

### Phase 4

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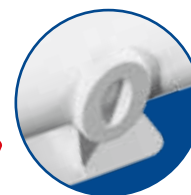
COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =



Die cast aluminium radiators



New weldless base assembled by thermoelectric joining technology



EN

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### Phase 3

WASHING AND CHEMICAL TREATMENT OF THE SURFACES

Phase 1  
UNMACHINED SECTION

Phase 2  
MACHINED SECTION



## Choose the Simun B3 radiator, choose the heat evolution:

Simun B3 stems from a research project aimed at optimizing radiator performances in order to offer a product with high mechanical and energetic capabilities.

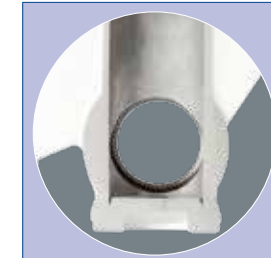
A high degree of innovation, achieved thanks to the three patents this product was able to obtain, allows the Simun B3 radiator to be ideal for renovations and low temperature heating systems.

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>SIMUN B3 500/100</b>	97	557	500	80	G1	0,26	119,5	62,3	1,2767	0,8097
<b>SIMUN B3 600/100*</b>	97	657	600	80	G1	0,30	133,0	68,0	1,3046	0,8078

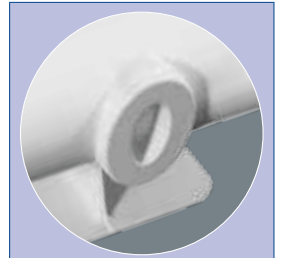
**Maximum working pressure: 1600 kPa (16 bar)**

Characteristic equation of the model  $\Phi = K_m \Delta T^n$ . The thermal efficiency values shown comply with the European Standard EN 442-1:2014.

\* Provisional data, certification pending.



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.

Thermoelectric 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.



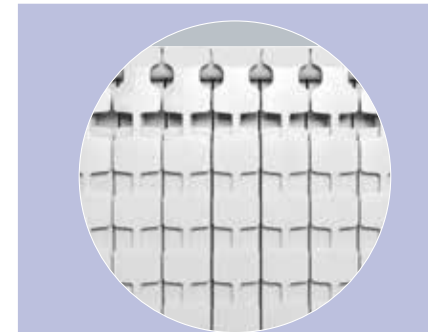
Thermoelectric joining technology is carried out at controlled temperatures that prevent spatter and porosity. The result is a radiator that is as solid as a 100% single piece in aluminium, even more sturdy and reliable than ever.

**Other ADVANTAGES of the thermoelectric 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.

## Choose the Simun B3 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.



Openings on the rear side

**Choose the Simun B3 radiator, install the product of the future:**

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