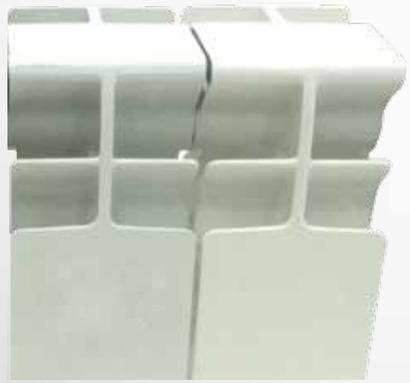
and FINISHING PHASES

phase 4	phase 5
SECTION AFTER FIRST PAINTING STAGE MADE BY ANAPHORESIS	SECTION AFTER SECOND PAINTING STAGE



MADE IN ITALY

Uff. Pub. Fondital - CTC 04 P 204 - 02 Dicembre 2011 (12/2011)

9PCGB04P204

Die cast aluminium radiators for high pressure heating systems

BRAND NAME NOVA FLORIDA

MADE IN ITALY

BIG S5

GB

FONDITAL S.p.A.
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COMPANY WITH QUALITY MANAGEMENT SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

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

PAINTING

phase 1	phase 2	phase 3
UNMACHINED SECTION	MACHINED SECTION	WASHING AND CHEMICAL TREATMENT OF THE SURFACES

BRAND NAME NOVA FLORIDA

BIG S5

CE 11

EVOLUTION: BIG S5 RANGE

Big S5 is NOVA FLORIDA's new range of high-tech radiators that feature numerous technological innovations:

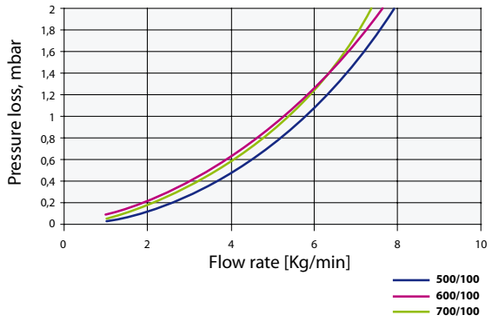
- Innovative geometry of the 5 rows of side fins, developed with thermo-fluid dynamic simulations and climatic chamber tests, resulting in a high heat output with a smaller surface area and hence less weight.
- Presence of rear openings allowing enhanced heat exchange by convection.
- A new cap for the element.
- Ornamental patent, and patent pending for new technical developments.

2011 BRAND NEW CREATION

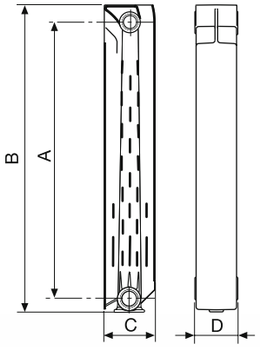
- *S5 is **lighter** than the models in the S3 range, and hence easier to transport and install;*
- *S5 has an **optimal weight-to-heat output ratio**;*
- *S5 features numerous **exclusive technological innovations**;*
- *S5 has an **innovative cap.***

	Depth (C) mm	Height (B) mm	Centre distance (A) mm	Length (D) mm	Connection diameters inches	Water capacity litres/sect.	Weight Kg/sect.	Exponent n	Coefficient K_m	Heat output ΔT 30K W/sect.	**Heat output ΔT 50K W/sect.**
500/100	97	557	500	80	G1	0.31	1.29	1.3008	0.7228	60.3	117.2
600/100	97	657	600	80	G1	0.34	1.51	1.3049	0.8225	69.6	135.6
700/100	97	757	700	80	G1	0.39	1.66	1.3105	0.9020	77.8	152.0

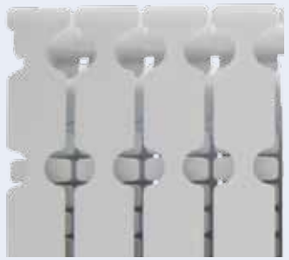
Pressure loss Big S5



Maximum working pressure: 1600 kPa (16 bar)
Characteristic equation of the model Φ=Km ΔTn (reference EN 442-1). The thermal efficiency values, expressed at ΔT 50K, comply with EN 442-2 and are certified by the MRT Lab of the Milan Polytechnic, notified body no. 1695.



Special configuration of side fins for enhanced heat exchange



Openings on the rear side

- *new configuration of side fins for **higher heat output***
- *new technical solution**: cap with no welding required***

BIG S5

INNOVATIVE CAP

- The new cap is not welded and hydraulic seal is provided by an **O-ring seal**.
- The new cap is made of **aluminized steel**.
- **No welds, so no problems with burrs** at the bottom of the radiator.
- **All the caps** for the models in the Big S5 range **undergo Aleternum® anticorrosion treatment.**

GARANZIA 10 YEARS WARRANTY

Fondital guarantees **Big S5** 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.