

# VISION

## THAT'S A VISION THING

7 PATENTS

60 BAR BURST PRESSURE

EXCLUSIVE DESIGN

INNOVATIVE CAP

Mod. 500/80:  $\Delta T 50 = 105$  Watt

Mod. 500/100:  $\Delta T 50 = 115$  Watt

ANAPHORESIS + POWDER COATING

12-YEAR WARRANTY



**NEW  
2012**

# fondital

BE INNOVATIVE



GB



Die-cast radiators

# THAT'S A VISION THING.



Innovatium is the result of careful studies and continuous technological research by the Fondital Research & Development Centre. The R&D Centre is made up of a dedicated team of 27 engineers engaged in product development fulltime. This project embodies our Company's strong vocation to innovation and its commitment to developing solutions that make aluminium radiators the best heating technology for the future.

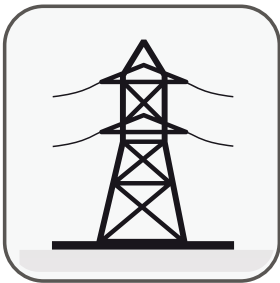
## R&D STRUCTURE CHART - A TEAM OF 27 ENGINEERS



# ADVANTAGES OFFERED BY THE INNOVATIUM PRODUCT RANGE:



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



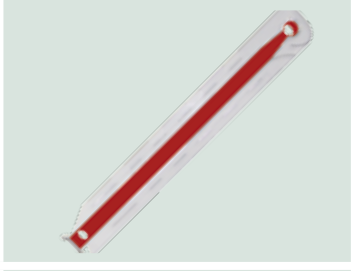



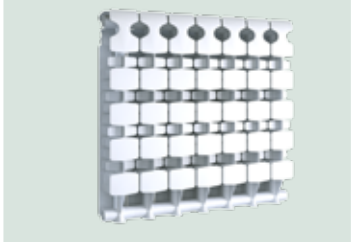


✓ **ENERGY SAVING**  
**LESS** material mined  
=  
**MORE** recycling



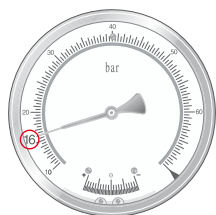
✓ **INSTALLATION**  
**LESS** effort  
=  
**EASIER** installation

# 7 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 surface area to accommodate fins thanks to the compact water chamber and hydraulic connections.
5		Special side fin pack provides an amazing heat output rate with a smaller surface area and lightweight construction.
6		New concept cap: <ul style="list-style-type: none"><li>- No welding used, which means no welding burrs;</li><li>- Made from aluminized steel sheet;</li><li>- O-ring for guaranteed sealing;</li><li>- Positioned flush with the hydraulic connection to prevent sludge from building up at the bottom of the sections.</li></ul>
7		Restyled with a more contemporary, cutting-edge design.

# 60 BAR

## BURST PRESSURE



Working pressure  
**16 bar**



Burst pressure  
**60 bar**

## EXCLUSIVE DESIGN

inn  vatium  
**VISION**



## INNOVATIVE CAP



- ✓ **Weldless assembly**
- ✓ **Flush with hydraulic connections**
- ✓ **Aluminized steel sheet**

**LESS CORROSION & LESS INTERNAL BUILD-UP**

**=**

**MORE HEAT EFFICIENCY**

# Lightweight

## technology

**LESS WEIGHT =  
MORE QUALITY  
MORE INNOVATION  
MORE SAFETY**

Technological research enabled us to develop more lightweight and, at the same time, more efficient products. With the Visione line, Fondital has improved the weight-to-output ratio of its radiators for guaranteed high efficiency. Innovation means the same heat output in a more lightweight device.

2008

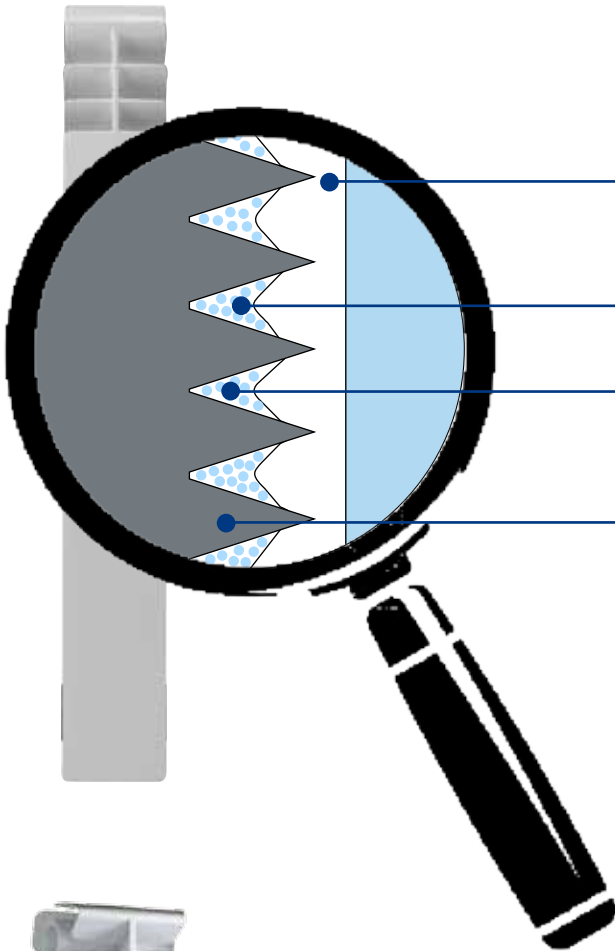




2012

# ANAPHORESIS & POWDER COATING

Radiator without anaphoretic coating



## Coating powder

does not fill the microscopic pores on the aluminium surface

## Air

Over time, microfissures give rise to oxidation, triggered by air trapped between the aluminium surface and coating powder

## Air inclusions

## Aluminium



Oxidation

=

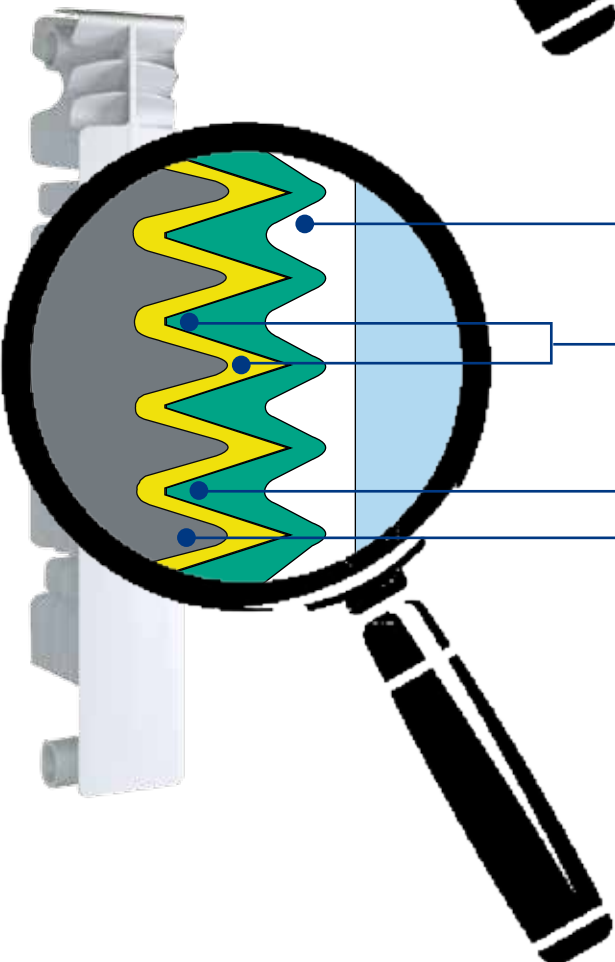
## Corrosion

- from the **INSIDE**: Will lead to perforation
- on the **OUTSIDE**: Will damage the external coating

inn  
vision

VISION

Radiator



## Powder

## 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.



Aluminium will absorb the coating:

**NO AIR**

=

**NO OXIDATION**



# CERTIFIED BY THE MOST PRESTIGIOUS EUROPEAN UNIVERSITIES

**Mod. 500/80**  
**ΔT 50=105 W**

**Mod. 500/100**  
**ΔT 50=115 W**



Like all other Fondital products, Geniale radiators obtained a heat output certificate issued by the Politecnico di Milano, a Milan-based university with an internationally acknowledged advanced research centre. Fondital's vocation to innovation and quality has led to a long-standing collaboration with this university and its scientific community made up of over 1,400 teachers and researchers across the world.

## TECHNICAL SPECIFICATIONS

Model	Depth	Height	Centre-to-centre distance	Width	Connections	Water content	Heat output ΔT50K	Exponent	Coefficient
	(C) mm	(B) mm	(A) mm	(D) mm	inches	litres/section	<b>W/section</b>	n	K <sub>m</sub>
500/80	80	550	500	80	3/4"	0.21	<b>105</b>	1.3180	0.6053
500/100	97	550	500	80	3/4"	0.21	<b>115</b>	1.3059	0.6953

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

Characteristic equation of model  $\Phi = K_m \Delta T^n$  (as per EN 442-1)

Outputs are stated at  $\Delta T = 50K$  as required by the European Standard EN 442-2.

## 12-YEAR WARRANTY

**12-YEAR  
WARRANTY**

VISION radiators come with a 12-year warranty against manufacturing defects from the date of installation.



# A GENUINE PRODUCT IS INIMITABLE!

## **COUNTERFEIT GOODS SUPPORT CRIME!**

SUPPORT ONLY LEGITIMATE TRADE, BUY FROM MANUFACTURERS WHO BELIEVE THAT YOUR SAFETY MATTERS AND INVEST IN INNOVATION, RESEARCH AND DEVELOPMENT.

## **BEWARE OF COUNTERFEIT PRODUCTS!**

FONDITAL & NOVA FLORIDA PRODUCTS ARE GUARANTEED TO COMPLY WITH INTERNATIONAL SAFETY STANDARDS, SO AS TO SAFEGUARD OUR THOUSANDS OF CUSTOMERS, OUR EMPLOYEES AS WELL AS OUR BRAND IMAGE BUILT DURING OVER FOUR DECADES OF MANUFACTURING GENUINE ITALIAN-MADE PRODUCTS.

IF YOU ARE BUYING A COUNTERFEIT PRODUCT OR ARE IN DOUBT AS TO THE PRODUCT YOU ARE BUYING, PLEASE CONSIDER THAT YOUR MONEY COULD VERY WELL END UP SUPPORTING ILLEGAL ACTIVITIES OR ORGANISED CRIME.

SUPPORT MANUFACTURERS WHO INVEST IN INNOVATION, RESEARCH AND DEVELOPMENT.

DON'T TAKE ANY CHANCES:

# **SAY NO TO COUNTERFEIT GOODS!**

## DOES YOUR ALUMINIUM RADIATOR OFFER AS MUCH?

	✓	✗
1. 7 international patents	<input type="checkbox"/>	<input type="checkbox"/>
2. Lower transport costs	<input type="checkbox"/>	<input type="checkbox"/>
3. Easier installation	<input type="checkbox"/>	<input type="checkbox"/>
4. Exclusive design	<input type="checkbox"/>	<input type="checkbox"/>
5. Anaphoresis & powder coating	<input type="checkbox"/>	<input type="checkbox"/>
6. Innovative cap	<input type="checkbox"/>	<input type="checkbox"/>
7. Certification by Politecnico di Milano	<input type="checkbox"/>	<input type="checkbox"/>
8. 100% made in Italy	<input type="checkbox"/>	<input type="checkbox"/>
9. 100% recyclable	<input type="checkbox"/>	<input type="checkbox"/>
10. Less material mined	<input type="checkbox"/>	<input type="checkbox"/>
11. Greater energy saving	<input type="checkbox"/>	<input type="checkbox"/>
12. Design by R&D Centre with 27 Engineers	<input type="checkbox"/>	<input type="checkbox"/>
13. Corrosion-free	<input type="checkbox"/>	<input type="checkbox"/>
14. No sludge build-up	<input type="checkbox"/>	<input type="checkbox"/>
15. No air inclusion	<input type="checkbox"/>	<input type="checkbox"/>
16. No oxidation	<input type="checkbox"/>	<input type="checkbox"/>
17. 12-year warranty	<input type="checkbox"/>	<input type="checkbox"/>
18. Improved weight-to-output ratio	<input type="checkbox"/>	<input type="checkbox"/>
19. 60-bar pressure resistance	<input type="checkbox"/>	<input type="checkbox"/>
20. $\Delta T 50 = 115$ Watt/section (mod. 500/100)	<input type="checkbox"/>	<input type="checkbox"/>

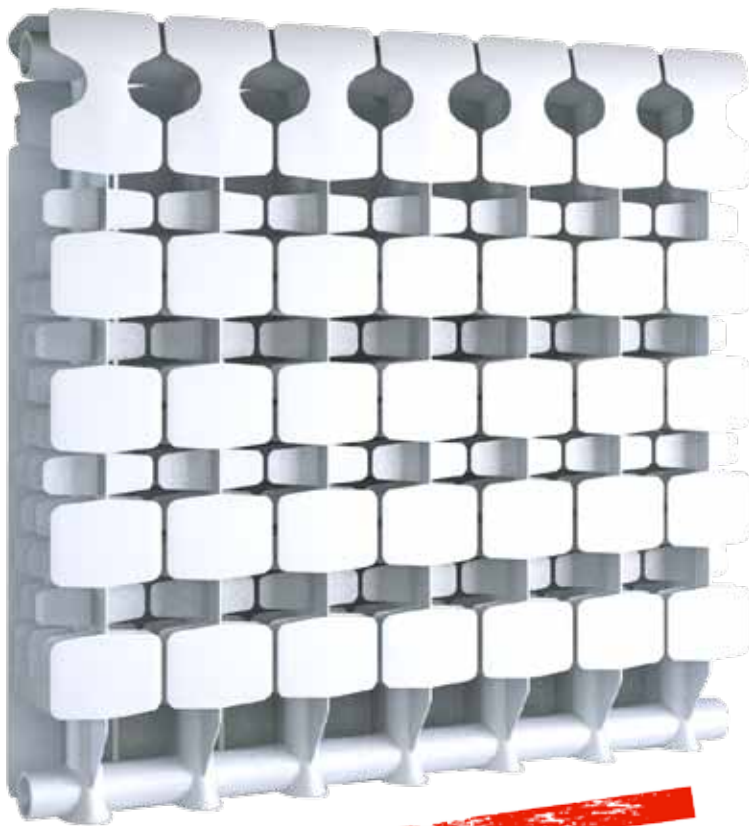
# Did you score 20 points?



# Welcome to a new **VISION** of power.

# VISION

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