

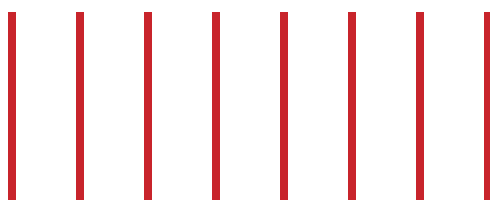
oscar & oscar tondo



aluminium  
radiators



<sup>®</sup> **GLOBAL**  
R A D I A T O R I 





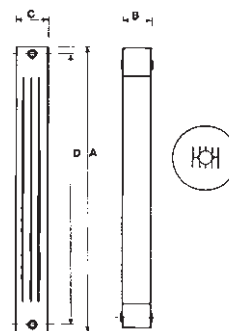
- **HIGH THERMAL OUTPUT** Guaranteed by certification, according to the norm EN 442, from the "Politecnico" in Milan. The high thermal output allows less bulky radiators to be installed.
- **ENERGY SAVING WITH MAXIMUM COMFORT** With the Global radiators the regulation of the temperature is easy and inexpensive. An ideal temperature for every environment according to personal needs is rapidly achieved.
- **VERY LONG DURATION** Thanks to the high quality of the material, that gives the maximum guarantee of resistance and duration. The double protection in the "anaphoresis-bath" followed with epoxy power enameling guarantees a perfect and durable finish.
- **EASIER INSTALLATION** Due to the lightness of the aluminum and the sectional elements that allow greater ease and flexibility of installation.
- **CERTIFIED QUALITY AND ENVIRONMENTAL** The ICIM certified on 1994 (norm ISO 9001:2000) the Quality System and on 2001 (norm UNI EN ISO 14001) the System of Environmental Management.

**STRONG   LIGHT   ELEGANT**

Model	Dimensions in mm				ø con- nection	empty weight Kg ca.	contents in water in litres	Heat output EN 442				Exponent n.	Coefficient Km
	A	B	C	D				ΔT 50°C		ΔT 60°C			
	total height	length	depth	pipe centres				Watt	*Kcal/h	Watt	*Kcal/h		
OSCAR 2000	2046	80	95	2000	1"	3,86	0,76	321	277	411	355	1,35280	1,61490
OSCAR 1800	1846	80	95	1800	1"	3,53	0,69	297	256	379	327	1,35295	1,48966
OSCAR 1600	1646	80	95	1600	1"	3,18	0,62	271	234	347	299	1,35310	1,36136
OSCAR 1400	1446	80	95	1400	1"	2,80	0,56	245	211	314	271	1,35325	1,23096
OSCAR 1200	1246	80	95	1200	1"	2,43	0,49	218	188	279	241	1,35340	1,09584
OSCAR 1000	1046	80	95	1000	1"	2,05	0,42	190	164	244	210	1,35355	0,95514
OSCAR 900	946	80	95	900	1"	1,99	0,41	175	151	223	193	1,34630	0,90160
OSCAR TONDO 2000	2046	80	95	2000	1"	3,86	0,76	321	277	411	355	1,35280	1,61490
OSCAR TONDO 1800	1846	80	95	1800	1"	3,53	0,69	297	256	379	327	1,35295	1,48966
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\* 1 Watt = 0,863 Kcal/h

The heat output is certified in according to the norm EN 442.



#### Example for a different ΔT from ΔT 50° C

If you need to know a radiator heat output (P) with different ΔT from Δt 50° C, use the following characteristic equation:  $P = Km \cdot \Delta T^n$

Example for the Oscar 1600 model with ΔT = 60° C:

$$P = 1,36136 \cdot 60^{1,35310} = 347 \text{ Watt}$$

#### Example of heat output readings with different ΔT from ΔT 50° C

Model	ΔT 20°C	ΔT 25°C	ΔT 30°C	ΔT 35°C	ΔT 40°C	ΔT 45°C	ΔT 50°C	ΔT 55°C	ΔT 60°C
Oscar 2000	93	126	161	198	237	278	<b>321</b>	365	411
Oscar 1800	86	116	148	183	219	257	<b>297</b>	337	379
Oscar 1600	78	106	136	167	200	235	<b>271</b>	308	347
Oscar 1400	71	96	123	151	181	213	<b>245</b>	279	314
Oscar 1200	63	85	109	135	161	189	<b>218</b>	248	279
Oscar 1000	55	75	95	118	141	165	<b>190</b>	217	244
Oscar 900	51	69	88	108	129	152	<b>175</b>	199	223
Oscar Tondo 2000	93	126	161	198	237	278	<b>321</b>	365	411
Oscar Tondo 1800	86	116	148	183	219	257	<b>297</b>	337	379
Oscar Tondo 1600	78	106	136	167	200	235	<b>271</b>	308	347
Oscar Tondo 1400	71	96	123	151	181	213	<b>245</b>	279	314
Oscar Tondo 1200	63	85	109	135	161	189	<b>218</b>	248	279
Oscar Tondo 1000	55	75	95	118	141	165	<b>190</b>	217	244
Oscar Tondo 900	51	69	88	108	129	152	<b>175</b>	199	223

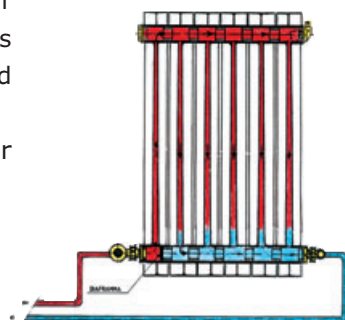
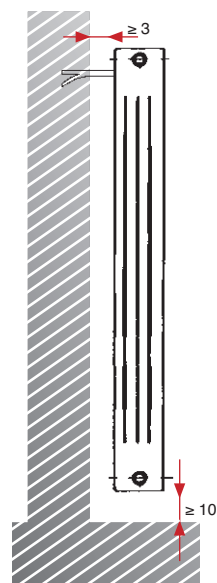
GLOBAL radiators have a ten year guarantee starting from the date of manufacture.

This guarantee covers the replacement of those elements that because of manufacturing or material defects are not usable, but only on condition that installation has been executed in compliance with suitable regulations and correct installation.



## correct installation

- The Oscar and Oscar Tondo radiators can be used in all hot water or vapour heating installations up to 110° C with a working pressure up to 600 K Pascal-6 bar.
- They can be installed in systems using iron, copper or thermoplastic pipes.
- The highest heat output can be obtained by mounting the radiators observing the following distances:
  - ≥ cm 3 from the wall
  - ≥ cm 10 from the floor
  - ≥ cm 10 from the shelf or windows-sillsTo avoid noise caused by thermal expansion the use of plastic sleeves on the brackets is recommended (artt. 4, 25, 27 or 29 in our catalogue).
- In order to protect the heating system against rust and corrosion, it is highly recommended to check the pH level of the water used (preferably between 6.5 and 8) and to introduce a suitable inhibitive additive, Cillit-HS 23 Al or similar, in a quantity equal to 1 litre to every 200 litres of water circulating in the system.
- We recommend the installation of automatic or manual air vent valves for radiators to ensure maximum efficiency.
- The interceptor valves should not be closed completely in order to prevent excessive pressure from building up in the system. It is recommended to install automatic air vent valves on each radiator if it is necessary to isolate one or more radiators from the circuit.
- To ensure lasting protection of the radiators, they should not be stored or installed in humid or damp environments. Paint bubbles on even small parts of the radiator could cause the aluminium to oxidise and the entire painted surface to flake away.
- It is advisable not to use abrasive products when cleansing the radiator surface.



## important

If the aluminium radiators Oscar and Oscar Tondo are installed with bottom opposite end connections, it is advisable to insert a diverter (art. 22) between the first and second element. The inclusion of the diverter enhances circulation thereby guaranteeing maximum performance of the radiator.

