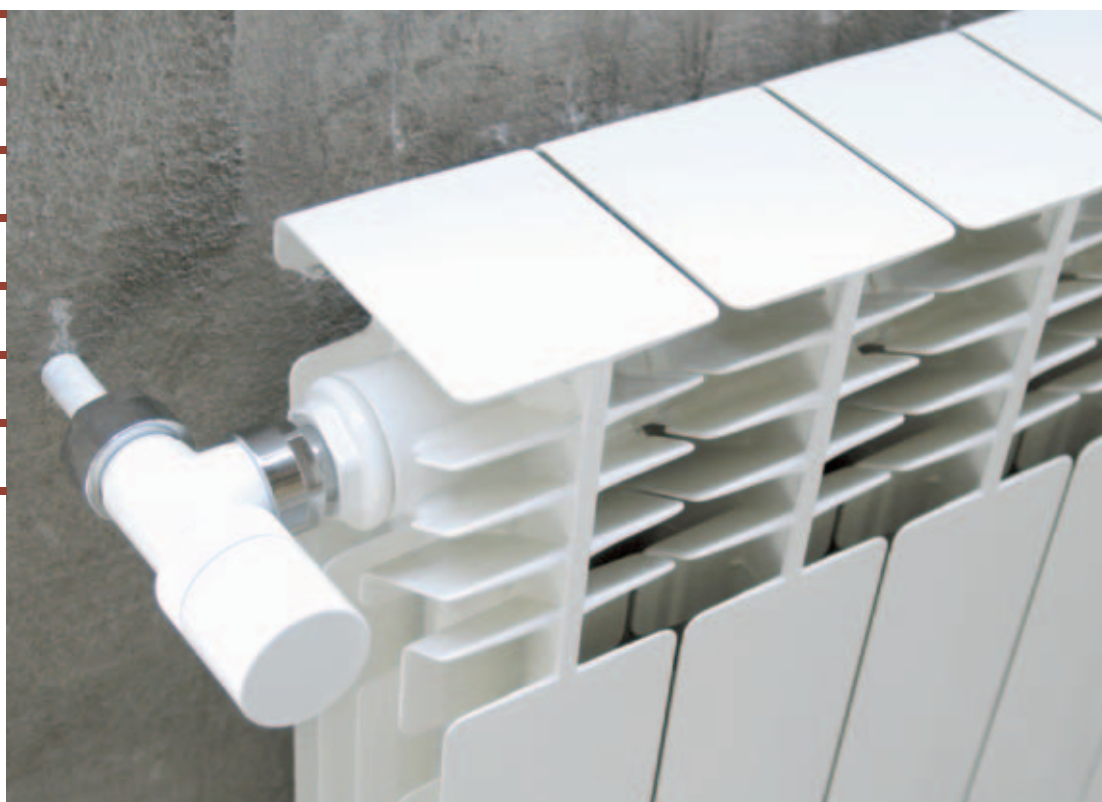




GL



aluminium
radiators

[®] **GLOBAL** 
R A D I A T O R I





GLOBAL has produced aluminium radiators since 1971 and has achieved excellent results in a sector which requires highly specialized personnel and technologically advanced production equipment. The GL design promotes natural air convection towards the centre of the room.

the power of head

performance

- X **HIGH THERMAL OUTPUT** In accordance with the tests carried out at "Politecnico" in Milan, we can guarantee the EN 442 standards certification. The high thermal output allows less bulky radiators to be installed.
- X **LOWER ENERGY CONSUMPTION** This is due to the high thermal conductivity of aluminium, which heats up rapidly and gives a uniform heat to the environment in a shorter time.
- X **LONGEVITY** Due to the high quality of the material, maximum guarantees can be given for long life, as illustrated clearly in the automobile and aerospace industries. In addition, the intensive pre-finishing treatments of 'anaphoresis' and epoxy powder stove enamelling, guarantees that the radiators require no further treatment.
- X **EASE OF INSTALLATION** This is possible thanks to the lightness of aluminium granting greater flexibility and speed of installation.
- X **CERTIFIED QUALITY** On April 15th 1994, the ICIM granted the ISO 9001:2000 Quality System normative to GLOBAL.

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.



Model	Dimensions in mm				ø connection	empty weight Kg ca.	contents in water in litres	Thermal powers EN 442				Exponent n.	Coefficient Km
	A total height	B length	C depth	D pipe centres				ΔT 50°C		ΔT 60°C			
								Watt	*Kcal/h	Watt	*Kcal/h		
GL 800/80	890	80	95	800	1"	2,20	0,55	183	158	233	201	1,32929	1,00806
GL 700/80	790	80	95	700	1"	1,94	0,53	166	143	212	183	1,32907	0,91684
GL 600/80	690	80	95	600	1"	1,60	0,51	145	125	185	160	1,32879	0,80367
GL 500/80	590	80	95	500	1"	1,48	0,40	126	109	161	139	1,32855	0,69822
GL 350/80	440	80	95	350	1"	1,28	0,38	97	84	123	106	1,32817	0,53646
GL 350/80/D	440	80	180	350	1"	2,12	0,70	157	136	200	173	1,31832	0,90597
GL 200/80/D	290	80	180	200	1"	1,42	0,52	103	89	131	113	1,31521	0,60052

* 1 Watt = 0,863 Kcal/h

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

Example for a different ΔT from ΔT 50° C

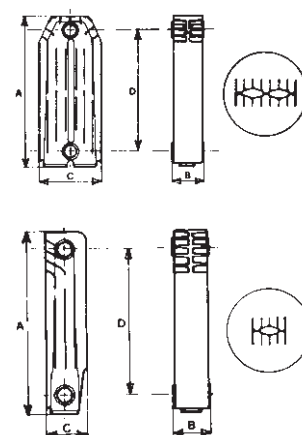
If you need to know a radiator thermal power (P) with different ΔT from ΔT 50° C, use the following characteristic equation: $P = Km \cdot \Delta T^n$

Example for the GL 600 model with ΔT = 60° C:

$$P = 0,80367 \cdot 60^{1,32879} = 185 \text{ Watt}$$

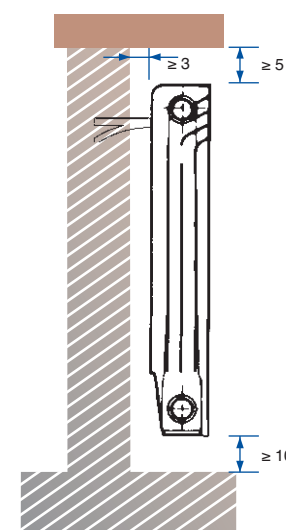
Example of thermal powers readings with different ΔT from ΔT 50° C

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
GL 800/80	54	73	93	114	136	159	183	207	233
GL 700/80	49	66	84	103	123	144	166	189	212
GL 600/80	43	58	74	91	108	126	145	165	185
GL 500/80	37	50	64	79	94	110	126	143	161
GL 350/80	29	39	49	60	72	84	97	110	123
GL 350/80/D	47	63	80	98	117	137	157	178	200
GL 200/80/D	31	41	53	64	77	90	103	117	131



correct installation

- ✗ The GL 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 thermal output can be obtained by mounting the radiators observing the following distances:
 - ≥ cm 3 from the wall
 - ≥ cm 10 from the floor
 - ≥ cm 5 from the shelf or window-sills
 To 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 avoid problems due to deposit and corrosion in the heating system when using mixed metals it is recommended that the water pH is checked (preferably between 6,5 and 8) and to introduce a suitable inhibitive additive (Cillit-HS 23 Combi or another product equal or similar) in a quantity equal 1 litre to every 200 litres of circulating water or according to the manufacturer's instructions.
- ✗ We recommend the installation of floating automatic or manual air vent valves for radiators to ensure maximum efficiency.
- ✗ In order to avoid problems with gases which can be present in the heating system and to eliminate excessive pressure, we suggest not completely closing the valves. If it is necessary to isolate one or more radiators from the circuit for protracted periods it is advisable to install automatic air vent valves on every radiator.
- ✗ To ensure lasting protection of the finished paint surface radiators must not be installed in a permanently wet or damp environment.
- ✗ Small paint imperfections or damage can allow aluminium oxidization that will stain or destroy the finished surface.
- ✗ It is advisable not to use abrasive products when cleaning the radiator surface.



accessories



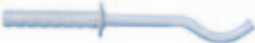
1- Straight bracket



3- Square bracket



4- Plastic-coated white square bracket



25- White bracket with rawl plugs straight mm 170

26- White bracket with rawl plugs straight mm 195 double mod.



27- White universal bracket blister (two)



29- White square bracket blister (two)



5- Painted plug or reduction
20- Painted plug or reduction with silicon gasket



6- Galvanized plug or reduction



43- Reduction kit 3/8" with silicon gasket for model from 200/D to 800 mm

46- Reduction kit 1/2" with silicon gasket for model from 200/D to 800 mm

48- Reduction kit 3/4" with silicon gasket for model from 200/D to 800 mm



7- Gasket for plug and reduction mm 1,50

8- Gasket for nipples mm 1,00

21- Silicon gasket for plug and reduction



9- Nipples 1"



15- White floor adjustable feet



10- Spray paint



18- Cillit Combi liquid



13- Automatic air vent valve 1" right or left



12- Manual air vent valve 1/8"

39- Manual air vent valve 1/4"

40- Manual air vent valve 3/8"



41- Manual air vent valve 1/2"



19- Spanner for plug

79- Lever for spanner

80- Spanner mm 500

81- Spanner mm 800

Quality Certificate



Environment Certificate



GLOBAL colours



10 - white RAL 9010



01 - ivory RAL 1013

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