14	1769	700	95	1735	1/2"	39,2	5,0	2694	1333	1,37672	12,33848
	15	1769	750	95	1735	1/2"	42,0	5,4	2886	1428	1,37672	13,21980
	16	1769	800	95	1735	1/2"	44,8	5,7	3078	1523	1,37672	14,10112
1800	4	1834	200	95	1800	1/2"	11,6	1,5	794	393	1,37515	3,66020
	5	1834	250	95	1800	1/2"	14,5	1,8	993	492	1,37515	4,57525
	6	1834	300	95	1800	1/2"	17,4	2,2	1191	590	1,37515	5,49030
	7	1834	350	95	1800	1/2"	20,3	2,6	1390	688	1,37515	6,40535
	8	1834	400	95	1800	1/2"	23,2	3,0	1588	786	1,37515	7,32040
	9	1834	450	95	1800	1/2"	26,1	3,3	1787	885	1,37515	8,23545
	10	1834	500	95	1800	1/2"	29,0	3,7	1985	983	1,37515	9,15050
	11	1834	550	95	1800	1/2"	31,9	4,1	2184	1081	1,37515	10,06555
	12	1834	600	95	1800	1/2"	34,8	4,4	2382	1180	1,37515	10,98060
	13	1834	650	95	1800	1/2"	37,7	4,8	2581	1278	1,37515	11,89565
	14	1834	700	95	1800	1/2"	40,6	5,2	2779	1376	1,37515	12,81070
	15	1834	750	95	1800	1/2"	43,5	5,5	2978	1475	1,37515	13,72575
	16	1834	800	95	1800	1/2"	46,4	5,9	3176	1573	1,37515	14,64080

ANTEPRIMA	n. of sections	dimensions mm				Ø connec- tions	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
		A overall height	B width	C depth	D pipe centres				ΔT 50°C	ΔT 30°C		
									Watt	Watt		
2000	4	2034	200	95	2000	1/2"	12,8	1,6	868	431	1,37033	4,07896
	5	2034	250	95	2000	1/2"	16,0	2,0	1086	539	1,37033	5,09870
	6	2034	300	95	2000	1/2"	19,2	2,4	1303	647	1,37033	6,11844
	7	2034	350	95	2000	1/2"	22,4	2,8	1520	755	1,37033	7,13818
	8	2034	400	95	2000	1/2"	25,6	3,2	1737	862	1,37033	8,15792
	9	2034	450	95	2000	1/2"	28,8	3,7	1954	970	1,37033	9,17766
	10	2034	500	95	2000	1/2"	32,0	4,1	2171	1078	1,37033	10,19740
	11	2034	550	95	2000	1/2"	35,2	4,5	2388	1186	1,37033	11,21714
	12	2034	600	95	2000	1/2"	38,4	4,9	2605	1294	1,37033	12,23688
	13	2034	650	95	2000	1/2"	41,6	5,3	2822	1401	1,37033	13,25662
	14	2034	700	95	2000	1/2"	44,8	5,7	3039	1509	1,37033	14,27636
	15	2034	750	95	2000	1/2"	48,0	6,1	3257	1617	1,37033	15,29610
	16	2034	800	95	2000	1/2"	51,2	6,5	3474	1725	1,37033	16,31584

The heat output of the Global radiators is seen in the results of the tests carried out in accordance with the EN 442 standard



The highest heat output can be obtained by mounting the radiators observing the following distances:
 = 19 - 24 mm from the wall
 ≥ 100 mm from the floor
 ≥ 100 mm from the shelf or window-sills



In order to prevent thermal expansion of the system from causing noise at the heaters, it is recommended to position the plastic brackets (art. A260, included in the supply) in the centre of the space provided.

Thermal performance according to EN 442

The heat output of the Global sections highlighted in the catalogue are certified in accordance with the **EN 442** standard, drawn up to respond to the standardisation requirements of heat output in the Member States of the European Community. The advantages of a low temperature system will generate:

- lower fuel consumption due to the decrease in passive losses of thermal energy from boilers, pipes and heaters;
- improved hygiene of heated environments: this solution limits the convective motion of the air to the least necessary;
- lower thermal gradients in heated rooms with a consequent improvement of environmental comfort.

Heat output with ΔT other than 50°C and 30°C

The variation in heat output (**P**) is calculated by applying the characteristic equation **P = Km · ΔTⁿ**

where **P** = heat output

Km = characteristic coefficient of each radiator model

n = distinctive coefficient of the heating element

ΔT = the resultant of this equation **tm - ta**

where **tm** = **te+tu/2**

te = entry water temperature

tu = exit water temperature

ta = room temperature (standard 20°C)

tm = mean water temperature

Example Anteprima 1800/10 sections, ΔT 40°C

$$P = Km \cdot \Delta T^n \rightarrow P = 9,15050 \cdot 40^{1,37515} = 1461 \text{ Watt}$$

RADIATORS FOR ARCHITECTURE ANTEPRIMA ACCESSORIES



L-SHAPED TOWEL RAILS

- A266** white 300 mm (recommended up to 6 sections)
A266 special colours 300 mm (recommended up to 6 sections)
A267 white 400 mm (recommended over 8 sections)
A267 special colours 400 mm (recommended over 8 sections)



HANDY HOOK GRIP

- A265** white
A265 special colours



- A260** white bracket
A260 special colours bracket



- A268** white grid
A268 chrome or special colours grid



- A011** 1/2" white blind plug



- A011** 1/2" chrome blind plug



- A041** adjustable manual air vent valve - white



- A038** adjustable manual air vent valve - chrome



- A052** diverter



- A018** Cillit HS 23 Combi liquid



- A019** plug wrench



- A017** RAL 9010 white marker



- A010** RAL 9010 white or special colour spray can

ACCESSORIES INCLUDED FOR ANTEPRIMA

- n. 2/3 art. A260 brackets
 art. A011 1/2" white or chrome plug (for coloured radiators)
 n. 1 art. A041 1/2" white manual air vent valve or art. A038 chrome (for coloured radiators)

- Grids and hole plugs are supplied in the same colour as the radiator
- Chrome grids and hole plugs are supplied on request; free of charge for coloured radiators, at an extra charge for white radiators according to the price list
- Antepima radiators can also be fitted with a bottom connection (50 mm pipe centres), for underfloor pipes (G-H-i-L-M configurations) at a charge of € 10,00 net each radiator

CORRECT INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS

- Antepima radiators can be used in all hot water or vapour heating installations up to 110°C with a working pressure up to 1600 K Pascal -16 bar.
- They can be installed in systems using iron, copper or thermoplastic pipes.
- In order to preserve the systems from scaling and corrosion, it is recommended to check the pH of the water (preferably between 6.5 and 8) and to introduce a inhibitive additive such as Cillit-Hs 23 Al or similar in the quantity recommended by the manufacturer.
- **Automatic or manual air vent valves must be installed on radiators.**
- **Avoid complete closure of the radiator shut-off valves in order to allow any gas that there might be inside the same to escape through the automatic air vent valve, which is mandatory in any heating system, thus avoiding possible overpressure that could damage the radiators.**
- If one or more batteries are to be excluded from the circuit, an automatic air vent must be fitted to each battery.
- To ensure lasting protection of painting, radiators must not be stored in very wet or damp environments before and after installation such as inside showers, saunas, turkish baths, near swimming pools etc.
 Paint peeling off on parts of the radiator could cause the formation of aluminium oxide and have the paint completely peeled off.
 Do not use porous clay humidifiers.
- For the external cleaning of the radiator and surfaces near the radiator, it is necessary to avoid the use of abrasive or chemically corrosive/aggressive products of any nature, as the use of water and neutral detergent is sufficient. Performing the operation when the radiators are cold to maintain the original brilliance of the paint over time.
- Do not place weights and/or objects on the radiators. Do not use radiators for any purpose other than heating elements (e.g.: as a support system, as steps, as support for furniture or objects).

HOW TO USE CODES FOR ORDERING

RADIATORS FOR ARCHITECTURE SEBINO

SE radiator model	0350 pipe centres	10 colour code	06 number of sections	A connection
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* example **SE03501006A** - **SE** Sebino; **0350** pipe centres; **10** white colour; **06** number of sections; **A** connection

** When ordering radiators in special colours, please specify the Code according to the Colour Card (rif. next page)

The order for the Sebino model **shall always include the specification of the hydraulic connection**: see diagram below

RADIATORS FOR ARCHITECTURE TONALE

TO radiator model	0350 pipe centres	10 colour code	06 number of sections	A connection	T front sections
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* example **TO03501006AT**:

TO Tonale; **0350** pipe centres; **10** white colour; **06** number of sections; **A** connection; **T** round front sections

** When ordering radiators in special colours, please specify the Code according to the Colour Card (rif. next page)

The order for the Tonale model **shall always include the specification of the hydraulic connection and the front section configuration**: see diagrams below



T = round front sections
Q = square front sections

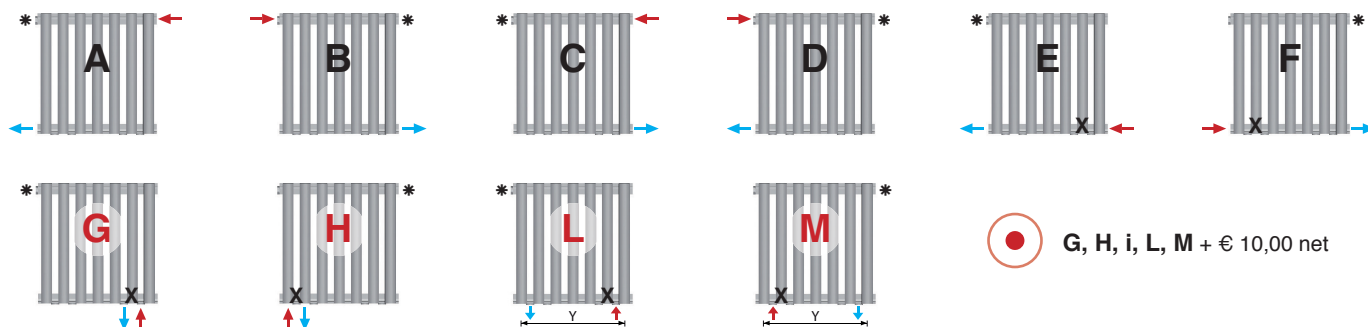
RADIATORS FOR ARCHITECTURE ANTEPRIMA

AN radiator model	0350 pipe centres	10 colour code	06 number of sections	A connection
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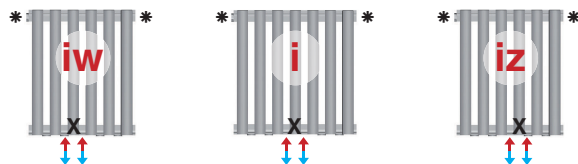
* example **AN03501006A**: **AN** Anteprema; **0350** pipe centres; **10** white colour; **06** number of sections; **A** connection

** When ordering radiators in special colours, please specify the Code according to the Colour Card (ref. next page)

The order for the Anteprema model **shall always include the specification of the hydraulic connection**: see diagram below



G, H, I, L, M + € 10,00 net



The central connection, configuration **-i-** can only be set up with an **odd number of elements**.

With an **even number of elements**, the left **-iw-** or right **-iz-** position in relation to the intermediate axis must be indicated, with a shift of 80 mm for Sebino model, 50 mm for Tonale and Anteprema models.



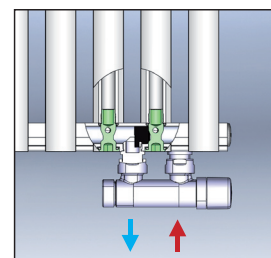
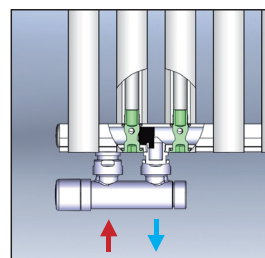
☒ For single-pipe systems, **configuration G-H-i only**, Sebino, Tonale and Anteprema radiators **shall be installed with appropriate valves** (art. A404 or similar), with 50 mm pipe centres.

* = AIR VENT VALVE

X = DIVERTER

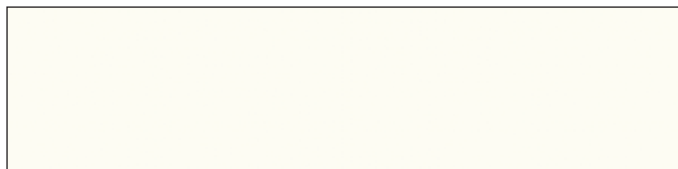
Y = (width tot) – 50 mm Sebino; – 100 mm Tonale and Anteprema

☒ In the configurations E-F-G-H-I-L-M the radiators are **supplied already with diverter** (art. A052 included).



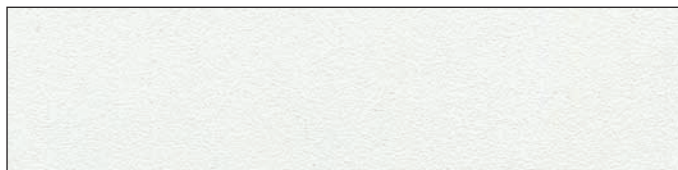
standard colour

cod. 10
white glossy
RAL 9010

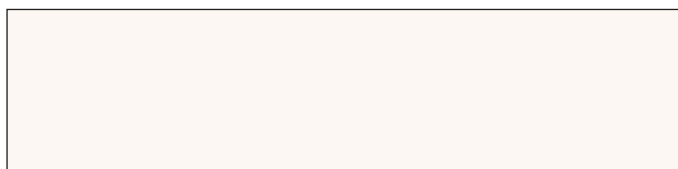


special colours

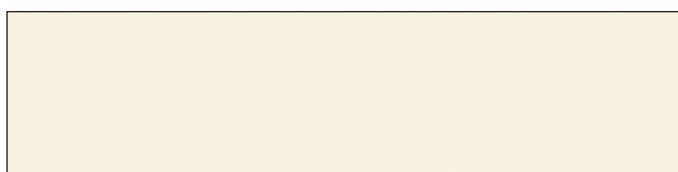
cod. 11
white sand
RAL 9016



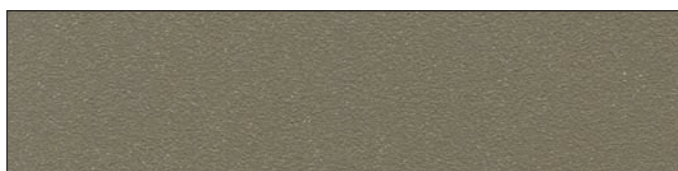
cod. 12
white matt



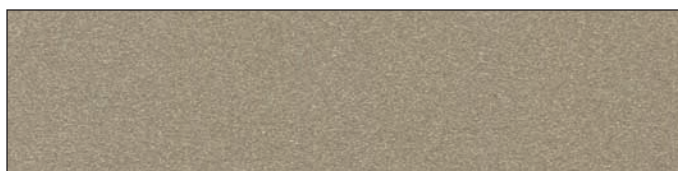
cod. 01
ivory glossy



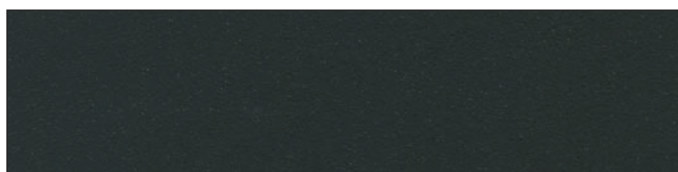
cod. 05
metallic matt beige



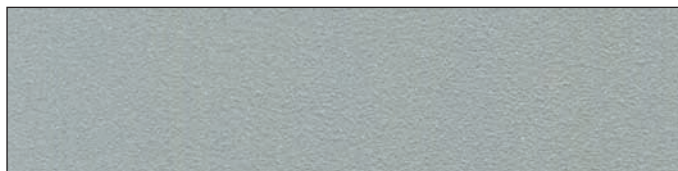
cod. 06
metallic matt quartz



cod. 07
metallic matt dark grey



cod. 08
metallic matt silver grey



cod. 09
metallic matt rust



cod. 14
black matt



The colours are indicative. For technical printing reasons, it is no possible to faithfully reproduce the paints used. The colour of the products supplied may differ from that shown in this catalogue.



[®]**GLOBAL**
R A D I A T O R I



ALUMINIUM RADIATORS HALF A CENTURY OF EVOLUTION

In over fifty years we have been both witnesses and protagonists with you of constantly changing ways of living. The design, the utilisation logics, the construction of the spaces have been, and will continue to be ever-evolving.

Being fully aware of this element, we have never stood still. Our radiators are designed to capture the eye, guiding it through harmonious and sleek shapes built from the solid simplicity of aluminium.

Corporate know-how grows with new technologies and skills: the contribution of people, experience and knowledge, and the strong desire to maintain improvement are specifically aimed at developing the production chain, logistics and customer service to the extent possible.



THE BEST SOLUTION FOR WELL-BEING AND SAVINGS

- 1 Low thermal inertia, instant heat
- 2 Best building-system compromise for high energy efficient constructions
- 3 Simplicity: among all the different systems, it is the most simple
- 4 Reduced installation costs
- 5 Fast set-up
- 6 Excellent performance even at low temperatures
- 7 Greater user flexibility
- 8 Ideal for the energy upgrading of existing buildings
- 9 Reduced costs compared to radiating systems
- 10 Lower electrical consumption of the auxiliary systems (circulation pumps)
- 11 Performance optimisation with climate-compensated system integration

11 reasons you should choose us

DESIGN SAVING COMFORT



From design engineering to installation, Global's radiator heating system is exceptionally cost-effective. Pre-assembled to the requested dimensions, the aluminium batteries are lightweight, easy to handle and reduce installation costs.



The renowned high thermal conductivity of aluminium allows for very swift temperature adjustments, maximising comfort in individual environments. By programming the heat amounts and optimising plant system management, it is possible to generate significant energy savings, which translates into economic savings and ecological benefits given the reduction in the release of harmful emissions into the environment. Wifi controlled digital thermostatic valves and timer-thermostats envisage immediate temperature management according to external changes and free heat inputs.



The efficiency of the Global radiators is also guaranteed in low-temperature systems with conventional or condensing boilers, regardless of the power supply type (natural gas, diesel, wood, pellets, biomass). They maintain high performance with heat pump systems and solar thermal integration systems.



The Global aluminium radiator systems fully comply with European energy demand management directives, using low thermal inertia systems. Installation in new builds and refurbishings, routine maintenance and failure interventions are much more cost-effective compared to underfloor installations.



The production process has been ICIM certified since 1994 to ensure maximum quality, efficiency and long service life of all our radiators.

Technique is the art of knowing how to do things,
an idea developed by research,
and turned into application is where a product is born.

This happened in Valle Camonica back in 1971 when the founders of Global left their mark in the economic and social development of an entire territory.

It all began with the dedication and professional expertise of the workers, the training of people from the valley who have work in their DNA, and the investments in innovative, productive and commercial resources.

It is an enterprise that over time has discovered how to operate at its best, increasing the range of products, the dedicated efforts and the level of satisfaction; this is what made Global become a benchmark model for the domestic and international market.



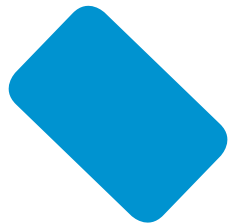
RADIATORS

gl
vip
mix
vox
vox extra
klass
iseo
lovere
ekos
ekos plus
oscar
oscar tondo



TOWEL WARMERS

junior
vetta

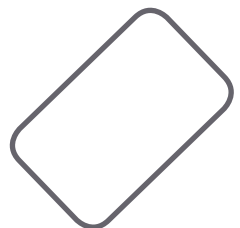


accessories
correct installation, use and maintenance instruction
warranty
certification



RADIATORS FOR ARCHITECTURE

sebino
tonale
anteprima





It is like the crest of a wave that vaporises, blending with the air, the energy passing through the body that imprisons it in the space that surrounds it.

The heat is finally released and spreads into the room; the design of the fins guides its motion.







GL	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
GL 800/80	890	80	95	800	1"	2,20	0,55	183	93	1,32929	1,00806
GL 700/80	790	80	95	700	1"	1,94	0,53	166	84	1,32907	0,91684
GL 600/80	690	80	95	600	1"	1,60	0,51	145	74	1,32879	0,80367
GL 500/80	590	80	95	500	1"	1,48	0,40	126	64	1,32855	0,69822
GL 350/80	440	80	95	350	1"	1,28	0,38	97	49	1,32817	0,53646
GL 350/80/D	440	80	180	350	1"	2,12	0,70	157	80	1,31832	0,90597
GL 200/80/D	290	80	180	200	1"	1,42	0,52	103	53	1,31521	0,60052

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



MORE HEATING POWER

The high thermal output allows less bulky radiators to be installed.

The thermal output is certified by the Institute of Engineering "Politecnico" in Milan according to the norm EN 442.





vip

Eliminating the superfluous, forgetting everything that refers to decorative virtuosity, the mind relaxes by referring to the infinitely simple: allowing the gaze to glide without interruption, looking beyond, reaching the essence, the uncontaminated soul of warmth.





vip

VIP	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	890	80	95	800	1"	2,19	0,59	180	91	1,32365	1,01441
700	790	80	95	700	1"	2,05	0,53	161	82	1,32283	0,91188
600	690	80	95	600	1"	1,66	0,49	142	72	1,32201	0,80797
500	590	80	95	500	1"	1,62	0,39	123	63	1,32118	0,70243
350	440	80	95	350	1"	1,13	0,35	94	48	1,31996	0,54042

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn





CLEANLINESS

The linear surfaces of the sections simplify cleaning, avoiding the use of corrosive products.





It is a living presence, concurrently strong and flexible, capable of dialoguing with its surroundings, highlighting the contrast between the pure technology of aluminium and the architectural materials that frame it. It is a discrete key player that becomes an indispensable furnishing element.



mix

MIX	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	890	80	95	800	1"	2,16	0,60	180	91	1,32575	1,00414
700	790	80	95	700	1"	2,02	0,54	161	82	1,32420	0,90443
600	690	80	95	600	1"	1,65	0,48	142	72	1,32266	0,80314
500	590	80	95	500	1"	1,61	0,40	123	63	1,32111	0,70003
350	440	80	95	350	1"	1,13	0,36	94	48	1,31878	0,54003
300	390	80	95	300	1"	1,00	0,33	82	43	1,28408	0,54198

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



TECHNOLOGY

Each model is manufactured with the utmost care, careful selection of raw materials and state-of-the-art technological processing.





The vertical geometry of the individual sections is interrupted by double fins that direct the heat flow; the radiator body ends in an elegant curve at the top.

The Vox design is a synthesis of beauty and outstanding functionality.





** The NF certification doesn't include Vox 200 model



SECTIONS

The wide range of sizes and the modularity of the sections allow you to find solutions that meet both heat and aesthetic requirements.





VOX*extra*

The expression of defined, sleek, eternally elegant volumes in a delicate balance between linearity and soft curves. Aesthetics and functionality are the core values of the Global philosophy: maximum well-being and energy savings.





VOX^{extra}

VOX EXTRA	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	877	80	95	800	1"	1,85	0,58	173	88	1,32128	0,98501
700	777	80	95	700	1"	1,66	0,55	156	80	1,31275	0,91594
600	677	80	95	600	1"	1,48	0,49	137	71	1,30530	0,83207
500	577	80	95	500	1"	1,28	0,44	119	61	1,29335	0,75415
350	477	80	95	350	1"	0,99	0,36	89	46	1,27760	0,59838

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



THERMAL INERTIA

Perfectly compatible with low-temperature systems, Global radiators meet the European directives for the reduction of heat requirements in renovations and new buildings.





klass

The balance of proportions is the result of a well-measured interplay of straight and curved lines that design the luxury profile of the radiators.

The lightness of the aluminium takes shape in a new model with a unique personality!





klass

KLASS	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	882	80	80	800	1"	1,95	0,58	162	82	1,33906	0,86204
700	782	80	80	700	1"	1,73	0,54	148	75	1,34059	0,78054
600	682	80	80	600	1"	1,58	0,50	132	67	1,32865	0,72728
500	582	80	80	500	1"	1,41	0,44	116	60	1,30020	0,71593
350	432	80	80	350	1"	1,04	0,37	85	44	1,29157	0,54598

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



SYSTEM

The maximum efficiency of the heating sections is obtained with an installation and filling of the system in accordance with the applicable standards.





Aluminium, space, style, curves, creativity take shape in the mind. Thoughts become style, warmth, harmony.

A interplay of shapes that envelops you in warmth inside the room.

For us, imagination is reality, personality is style.







ISEO	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	882	80	80	800	1"	1,87	0,61	164	82	1,35556	0,81617
700	782	80	80	700	1"	1,71	0,55	150	75	1,35131	0,76006
600	682	80	80	600	1"	1,47	0,49	131	66	1,34724	0,67518
500	582	80	80	500	1"	1,31	0,44	115	58	1,33344	0,62383
350	432	80	80	350	1"	1,04	0,36	87	44	1,31488	0,50153

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



ECO-FRIENDLY

100% recyclable: aluminium is a raw material that allows significant energy savings and full respect of the environment.





Elements of value.

Lovere is the new engaging solution for contemporary living designed to consume less and heat efficiently.

Minimal creative inspiration gives body to the heat.



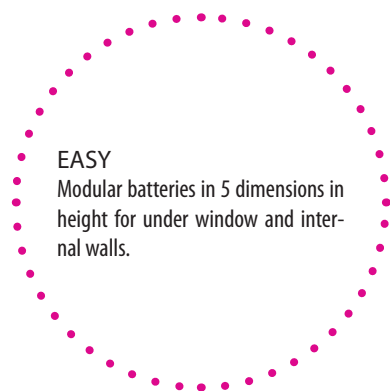




LOVERE

LOVERE	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800	875	80	95	800	1"	1,80	0,61	160	81	1,32708	0,88901
700	775	80	95	700	1"	1,60	0,55	143	73	1,31451	0,83571
600	675	80	95	600	1"	1,40	0,51	127	65	1,30194	0,77624
500	575	80	95	500	1"	1,20	0,46	110	57	1,28800	0,71350
350	425	80	95	350	1"	0,93	0,37	82	43	1,26969	0,57402

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn





EKOS

Beyond the windows, an ungovernable system chooses the colours: fog grey, white snow, light blue painted by the north wind.
I am standing in front of the window, from the niche below the warmth envelops me in a silent positive energy.
I am inside my own world and I can decide its warmth.



EKOS

EKOS	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
800/95	868	50	95	800	1"	1,77	0,68	87	45	1,29916	0,53732
700/95	768	50	95	700	1"	1,49	0,63	78	40	1,29022	0,49989
600/95	668	50	95	600	1"	1,36	0,58	69	36	1,28127	0,46027
500/95	568	50	95	500	1"	1,11	0,50	61	32	1,26879	0,42369
800/130	883	50	130	800	1"	1,92	0,66	108	56	1,29675	0,67867
600/130	683	50	130	600	1"	1,56	0,54	87	45	1,27355	0,59635

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



HEALTHY HEATING

The radiator systems are silent, limiting air convective motions and the consequent circulation of dust and bacteria.





EKOS PLUS

The succession of full and empty spaces is like a regular and relaxing rhythm, the idea of a child's nursery rhyme, this undefinable nostalgic memory: water and flower petals in pots forgotten on the radiators.

Warmth and fragrance, that's how it starts!





EKOS PLUS

EKOS PLUS	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
2000	2070	50	95	2000	1"	3,34	0,65	196	99	1,33285	1,06514
1800	1870	50	95	1800	1"	3,05	0,59	178	90	1,33883	0,94330
1600	1670	50	95	1600	1"	2,76	0,53	160	80	1,34480	0,82963
1400	1470	50	95	1400	1"	2,46	0,49	143	72	1,32938	0,78649
1200	1270	50	95	1200	1"	2,16	0,44	126	64	1,31396	0,73725
1000	1070	50	95	1000	1"	1,88	0,36	109	57	1,28835	0,70844
900	970	50	95	900	1"	1,73	0,31	101	53	1,27555	0,68929

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



ENERGY SAVINGS

The high thermal conductivity of aluminium swiftly provides uniform heat to the environment, resulting in considerable energy savings.





Oscar

Minimalist design and sleek lines. The vertical dimension of the sections is completed by a change in thickness, which, at the top and bottom, elegantly furnishes both traditional and state-of-the-art environments.



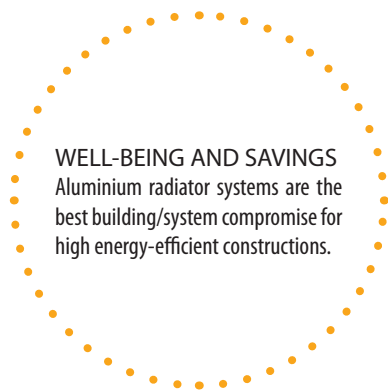


Oscar

OSCAR	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
2000	2046	80	95	2000	1"	3,86	0,76	321	161	1,35280	1,61490
1800	1846	80	95	1800	1"	3,53	0,69	297	148	1,35295	1,48966
1600	1646	80	95	1600	1"	3,18	0,62	271	136	1,35310	1,36136
1400	1446	80	95	1400	1"	2,80	0,56	245	123	1,35325	1,23096
1200	1246	80	95	1200	1"	2,43	0,49	218	109	1,35340	1,09584
1000	1046	80	95	1000	1"	2,05	0,42	190	95	1,35355	0,95514
900	946	80	95	900	1"	1,99	0,41	175	88	1,34630	0,90160

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn





WELL-BEING AND SAVINGS

Aluminium radiator systems are the best building/system compromise for high energy-efficient constructions.





OscarTondo

Dressing the space like wearing a dress, being able to choose radiators based on a sensory perception that reveals emotions: the classic design reinterpreted with anything but commonplace style and finishes that satisfy everyone's individual desires.





OscarTondo

OSCAR TONDO	dimensions mm				Ø connections	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres				ΔT 50°C	ΔT 30°C		
								Watt	Watt		
2000	2046	80	95	2000	1"	3,86	0,76	321	161	1,35280	1,61490
1800	1846	80	95	1800	1"	3,53	0,69	297	148	1,35295	1,48966
1600	1646	80	95	1600	1"	3,18	0,62	271	136	1,35310	1,36136
1400	1446	80	95	1400	1"	2,80	0,56	245	123	1,35325	1,23096
1200	1246	80	95	1200	1"	2,43	0,49	218	109	1,35340	1,09584
1000	1046	80	95	1000	1"	2,05	0,42	190	95	1,35355	0,95514
900	946	80	95	900	1"	1,99	0,41	175	88	1,34630	0,90160

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



COLOUR

The new look of radiators rewards spontaneity: new colours, new finishing textures to harmonise with the various space and context solutions.





Junior

The sections are stacked horizontally and alternated with gaps, allowing this radiator to be used for storing bath towels and dish towels.

Rational and functional: warm for the environment, dry for fabrics, irreplaceable in the bathroom and kitchen.







STRENGHT

Aluminium is synonymous of strength and extremely long lasting, and the double coating guarantees durability over time.





vetta

The perfection of the circle is a timeless form:
it rolls, it repeats, it is composed.

The circular movement designs tubes like
lines on a pentagram. The colour notes of the
towels, the pauses in the gaps.

Does functionality become beauty, or... does
beauty become functionality?



vetta

VETTA	dimensions mm				Ø connec- tions	n pipes	n spaces	empty weight Kg ca.	contents water litres	heat output EN 442		exponent n	coefficient Km
	overall height	width	depth	pipe centres						ΔT 50°C	ΔT 30°C		
										Watt	Watt		
800/400	800	425	27	400	1/2"	15	2	3,17	2,10	333	174	1,26485	2,36009
800/450	800	475	27	450	1/2"	15	2	3,30	2,50	338	180	1,22716	2,77582
800/500	800	525	27	500	1/2"	15	2	3,43	2,74	367	197	1,22424	3,05641
800/550	800	575	27	550	1/2"	15	2	3,57	2,97	397	213	1,22132	3,34325
800/600	800	625	27	600	1/2"	15	2	3,70	3,21	427	229	1,21840	3,63628
1200/400	1200	425	27	400	1/2"	23	2	5,00	3,34	482	256	1,24326	3,72440
1200/450	1200	475	27	450	1/2"	23	2	5,20	3,70	513	275	1,22441	4,26571
1200/500	1200	525	27	500	1/2"	23	2	5,40	4,06	558	299	1,22501	4,63012
1200/550	1200	575	27	550	1/2"	23	2	5,61	4,42	603	323	1,22560	4,99305
1200/600	1200	625	27	600	1/2"	23	2	5,81	4,48	649	347	1,22620	5,35427
1500/400	1500	425	27	400	1/2"	29	3	5,94	4,24	604	321	1,23650	4,78957
1500/450	1500	475	27	450	1/2"	29	3	6,20	4,70	647	343	1,24227	5,01647
1500/500	1500	525	27	500	1/2"	29	3	6,46	5,16	703	372	1,24562	5,37939
1500/550	1500	575	27	550	1/2"	29	3	6,72	5,61	759	401	1,24897	5,73207
1500/600	1500	625	27	600	1/2"	29	3	6,97	6,07	815	430	1,25232	6,07466
1800/400	1800	425	27	400	1/2"	35	3	7,59	5,25	736	393	1,22974	5,99489
1800/450	1800	475	27	450	1/2"	35	3	7,90	5,80	783	411	1,26013	5,65986
1800/500	1800	525	27	500	1/2"	35	3	8,21	6,35	849	445	1,26624	5,99315
1800/550	1800	575	27	550	1/2"	35	3	8,52	6,90	915	478	1,27234	6,30783
1800/600	1800	625	27	600	1/2"	35	3	8,83	7,45	981	511	1,27844	6,60433

* 1 Watt = 0,863 Kcal/h - Heat output = Km · ΔTn



RUST FREE

Made entirely of aluminium, the Vetta model avoids the chemical reaction that causes the oxidation of ferrous metals.



UNIVERSAL ACCESSORIES

 **A001** galvanized straight bracket

 **A003** galvanized
A003 white plastic



BRACKETS
A025 170 mm white expansion plug white brackets (pair)
A025 170 mm white expansion plug special colours brackets (pair)
A026 195 mm white expansion plug for double panel radiators and Ekos 130 white brackets (pair)
A026 195 mm white expansion plug for double panel radiators and Ekos 130 special colours brackets (pair)



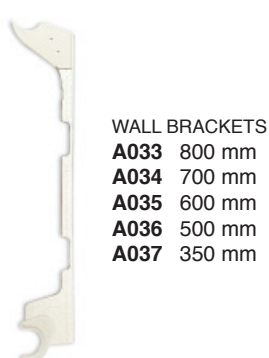
A015 white floor fixing system



UNIVERSAL BRACKETS
A027 white - blister pack (pair)
A014 long for Ekos 130 white - blister pack (pair)



A029 square brackets white blister pack (pair)



WALL BRACKETS
A033 800 mm
A034 700 mm
A035 600 mm
A036 500 mm
A037 350 mm



WALL BRACKETS FOR JUNIOR
A030 white (pair)
A030 chrome (pair)



WALL BRACKETS FOR VETTA
A031 white (pair)
A032 chrome (pair)



A011 1/2" white blind plug
A011 1/2" chrome blind plug
A011 1/2" special colours blind plug



1" BLIND PLUG OR REDUCER
A005 white
A006 galvanized
A020 white with silicone gasket
A089 white with silicone gasket for 900 to 2000 mm radiators



A041 1/2" adjustable manual air vent valve - white



A042 1/2" automatic air vent valve - chrome



MANUAL AIR VENT VALVE
A012 1/8" **A039** 1/4"
A040 3/8" **A050** 1/2"



A013 1" float type air vent valve - right or left



A038 1/2" adjustable manual air vent valve - chrome



A009 nipples 1"
A023 1" nipples 30 mm for Oscar, Oscar Tondo, Ekos Plus



REDUCER KIT WITH SILICONE GASKETS AND VALVE WITH HANDWHEEL

A190 3/8" for 200/D radiators - 800 mm - white
A191 3/8" for 900 to 2000 mm radiators/Junior - white
A192 1/2" for 200/D radiators - 800 mm - white
A193 1/2" for 900 to 2000 mm radiators/Junior - white



REDUCER KIT WITH SILICONE GASKETS AND ADJUSTABLE VALVE

A043 3/8" for 200/D radiators - 800 mm - white or chrome
A044 3/8" for 900 to 2000 mm radiators/Junior - white or chrome
A046 1/2" for 200/D radiators - 800 mm - white, chrome, special colours
A047 1/2" for 900 to 2000 mm radiators/Junior - white or chrome
A048 3/4" for 200/D radiators - 800 mm - white or chrome
A049 3/4" for 900 to 2000 mm radiators/Junior - white or chrome



A007 1" plug gasket 1,50 mm
A008 1" nipple gasket 1,00 mm
A021 silicone gasket for plugs and reducer
A088 silicone gasket for plugs and reducer for 900 to 2000 mm radiators



A024 O-ring for Oscar, Oscar Tondo, Ekos Plus, Junior



A022 diverter for Oscar, Oscar Tondo, Ekos Plus



A010 RAL 9010 white spray can



A018 Cillit HS 23 Combi liquid



A079 hex key with lever

A080 hex key 500 mm

A081 hex key 800 mm



A019 plug wrench



A017 RAL 9010 white marker

SPECIFIC ACCESSORIES



SIDE PANEL RAL 9010 WHITE

A061 for Oscar 1000

A062 for Oscar 1200

A063 for Oscar 1400

A064 for Oscar 1600

A065 for Oscar 1800

A066 for Oscar 2000

A071 for Vip 350

A072 for Vip 500

A073 for Vip 600

A074 for Vip 700

A075 for Vip 800



TOWEL RAILS FOR RADIATORS
800 - 350; OSCAR; OSCAR TONDO

A201 48 cm white

A202 48 cm chrome

A207 32 cm white

A208 32 cm chrome

TOWEL RAILS FOR RADIATORS
EKOS; EKOS PLUS

A225 45 cm white

A226 45 cm chrome

A231 30 cm white

A232 30 cm chrome



A242 white handy grip for Vetta towel warmers



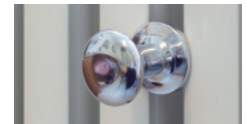
A243 chrome handy grip for Vetta towel warmers



HANDY GRIP FOR RADIATORS
800-350; OSCAR; OSCAR TONDO

A237 white

A238 chrome



HANDY GRIP FOR RADIATORS
EKOS; EKOS PLUS

A249 white

A250 chrome

TOWEL WARMERS ACCESSORIES INCLUDED

JUNIOR

n. 2 art. A030 white or chrome (for coloured radiators) wall brackets

n. 1 reducer kit art. A047 1/2" white or special colours

VETTA

n. 2/3 art. A031 white wall brackets or art. A032 chrome wall brackets

n. 1 art A041 1/2" white manual air vent valve or art. A038 chrome (for coloured radiators)

n. 1 art. A011 1/2" white or chrome plug (for coloured radiators)

SPECIFIC ACCESSORIES FOR RADIATORS WITH UNDERFLOOR PIPES



A331 1" right plug with rubber blind diverter



A332 1" left plug with rubber blind diverter



A337 1/2" right reducer with rubber perforated diverter



A338 1/2" left reducer with rubber perforated diverter



A343 headwork for thermostatic valve



A346 white manual knob



A349 thermostatic valve



A350 3/4-1/2" cone seat reducer

A351 3/4-1/2" flat seat reducer

VALVES FOR RADIATORS



Art. A400 VALVE AND STRAIGHT LOCKSHIELD WITH RING NUTS

- no. 1 1/2" straight thermostatic valve with pre-setting 1-7; fitting for copper/multilayer pipe
- no. 1 1/2" straight lockshield with fitting for copper/multilayer pipe
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A401 VALVE AND ANGLE LOCKSHIELD WITH RING NUTS

- no. 1 1/2" angle thermostatic valve with pre-setting 1-7; fitting for copper/multilayer pipe
- no. 1 1/2" angle lockshield with fitting for copper/multilayer pipe
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A402 CORNER VALVES - RIGHT-HAND AND LOCKSHIELD - LEFT-HAND WITH RING NUTS

- no. 1 1/2" coaxial thermostatic valve - right-hand with pre-setting 1-7; fitting for copper/multilayer pipe
- no. 1 1/2" coaxial lockshield - left-hand with fitting for copper/multilayer pipe
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A403 CORNER VALVES - LEFT-HAND AND LOCKSHIELD - RIGHT-HAND WITH RING NUTS

- no. 1 1/2" coaxial thermostatic valve - left-hand with pre-setting 1-7; fitting for copper/multilayer pipe
- no. 1 1/2" coaxial lockshield - right-hand with fitting for copper/multilayer pipe
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A404 VALVE - FITTING 50 SINGLE/DOUBLE PIPE WITH RING NUTS

- no. 1 1/2" thermostatic valve can be fitted on either right or left-hand with pre-setting 1-7; by-pass; fitting for copper/multilayer pipe; pipe centres 50 mm wall side and 50 mm radiator side
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A405 VALVE FITTING 50/80 SINGLE/DUAL PIPE WITH RING NUTS

- no. 1 1/2" thermostatic valve can be fitted on either right or left-hand with pre-setting 1-7; by-pass; fitting for copper/multilayer pipe; pipe centres 50 mm, wall side and 80 mm, radiator side
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet
- 100% brass valves; chrome-plated/painted



Art. A407 VALVE AND STRAIGHT LOCKSHIELD WITH RING NUTS

- no. 1 1/2" straight thermostatic valve with pre-setting 1-7; fitting for copper/multilayer pipe
- no. 1 1/2" straight lockshield with fitting for copper/multilayer pipe
- no. 2 Eurocone ring nuts, chrome-plated/painted as the valve body
- no. 2 aesthetic covers
- no. 1 high tech cloth for Eurocone ring nut tightening
- no. 1 instructions for installation leaflet



Art. A406 THERMOSTATIC VALVE M30x1.5

- no. 1 thermostatic valve with liquid sensor; value range: 7-28°C; thread 30x1,5mm



COMPRESSION FITTING FOR COPPER PIPE

Art. A408 copper pipe Ø 12 mm

Art. A409 copper pipe Ø 14 mm

Art. A410 copper pipe Ø 16 mm



COMPRESSION FITTING FOR COPPER PIPE

Art. A430 Eurocone adapter for copper pipe Ø 18 mm



COMPRESSION FITTING FOR MULTILAYER PIPE

Art. A420 multilayer pipe 14x2 mm

Art. A421 multilayer pipe 16x2 mm



COMPRESSION FITTING FOR MULTILAYER PIPE

Art. A431 multilayer pipe 18x2 mm

Art. A432 multilayer pipe 20x2 mm



Art. A446

OPENABLE PLASTIC PIPE COVER Ø 16 mm

160 mm width

(suggested combination art. A445)



PIPE COVER Ø 45 mm

Art. A441 pipe Ø 12,0 mm

Art. A442 pipe Ø 14,0 mm

Art. A443 pipe Ø 16,0 mm

Art. A444 pipe Ø 18,0 mm

Art. A445 pipe Ø 20,5 mm

HOW TO USE CODES FOR ORDERING

A400 article code	10 colour code	A408 fitting code	A446 pipe cover	A445 pipe cover	A406 thermostatic valve
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REQUIRED PARTS

RECOMMENDED PARTS

Example **A400-10-A408-A446-A445-A406**: **A400** straight lockshield valve with ring nuts; **10** white colour; **A408** fitting for copper pipe Ø 12 mm; **A446** pipe cover; **A445** pipe cover; **A406** thermostatic valve

When ordering valves, please specify the Code according to the Colour Card (ref. table below)

COLOUR



cod. 99
chrome
glossy



cod. 10
white
glossy
RAL 9010



cod. 11
white
sand
RAL 9016



cod. 12
white
matt



cod. 01
ivory
glossy
RAL 1013



cod. 05
metallic
matt
beige



cod. 06
metallic
matt
quartz



cod. 07
metallic
matt
dark grey



cod. 08
metallic
matt
silver grey



cod. 09
metallic
matt
rust



cod. 14
black
matt

The colours are indicative. For technical printing reasons, it is no possible to faithfully reproduce the paints used. The colour of the products supplied may differ from that shown in this catalogue.

WARRANTY

Global warrants that the Products will be free from defects in materials or workmanship. The warranty is valid on the condition that the installation and the system to which the Product is connected are performed by (1) qualified/eligible personnel, (2) to top workmanship standards, (3) in compliance with the regulations and requirements of the sector in force, (4) in full compliance with the Instructions for Installation provided and included in the Product's packaging. Failure to comply with all standards (1) (2) (3) (4) during installation of the Products will void the warranty.

Global warrants the Products for a period of 12 (twelve) months from the date of delivery. Any defects found must be reported in writing within 8 (eight) days from their detection, in any case within the warranty duration period, indicating the faulty part or component of the Product, providing photographic documentation and a description of the failure.

Global's obligation under this warranty shall be limited to the replacement of the Products and/or individual components that are found to be faulty, including the related freight costs free of charge to the retailer. Any further costs and compensation for damages shall be excluded. The warranty shall be governed by the additional terms and conditions set out in the VALVE WARRANTY section on the **globalradiatori.it** website.

HOW TO USE CODES FOR ORDERING

RADIATORS

OST radiator model	0900 overall height	10 colour code	.. number of sections
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* example **OST090010..** - **OST** Oscar Tondo; **0900** overall height; **10** white colour; **..** number of sections

** When ordering radiators in special colours, please specify the Code according to the Colour Card (table below)

TOWEL WARMERS

VE radiator model	0800 overall height	450 pipe centres	10 colour code
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* example **VE080045010** - **VE** Vetta; **0800** overall height; **450** pipe centres; **10** white colour

** When ordering radiators in special colours, please specify the Code according to the Colour Card (table below)

COLOUR CARD

standard colour

cod. 10
white glossy
RAL 9010



special colours see the Colour Card



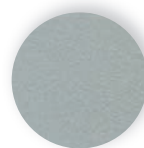
cod. 11
white sand
RAL 9016



cod. 07
metallic
matt
dark grey



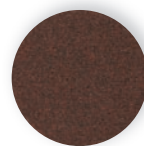
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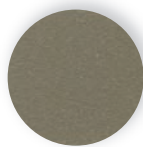
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matt
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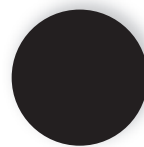
cod. 01
ivory
glossy
RAL 1013



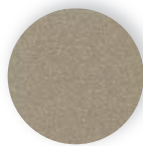
cod. 09
metallic
matt
rust



cod. 05
metallic
matt
beige



cod. 14
black
matt



cod. 06
metallic
matt
quartz

The colours are indicative. For technical printing reasons, it is not possible to faithfully reproduce the paints used. The colour of the products supplied may differ from that shown in this catalogue.

CORRECT INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS

- Global radiators can be used in all hot water or vapour heating installations up to 110°C with a working pressure up to 1600 K Pascal -16 bar.
- They can be installed in systems using iron, copper or thermoplastic pipes.
- In order to preserve the systems from scaling and corrosion, it is recommended to check the pH of the water (preferably between 6.5 and 8) and to introduce a inhibitive additive such as Cillit-Hs 23 Al or similar in the quantity recommended by the manufacturer.
- Automatic or manual air vent valves must be installed on radiators.
- **Avoid complete closure of the radiator shut-off valves in order to allow any gas that there might be inside the same to escape through the automatic air vent valve, which is mandatory in any heating system, thus avoiding possible overpressure that could damage the radiators.**
- **If one or more batteries are to be excluded from the circuit, an automatic air vent must be fitted to each battery.**
- To ensure lasting protection of painting, radiators must not be stored in very wet or damp environments before and after installation such as inside showers, saunas, turkish baths, near swimming pools etc. Paint peeling off on parts of the radiator could cause the formation of aluminium oxide and have the paint completely peeled off.
Do not use porous clay humidifiers.
- For the external cleaning of the radiator, it is necessary to avoid the use of abrasive or chemically corrosive/aggressive products of any nature, as the use of water and neutral detergent is sufficient while performing the operation when the radiators are cold to maintain the original brilliance of the paint over time.
- Do not place weights and/or objects on the radiators. Do not use radiators for any purpose other than heating elements (e.g.: as a support system, as steps, as support for furniture or objects).

ADDITIONAL NOTE FOR EKOS PLUS, OSCAR, OSCAR TONDO

- Important: If the Ekos Plus, Oscar and Oscar Tondo radiators are connected hydraulically with the connections at the bottom on opposite sides, it is useful to insert a diverter (art. A022) between the first and the second section. This prevents abnormal circulation of the thermal fluid, thus guaranteeing maximum performance of the heater.
- Plugs and/or reducers (art. A005 and A006) must be fitted with original O-Ring s (art. A024). Alternatively, the kits (art. A044, A047, A049) supplied complete with gaskets can be used.
- When assembling more than one battery, the 1" nipples - 30 mm (art. A023) and the O-Rings (art. A024) must be used.

RADIATOR ASSEMBLY

GL - Vip - Vox - VoxExtra - Mix - Klass -I seo - Lovere:

carboard boxes from 2 to 12 sections for models 800-700

carboard boxes from 2 to 14 sections for models 600-500-350-300-200-GL350/D-GL200/D

Ekos:

carboard boxes from 3 to 14 sections for models 800/95-700/95

carboard boxes from 3 to 16 sections for models 600/95-500/95

carboard boxes from 3 to 14 sections for model EKOS 800/130

carboard boxes from 3 to 16 sections for model EKOS 600/130

Ekos Plus:

carboard boxes from 3 to 10 sections for all models

Oscar - Oscar Tondo:

carboard boxes from 2 to 8 sections for all models

WARRANTY

GLOBAL provides a ten-year warranty for its radiators from the date of production

The conventional warranty grants the sole right to free replacement of the radiator which, due to defects originating from defects in material or workmanship, is not fit for purpose or its ordinary intended use. Replacement radiators shall be delivered free of charge to the retailer which sold the original version to the end user or to the its installers.

The warranty is valid on the condition that the installation and the system to which the product is connected are performed by qualified/eligible personnel to top workmanship standards and in compliance with the regulations and requirements of the sector in force; it is also valid on the condition that there has been full compliance with warnings and instructions for proper installation, use and maintenance of the product indicated in the technical documentation under the paragraph entitled instructions for correct installation, use and maintenance, available and downloadable from the TECHNICAL INFO section on the globalradiatori.it website.

In order to exercise the rights arising from this conventional warranty, the presence of faults originating from defects in materials or workmanship must be reported immediately in writing within the warranty duration period by the end user to the subject (retailer or installer) from whom the product was purchased; it will in turn be forwarded to Global through the same distribution chain involved in the sale of the product which is claimed to be faulty. The claims must include photographic documentation indicating the defect, along with any information useful to explain the circumstances under which the defect was detected. Global shall take all necessary action in order to verify the existence and the nature of the claimed defects and the operational terms and conditions of this warranty. To this purpose, Global shall be guaranteed the opportunity to conduct, also appointing a representative, due inspections on the product and the environment so as to investigate the possible causes of the defect, also requesting the delivery of the product itself to the Global headquarters in Rogno (BG) if necessary. If Global establishes the existence of the defect, the end user shall be entitled to receive a new product under warranty in replacement of the faulty product. The new product shall be delivered to the end user or installer, whereby any additional transport costs to the final destination and the costs for the installation of the new product shall be borne by the client. If the product to be replaced has been "discontinued", Global shall deliver a substitute or similar product having the same functionalities as the one being replaced. Global shall also be entitled to request the return of the replaced product which will become its own property.

This conventional warranty does not confer any right or claim against Global, of any type and at any level of the distribution chain, to installers, retailers or importers.

The replacement under warranty of the faulty element shall not extend the original expiry date of the warranty, which remains unchanged, nor does it grant the right to a new warranty: the warranty for the replacement element shall remain valid for the residual term of the faulty element.

This warranty only covers the replacement of the faulty product as identified above, with explicit exclusion of any further and different obligation due to Global (such as, for instance, dismantling and installation costs, damage to the plant system to which the radiator is connected). According to this conventional warranty, under no circumstances shall Global be required to incur or refund, on either a contractual or extra-contractual liability basis, any costs or expenses, indemnity or compensation for damages of any nature whatsoever, direct, indirect, incidental or consequential damages, such as, for instance, economic loss, loss of revenue or profits, business activities or goodwill of the subject covered by the warranty or to other third parties.

Global waives all and any liability for any damage caused, directly or indirectly, to persons, animals or things, due to the non-observance of any of the standards, regulations or provisions in force in the territory of installation, and all the instructions provided in the instruction manual and, in particular, all the warnings and recommendations concerning installation, use and maintenance and/or consequent use of the product which does not comply with the diligence required by the nature of the same.

This warranty is exclusively regulated by the Italian law. Any dispute arising from or related to this conventional warranty, as well as to the existence of the conditions to which the validity and effectiveness of the warranty and its effects shall comply, shall be regulated by the Italian law with exclusive jurisdiction granted to the Court of Bergamo.

This conventional warranty refers solely to the defects and remedies identified above and, under no circumstances, can the end user submit any claims which do not fall within the scope indicated herein. This conventional warranty is not a substitute for the statutory warranty foreseen by the laws in force, but complements the same and, in any case, does not affect the statutory rights due to the consumer under the Consumer Code or those granted by applicable national and EC standards regulating the sale of consumer goods.

SYSTEM CERTIFICATION

Environment



Quality



All models manufactured by Global are approved in accordance with the regulations of the Countries in which they are used.

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GLOBAL di Fardelli Ottorino & C. s.r.l.

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