

**Phase 4**

WASHING AND FIRST PAINTING STAGE MADE BY ANAPHORESIS

**Phase 5**

SECTION AFTER SECOND PAINTING STAGE



**PAINTING AND FINISHING PHASES**

The manufacturer reserves the right to make any modifications deemed necessary without prior notification.



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**Big B3**

Die cast aluminium radiators



New weldless base assembled by thermoelectric joining technology



**EN**

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

**Phase 3**

WASHING AND CHEMICAL TREATMENT OF THE SURFACES

**Phase 1**  
UNMACHINED SECTION

**Phase 2**  
MACHINED SECTION



## Choose the Big radiator, choose the heat evolution:

Big stems from a research project aimed at optimizing radiator performances in order to offer a product with high mechanical and energetic capabilities.

A high degree of innovation, achieved thanks to the 3 patents this product was able to obtain, allows the Big radiator to be ideal for renovations and low temperature heating systems.

### Choose the Big radiator, discover all its advantages designed for You:

- ▶ Ideal for low temperature heating systems;
- ▶ Excellent weight/power ratio, which facilitates handling and installation;
- ▶ Modular: perfect for any space;
- ▶ High technological content: 3 international patents;
- ▶ Unalterable over time, thanks to its double varnish coating: anaphoresis and powder;
- ▶ 100% made in Italy;
- ▶ Nominal pressure: 16 bar;
- ▶ Pressure Test (undergone by 100% of manufactured products): 24 bar;
- ▶ Bursting pressure: 60 bar;
- ▶ Greater heat exchange = outstanding performances, low power consumption.



# Big

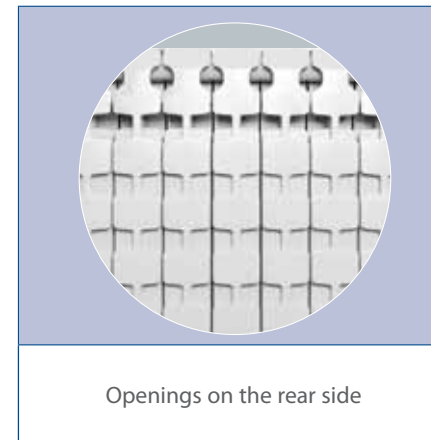
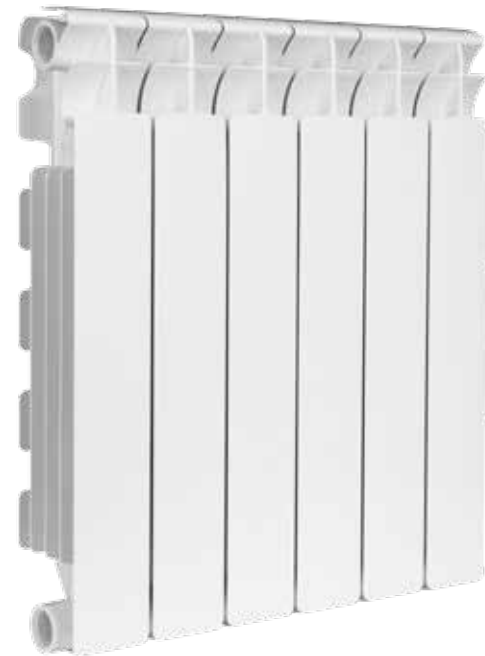
B3



Model	Depth	Height	Centre distance	Length	Connection diameters	Water capacity	Heat output $\Delta T$ 50K	Heat output $\Delta T$ 30K	Exponent	Coefficient
	mm	mm	mm	mm	inches	litres/sect.	W/sect.	W/sect.	n	$K_m$
<b>BIG B4 350/100</b>	97	407	350	80	G1	0,21	91,5	47,3	1,2910	0,5865
<b>BIG B3 500/100</b>	97	557	500	80	G1	0,25	115,2	59,6	1,2896	0,7422
<b>BIG B3 600/100</b>	97	657	600	80	G1	0,28	133,4	68,5	1,3046	0,8101
<b>BIG B3 700/100</b>	97	757	700	80	G1	0,39	149,5	77,1	1,2970	0,9358
<b>BIG B3 800/100</b>	97	857	800	80	G1	0,43	166,0	85,2	1,3070	0,9992

**Maximum working pressure: 1600 kPa (16 bar)**

Characteristic equation of the model  $\Phi = K_m \Delta T^n$  (reference EN 442-1). The thermal efficiency values, comply with EN 442-2.



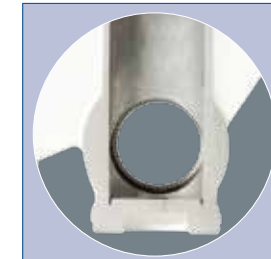
### Choose the Big radiator, install the product of the future:

The openings at the rear of the radiator increase convective heat exchange.

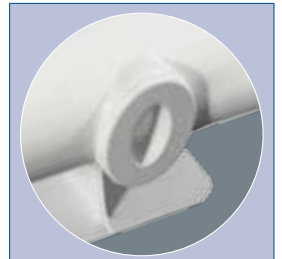
# Big

B3

## NEW 2015 PRODUCTION



Sectional view of weldless base with thermoelectric joining technology



New radiator base joined by thermoelectric technology

Fondital presents its new radiators with weldless base, assembled with an exclusive thermoelectric joining technology.



**An environmentally friendly solution.**

Thermolectric process, a PATENT PENDING technology, ensures a stable joint between the aluminium die-cast section and its base. Metal in the joint area is absolutely uniform and the two components are perfectly integrated into each other.



Thermolectric joining technology is carried out at controlled temperatures that prevent spatter and porosity. The result is a radiator that is as solid as a 100% single piece in aluminium, even more sturdy and reliable than ever.

### Other ADVANTEGES of the thermolectric joining process:

- ✓ No build-up of sludge in the bottom of the radiator.
- ✓ Perfect finish with no internal defects.
- ✓ Better visual appearance, no sharp burrs.
- ✓ Higher mechanical resistance.
- ✓ Environmentally friendly process, no waste of material.



Fondital guarantees Big for 10 years from the date of installation against all production defects providing the heating system is conform to the regulations, in compliance with the standards in force and provided the instructions on installation, use and correct maintenance supplied with the product have been observed.

Die-cast aluminium radiators with Aleternum anti-corrosion treatment have 20-year extended warranty.