



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

**EKOS &  
EKOS PLUS**  
*patented*



aluminium  
radiators





irresistibly  
rounded

# EKOS PLUS

Global has manufactured aluminium radiators since 1971 and has reached an experience in the area of aluminium radiators that always allows them to produce avant garde models.

EKOS and EKOS PLUS, designed and **patented** by GLOBAL enrich the vast range of Global aluminium radiators.

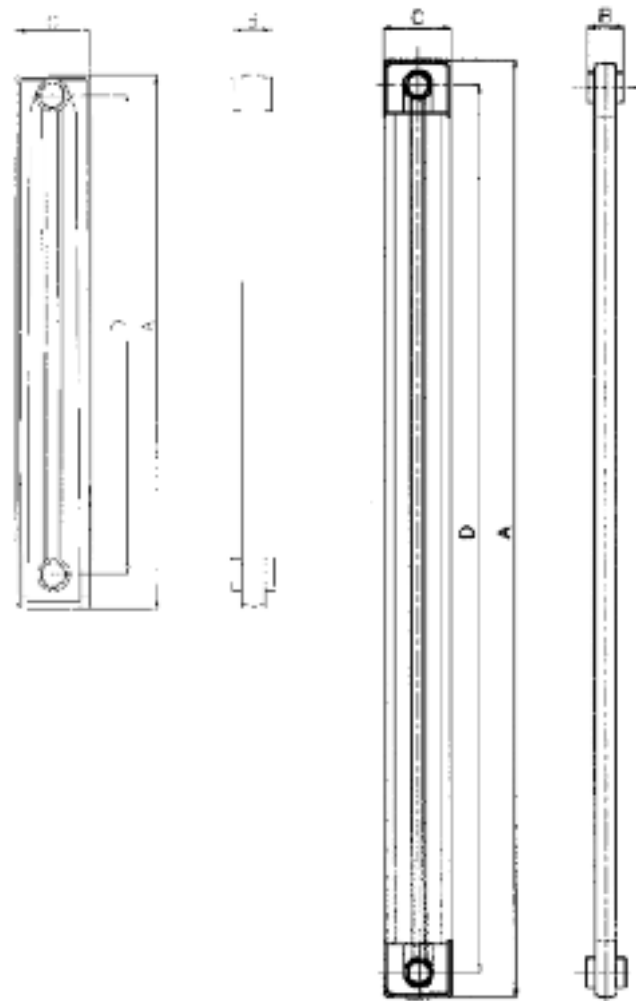
# EKOS

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, subject to installation in compliance with suitable regulations and correct installation.

**GLOBAL**   
RADIATORI





#### ❖ EXCLUSIVE DESIGN

Radiators of an innovative line, harmonious, of rounded form that furnish environments elegantly where the aesthetic result is particularly important.

#### ❖ 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 powder enamelling guarantees a perfect and durable finish.

#### ❖ ENERGY SAVING WITH MAXIMUM CONFORT

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.

#### ❖ 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.

#### ❖ EASIER INSTALLATION

Due to the lightness of the aluminium and the sectional elements that allow greater ease and flexibility of installation.

#### ❖ CERTIFIED QUALITY

The ICIM certified on April 15th 1994 (cert. n. 0162) the Quality System of GLOBAL in accordance with the norm ISO 9001:2000 and on June 8th 2001 (cert. n. 0023A/0) the System of Environmental Management in conformity with the norm UNI EN ISO 14001. Both the certifications are also attested by the IQNet European Organization



# innovative, harmonious, rounded



Model	Dimensions in mm				ø connection	empty weight Kg ca.	contents in water in litres	Thermal powers 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		
EKOS PLUS 2000	2070	50	95	2000	1"	3,34	0,65	<b>196</b>	<b>169</b>	250	215	1,33285	1,06514
EKOS PLUS 1800	1870	50	95	1800	1"	3,05	0,59	<b>178</b>	<b>154</b>	227	196	1,33883	0,94330
EKOS PLUS 1600	1670	50	95	1600	1"	2,76	0,53	<b>160</b>	<b>138</b>	204	176	1,34480	0,82963
EKOS PLUS 1400	1470	50	95	1400	1"	2,46	0,49	<b>143</b>	<b>123</b>	182	157	1,32938	0,78649
EKOS PLUS 1200	1270	50	95	1200	1"	2,16	0,44	<b>126</b>	<b>109</b>	160	138	1,31396	0,73725
EKOS PLUS 1000	1070	50	95	1000	1"	1,88	0,36	<b>109</b>	<b>94</b>	138	119	1,28835	0,70844
EKOS PLUS 900	970	50	95	900	1"	1,73	0,31	<b>101</b>	<b>87</b>	128	110	1,27555	0,68929
EKOS 800/95	868	50	95	800	1"	1,77	0,68	<b>87</b>	<b>75</b>	110	95	1,29916	0,53732
EKOS 700/95	768	50	95	700	1"	1,49	0,63	<b>78</b>	<b>67</b>	98	85	1,29022	0,49989
EKOS 600/95	668	50	95	600	1"	1,36	0,58	<b>69</b>	<b>60</b>	87	75	1,28127	0,46027
EKOS 500/95	568	50	95	500	1"	1,11	0,50	<b>61</b>	<b>53</b>	76	66	1,26879	0,42369
EKOS 800/130	883	50	130	800	1"	1,92	0,66	<b>108</b>	<b>93</b>	137	118	1,29675	0,67867
EKOS 600/130	683	50	130	600	1"	1,56	0,54	<b>87</b>	<b>75</b>	110	95	1,27355	0,59635

\* 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:  $P = Km \cdot \Delta T^n$

### EKOS PLUS

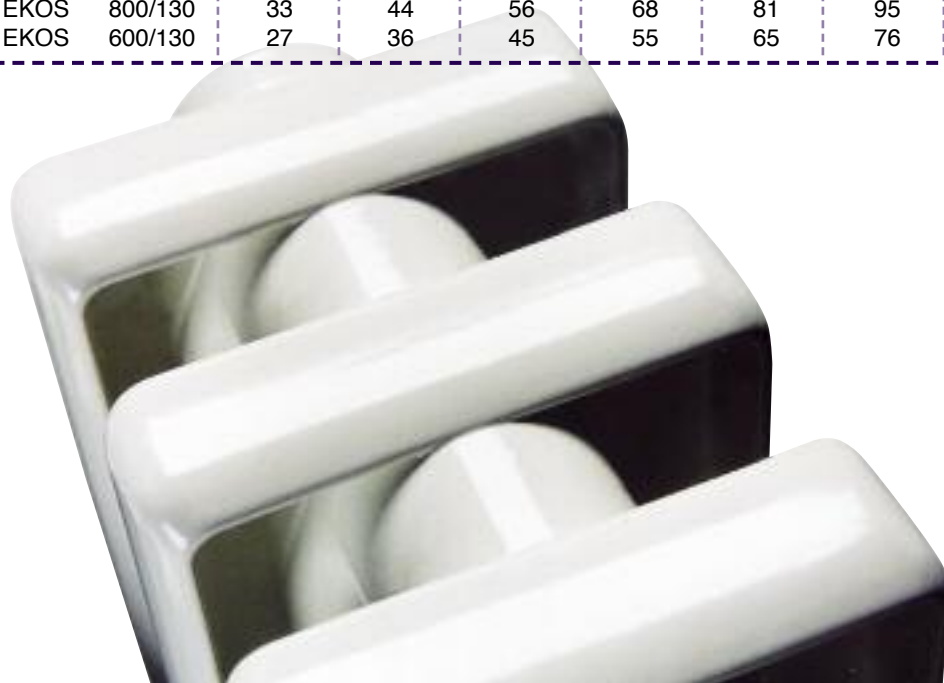
Ex. for the Ekos Plus 1600 model with ΔT = 60° C:  
 $P = 0,82963 \cdot 60^{1,34480} = 204$  Watt

### EKOS

Example for the Ekos 600 model with ΔT = 60° C:  
 $P = 0,46027 \cdot 60^{1,28127} = 87$  Watt

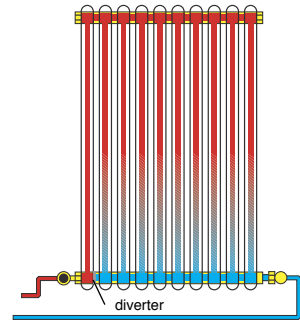
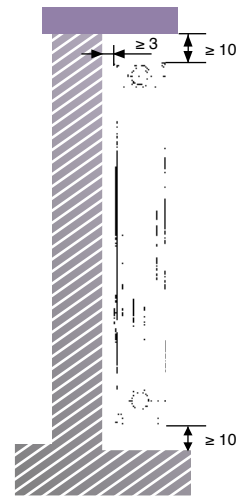
## Example of thermal powers readings with different ΔT from ΔT 50° C

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
EKOS PLUS 2000	58	78	99	122	145	170	<b>196</b>	222	250
EKOS PLUS 1800	52	70	90	110	132	154	<b>178</b>	202	227
EKOS PLUS 1600	47	63	80	99	118	139	<b>160</b>	182	204
EKOS PLUS 1400	42	57	72	89	106	124	<b>143</b>	162	182
EKOS PLUS 1200	38	51	64	79	94	110	<b>126</b>	143	160
EKOS PLUS 1000	34	45	57	69	82	96	<b>109</b>	124	138
EKOS PLUS 900	31	42	53	64	76	89	<b>101</b>	114	128
EKOS 800/95	26	35	45	54	65	76	<b>87</b>	98	110
EKOS 700/95	24	32	40	49	58	68	<b>78</b>	88	98
EKOS 600/95	21	28	36	44	52	60	<b>69</b>	78	87
EKOS 500/95	19	25	32	39	46	53	<b>61</b>	68	76
EKOS 800/130	33	44	56	68	81	95	<b>108</b>	123	137
EKOS 600/130	27	36	45	55	65	76	<b>87</b>	98	110



# correct installation












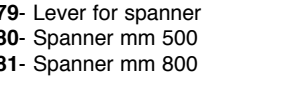

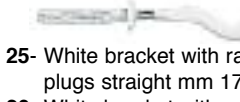






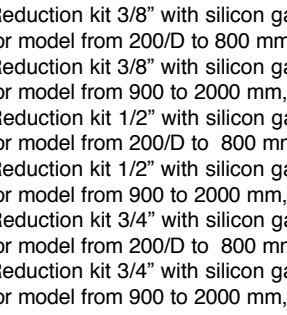



- ❖ The Ekos and Ekos Plus radiators can be used in all hot water or vapour heating installations up to 110° C with a working pressure up to 600 K Pascal - 6 bar.
- ❖ They can be installed in systems using iron, copper or thermoplastic pipes.
- ❖ The highest thermal output can be obtained by mounting the radiators observing the following distances:
  - ≥ cm 3 from the wall
  - ≥ cm 10 from the floor
  - ≥ cm 10 from the shelf or window-sillsTo avoid noise caused by thermal expansion the use of plastic sleeves on the brackets is recommended (artt. 4, 14, 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.



## additional notes for Ekos Plus

- ❖ Important: if the aluminium radiator EKOS PLUS is 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.
- ❖ The plugs or reductions (artt. 5 and 6) must be used only with original 'O-R' gasket (art. 24) alternatively the kit (artt. 44, 47, 49) can be used.
- ❖ In the case of assembling more sections the nipple 1" mm 30 (art. 23) and the 'O-R' gaskets (art. 24) must be used.

# accessories

 <b>1-</b> Straight bracket	 <b>22-</b> Diverter for OSCAR and EKOS PLUS	 <b>15-</b> White floor adjustable feet	 <b>10-</b> Spray paint <b>18-</b> Cillit Combi liquid	 <b>13-</b> Automatic air vent valve 1" right or left
 <b>3-</b> Square bracket	 <b>5-</b> Painted plug or reduction <b>6-</b> Galvanized plug or reduction	 <b>20-</b> Painted plug or reduction with silicon gasket	 <b>19-</b> Spanner for plug	 Manual air vent valve <b>12-</b> 1/8" <b>39-</b> 1/4" <b>40-</b> 3/8"
 <b>4-</b> Plastic-coated white square bracket	 <b>7-</b> Gasket for plug and reduction mm 1,50 <b>8-</b> Gasket for nipples mm 1,00	 <b>21-</b> Silicon gasket for plug and reduction	 <b>79-</b> Lever for spanner <b>80-</b> Spanner mm 500 <b>81-</b> Spanner mm 800	 <b>41-</b> Manual air vent valve 1/2"
 <b>25-</b> White bracket with rawl plugs straight mm 170 <b>26-</b> White bracket with rawl plugs straight mm 195 double mod. and Ekos 130	 <b>24-</b> O-R gasket for Oscar, Ekos Plus, Junior	 <b>43-</b> Reduction kit 3/8" with silicon gasket for model from 200/D to 800 mm <b>44-</b> Reduction kit 3/8" with silicon gasket for model from 900 to 2000 mm, Junior	 <b>46-</b> Reduction kit 1/2" with silicon gasket for model from 200/D to 800 mm <b>47-</b> Reduction kit 1/2" with silicon gasket for model from 900 to 2000 mm, Junior	 <b>42-</b> Automatic air vent valve 1/2" chromate
 <b>27-</b> White universal bracket-bliester (two) <b>14-</b> White universal bracket Ekos 130 mod. - bliester (two)	 <b>9-</b> Nipples 1"	 <b>23-</b> Nipples 1" mm 30 for Oscar, Ekos Plus	 <b>48-</b> Reduction kit 3/4" with silicon gasket for model from 200/D to 800 mm <b>49-</b> Reduction kit 3/4" with silicon gasket for model from 900 to 2000 mm, Junior	 <b>249 -</b> hanging peg white <b>250 -</b> hanging peg chrome
 <b>29-</b> White square bracket bliester (two)				 <b>HANGING BAR</b> <b>225 -</b> cm 48 white <b>226 -</b> cm 48 chromate <b>231 -</b> cm 32 white <b>232 -</b> cm 32 chromate

**standard color:**

white  
RAL 9010

**special colors:** see folder color

ivory  
RAL 1013

grey  
RAL 7013

beige  
RAL 7006

lilac  
RAL 4001

dark grey  
N. 2748

silver grey  
N. 2676

rust brown  
N. 3112

Quality Certificate



Environment Certificate



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