

## Advantages



- ✓ **LOWER THERMAL INERTIA:**  
**FASTER** reaction to climate changes  
=  
**LOWER** operating costs



- ✓ **INSTALLATION**  
**LESS** effort  
=  
**EASIER** installation



- ✓ **ENERGY SAVING**  
**LESS** material mined  
=  
**MORE** recycling



- ✓ **COST SAVING:**  
**MORE** products per journey  
=  
**LESS** costs for you (- 30%)

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

**NOVA FLORIDA**



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**NOVA FLORIDA**

LIGHTWEIGHT AND INNOVATIVE, SIMPLY

innovativum

**GENIALE1**









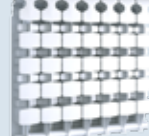
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COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =

## International Patents:

1		Optimally sized hydraulic connections.
2		Improved section head with independent hydraulic connection.
3		Optimised capacity-to-volume ratio (water volume in single section to overall section volume).
4		Significantly larger finned area in the back part of the radiator.
5		Special side fin pack provides an increased heat output rate.
6		Modified element blanking cap.
7		Restyled with a more contemporary, cutting-edge design.

LIGHTWEIGHT AND INNOVATIVE, SIMPLY

# GENIALE1

**Innovatium Range** radiators were designed to maximize the aluminium efficiency in radiator heat exchange.

Fondital Innovatium is the range embodying our strong vocation to innovation and change, and expressing the commitment to creating solutions capable of making radiators the future choice for heating installations.

Like all other Fondital products, **Geniale1** radiators obtained a heat output certificate issued by the Politecnico di Milano, a Milan-based university with an internationally-acknowledged advanced research center.

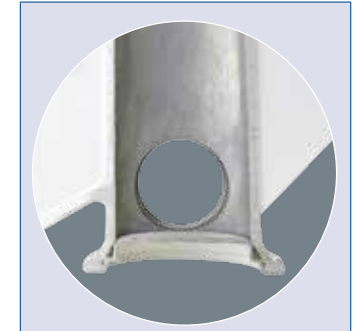
- ▶ **7 Patents**
- ▶ **60 Bar**
- ▶ **Exclusive Design**
- ▶ **Innovative cap**
- ▶ **Optimal weight-to-output ratio**
- ▶ **Anaphoresis + Powder coating**
- ▶ **12-year warranty**
- ▶ **Lower thermal inertia**
- ▶ **Larger heat exchange surfaces**
- ▶ **Higher cost saving**



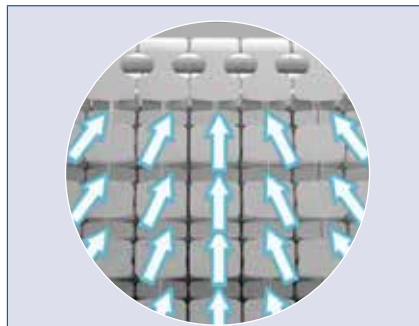
# GENIALE1

Model	Depth (C) mm	Height (B) mm	Centre distance (A) mm	Length (D) mm	Connection diameters inches	Water capacity litres/sect.	Heat output $\Delta T$ 30K W/sect.	Heat output $\Delta T$ 50K W/sect.	Exponent n	Coefficient $K_m$
350/100	97	405	350	80	3/4	0.16	47.9	93.3	1.307	0.5616
500/100	97	551	500	80	3/4	0.21	60.1	116.7	1.298	0.7273
600/100	97	651	600	80	3/4	0.24	67.9	132.8	1.312	0.7839
700/100	97	751	700	80	3/4	0.34	78.1	153.7	1.325	0.8623
800/100	97	851	800	80	3/4	0.40	87.5	171.9	1.322	0.9738

**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, expressed at  $\Delta T$  50K, comply with EN 442-2 and are certified by the MRT Lab of the Milan Polytechnic, notified body no. 1695.



Innovative cap (section)

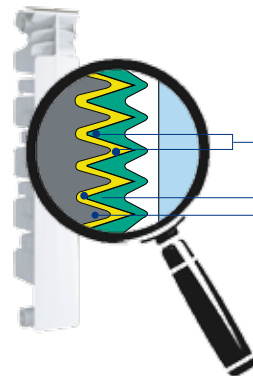


Increased finned surface to favour the air inflow



Creation of hot air micro vortexes among fins

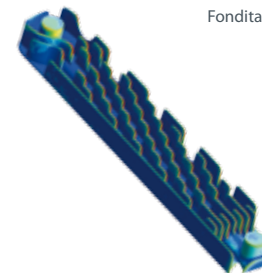
Coating: anaphoresis + powder coating



**Anaphoresis\***  
 Paint will fill all pores on the aluminium surface and will be absorbed by the metal.  
**Prevents the formation of air inclusions**  
 Aluminium  
 \* Paint applied using anaphoresis is white; it has been portrayed in green for display purposes only. The aluminium layer which absorbs anaphoresis is shown in yellow.



Heat output increase



Fondital R&D department optimized fin size and position of Innovatium range models  
 =  
**INCREASED AREA FOR AIR-RADIATOR HEAT EXCHANGE**  
 =  
**HEAT OUTPUT INCREASE**



All **Geniale1** models are guaranteed for **12 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.

- ▶ **Innovative cap:**
  - No welds, so no problems with burrs at the bottom of the radiator.
  - The new cap is not welded and hydraulic seal is provided by an O-ring seal.
  - The new cap is made of aluminized steel.
  - All the caps for the models in the Geniale1 range undergo Aleternum® anticorrosion treatment.