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dream!



sebino

® GLOBAL 
RADIATORI



radiator model	no. of sections	Dimensions mm				connections Ø	empty weight Kg ca.	contents water litres	Thermal powers EN 442 Watt		Exponent n	Coefficient Km
		A	B	C	D				ΔT 50°C	ΔT 30°C		
		overall height	length	depth	pipe centres							
SEBINO 350	6	384	500	60	350	1/2"	4,97	0,6	392	201	1,31213	2,316
	8	384	660	60	350	1/2"	6,60	0,8	523	268	1,31213	3,088
	10	384	820	60	350	1/2"	8,26	1,0	654	335	1,31213	3,860
	12	384	980	60	350	1/2"	9,93	1,2	785	402	1,31213	4,632
	14	384	1140	60	350	1/2"	11,63	1,4	916	469	1,31213	5,404
SEBINO 500	6	534	500	60	500	1/2"	6,46	1,2	518	265	1,31417	3,030
	8	534	660	60	500	1/2"	8,58	1,6	690	353	1,31417	4,040
	10	534	820	60	500	1/2"	10,70	2,0	863	441	1,31417	5,050
	12	534	980	60	500	1/2"	12,92	2,4	1036	529	1,31417	6,060
	14	534	1140	60	500	1/2"	15,14	2,7	1208	617	1,31417	7,070
SEBINO 600	6	634	500	60	600	1/2"	7,46	1,2	597	305	1,31553	3,474
	8	634	660	60	600	1/2"	9,91	1,7	796	406	1,31553	4,632
	10	634	820	60	600	1/2"	12,39	2,1	995	508	1,31553	5,790
	12	634	980	60	600	1/2"	14,92	2,5	1194	610	1,31553	6,948
	14	634	1140	60	600	1/2"	17,48	2,9	1393	711	1,31553	8,106
SEBINO 700	6	734	500	60	700	1/2"	8,45	1,3	674	344	1,31688	3,900
	8	734	660	60	700	1/2"	11,23	1,7	898	458	1,31688	5,200
	10	734	820	60	700	1/2"	14,05	2,2	1123	573	1,31688	6,500
	12	734	980	60	700	1/2"	16,91	2,6	1348	688	1,31688	7,800
	14	734	1140	60	700	1/2"	19,82	3,1	1572	802	1,31688	9,100
SEBINO 800	6	834	500	60	800	1/2"	9,45	1,4	748	382	1,31824	4,310
	8	834	660	60	800	1/2"	12,55	1,8	998	509	1,31824	5,744
	10	834	820	60	800	1/2"	15,70	2,3	1247	636	1,31824	7,180
	12	834	980	60	800	1/2"	18,91	2,7	1496	763	1,31824	8,616
	14	834	1140	60	800	1/2"	22,16	3,2	1746	890	1,31824	10,052
SEBINO 900	6	934	500	60	900	1/2"	10,44	1,4	821	418	1,31960	4,700
	8	934	660	60	900	1/2"	13,87	1,9	1094	558	1,31960	6,267
	10	934	820	60	900	1/2"	17,36	2,4	1368	697	1,31960	7,834
	12	934	980	60	900	1/2"	20,90	2,9	1642	836	1,31960	9,401
	14	934	1140	60	900	1/2"	24,50	3,4	1915	976	1,31960	10,968
SEBINO 1000	6	1034	500	60	1000	1/2"	11,44	1,9	890	454	1,32204	5,054
	8	1034	660	60	1000	1/2"	15,20	2,6	1187	605	1,32204	6,738
	10	1034	820	60	1000	1/2"	19,01	3,2	1484	756	1,32204	8,423
	12	1034	980	60	1000	1/2"	22,89	3,8	1781	907	1,32204	10,108
	14	1034	1140	60	1000	1/2"	26,84	4,5	2078	1058	1,32204	11,792
SEBINO 1200	4	1234	340	60	1200	1/2"	9,09	1,4	684	347	1,32691	3,806
	6	1234	500	60	1200	1/2"	13,43	2,1	1025	521	1,32691	5,710
	8	1234	660	60	1200	1/2"	17,84	2,7	1367	694	1,32691	7,613
	10	1234	820	60	1200	1/2"	22,33	3,4	1709	868	1,32691	9,516
SEBINO 1400	4	1434	340	60	1400	1/2"	10,44	1,5	769	390	1,33179	4,202
	6	1434	500	60	1400	1/2"	15,42	2,2	1154	584	1,33179	6,303
	8	1434	660	60	1400	1/2"	20,49	2,9	1538	779	1,33179	8,404
	10	1434	820	60	1400	1/2"	25,64	3,6	1923	974	1,33179	10,505
SEBINO 1600	4	1634	340	60	1600	1/2"	11,79	1,5	851	429	1,34089	4,486
	6	1634	500	60	1600	1/2"	17,41	2,3	1277	644	1,34089	6,729
	8	1634	660	60	1600	1/2"	23,13	3,1	1702	858	1,34089	8,972
	10	1634	820	60	1600	1/2"	28,95	3,9	2128	1073	1,34089	11,215
SEBINO 1800	4	1834	340	60	1800	1/2"	13,14	1,6	929	466	1,34999	4,727
	6	1834	500	60	1800	1/2"	19,40	2,4	1394	700	1,34999	7,090
	8	1834	660	60	1800	1/2"	25,78	3,3	1858	933	1,34999	9,454
	10	1834	820	60	1800	1/2"	32,26	4,1	2323	1166	1,34999	11,817
SEBINO 2000	4	2034	340	60	2000	1/2"	14,49	1,7	1004	502	1,35909	4,929
	6	2034	500	60	2000	1/2"	21,39	2,6	1507	752	1,35909	7,394
	8	2034	660	60	2000	1/2"	28,42	3,4	2009	1003	1,35909	9,858
	10	2034	820	60	2000	1/2"	35,57	4,3	2511	1254	1,35909	12,323

1 Watt = 0,863 Kcal/h

The thermal performance of GLOBAL radiators are the results of tests according to the Standard EN 442.



Heat output according to EN 442

The output of the Global elements highlighted in the catalogue are certified in accordance with the Standard EN 442, drawn up to respond to the standardisation requirements of thermal 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 heating appliances;
- increased hygiene of heated environments as this solution limits the convective motion of the air to the least possible;
- lower thermal gradients in heated rooms with a consequent improvement of environmental comfort.

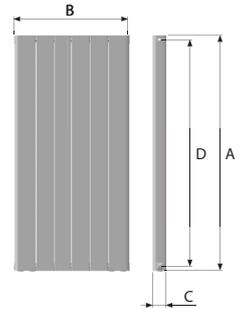
Heat output with Δt other than 50°C

The variation in the heat output of a radiator with Δt other than 50°C is determined as follows with reference to the standard equation:

$$P = K_m \cdot \Delta t^n \quad \text{where} \quad \begin{array}{l} P = \text{heat output} \\ K_m = K_m \text{ coefficient} \\ n = \text{distinctive coefficient of the heating element} \\ \Delta t = \text{the resultant of this equation} \end{array}$$

$$\Delta t = t_m - t_a \quad \text{where} \quad t_m = \frac{t_e + t_u}{2}$$

t_e = inlet water temperature
 t_u = outlet water temperature
 t_a = room temperature (standard 20°C)
 t_m = average water temperature



Calculation example for other Δt

To calculate the heat output (P) of a radiator for Δt values other than 50°C

it is necessary to use the standard equation: $P = K_m \cdot \Delta T^n$

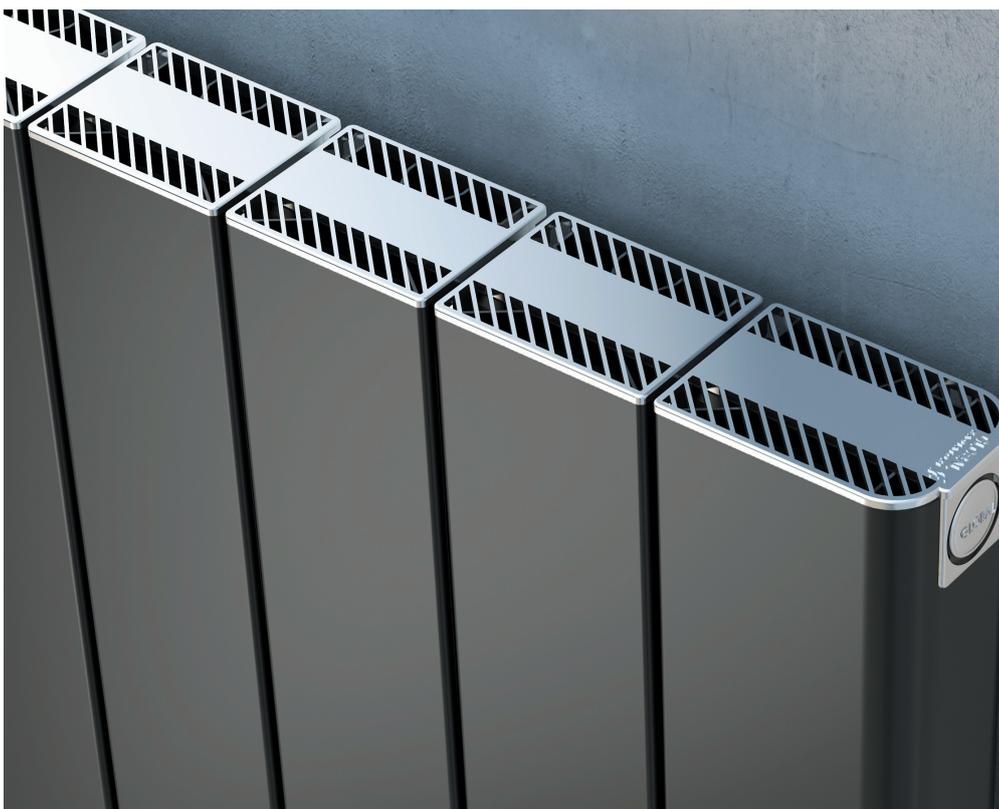
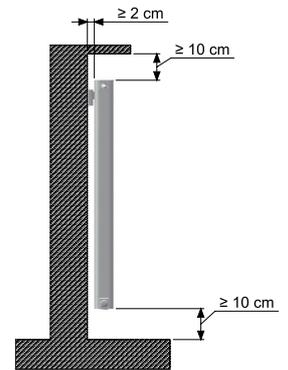
For instance, for model 1600/10 a $\Delta T = 40^\circ \text{C}$

$$P = 11,215 \cdot 40^{1,34089} = 1577 \text{ Watt}$$

The required heat output can be obtained by mounting the radiators observing the following distances:

- ≥ cm 2 from the wall
- ≥ cm 10 from the floor
- ≥ cm 10 from the shelf or window-sill

To avoid noise in correspondence of the heating elements caused by thermal expansion of the system, we recommend using specific plastic brackets art. A051 to support the radiators (art. A051 included in the supply).





GLOBAL provides a 10 year warranty from the production date*

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 who sold the radiator to the end customer or his installer.

The warranty is valid on the condition that the installation and the system to which the product is connected are performed by qualified/authorised 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 "correct installation, use and maintenance instructions", available and downloadable from the "TECHNICAL INFO" section on the globalradiatori.it website. The warranty is regulated by further conditions indicated in the technical catalogue and the CONVENTIONAL WARRANTY section on the globalradiatori.it website.

* The production date is indicated by the Matrix Data code engraved on the back of each battery. Scan with a smartphone to view the numerical sequence shown below:

0 1 0 0 1 0 4

2	7
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1	7
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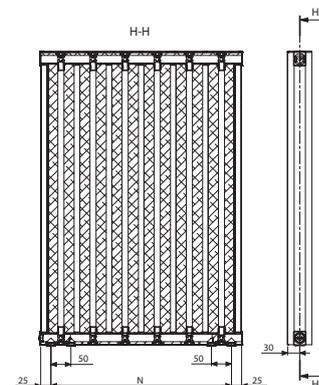
 5 6 4 1

0	9
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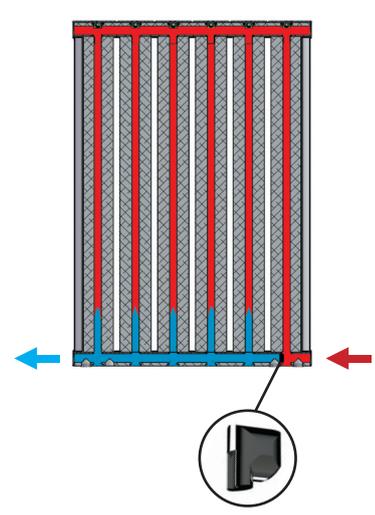
G A M

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 avoid problems due to incrustation and corrosion in the heating system, the system must be filled and maintained with water having hardness 8÷12 French degrees, the pH of the water should be checked (preferably between 6.5 and 8) and it is recommended to introduce a suitable inhibitive additive such as Cillit-HS 23 Al or another product equal or similar in a quantity equal 1 litre to every 200 litres of circulating water in the system.
- ✗ 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 over-pressure that could damage the radiators.
- ✗ 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 oxidise 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 a heating elements (e.g.: as a bench/support, as steps, as support for furniture or objects).



sections	N mm
4	290
6	450
8	610
10	770
12	930
14	1090



Important

If the Sebino radiators are hydraulically connected using the bottom fittings on opposite sides or pipes rising from the floor, it is necessary to insert the diverter (art. A052) between the first and the second element. (ref. next paragraph)

Diverter: assembly instructions

- A (fig. 1) Unscrew the cap 2 with a size 12 hexagonal wrench
- B (fig. 1) Using a flat screwdriver insert the diverter 3 (art. A052) into the threaded hole and screw it into the manifold as far as the locking tab
 - (fig. 2) Position of the diverter with the water inlet to the left of the radiator or with pipes rising from the floor
 - (fig. 3) Position of the diverter with the water inlet to the right of the radiator with pipes rising from the floor
- C Replace the cap 2 and screw it into place (20 Nm)
- D Connection of valves from below: remove caps 1 and 2 (fig. 1), insert the diverter as indicated in point B to ensure proper circulation of the fluid, replace the caps 1 and 2 with 3/4"-1/2" conical seat reduction (art. A350) or flat seat reduction (art. A351)
- E (fig. 4, 5) Connect the valves with 50 mm interaxis

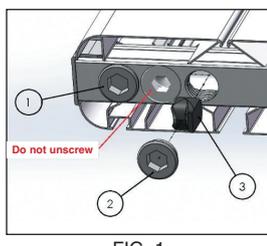


FIG. 1

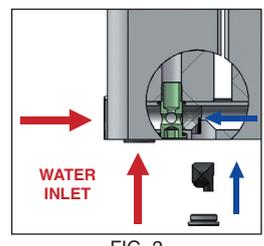


FIG. 2

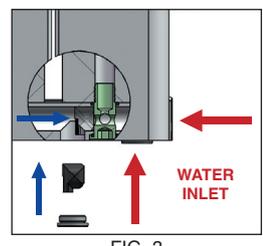


FIG. 3

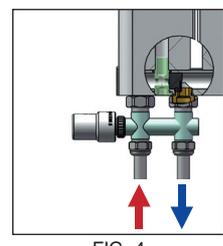


FIG. 4

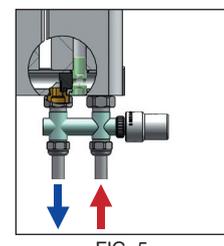
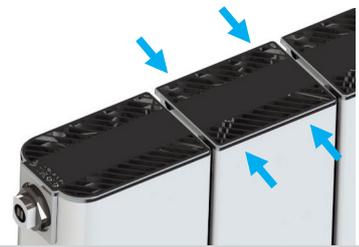


FIG. 5

Top grids disassembly instructions

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



accessories



A041 1/2" white manual air vent valve



A038 1/2" chrome manual air vent valve



A011 1/2" white plug



A011 1/2" chrome plug



A051 White bracket for Sebino
A051 Coloured bracket for Sebino



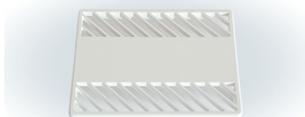
A052 Diverter for Sebino



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



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



A053 White centre grid



A053 Chrome centre grid



A054 White side grid



A054 Chrome side grid



A010 RAL 9010 white spray
A010 Special colours spray



A018 Cillit HS 23 Combi liquid



A055 White side hole plug



A055 Chrome side hole plug



A017 RAL 9010 white marker



A019 Wrench

standard colour | **special colours** see the Colour Card

cod. 10 white RAL 9010	cod. 11 sable white RAL 9016	cod. 01 glossy ivory RAL 1013	cod. 05 metallic matte beige 2589	cod. 06 metallic matte quartz 2921	cod. 07 metallic matte dark grey 2748	cod. 08 metallic matte silver grey 2676	cod. 09 metallic matte rust 3112
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GLOBAL di Fardelli Ottorino & C. s.r.l.

24060 ROGNO (BG) ITALIA • via Rondinera, 51
tel. ++39 **035977111** • fax ++39 **035977110**

www.globalradiatori.it • info@globalradiatori.it

