fondital
BE INNOVATIVE

Design

EN

fondital

BE INNOVATIVE

Design

Fondital is a premium brand of heating systems. Established over 40 years ago,
the company has now developed into a well-established worldwide business enterprise.
Fondital's new design lines are the top choice for anyone wishing to add a sophisticated touch to
their homes with a wide range of finishes, dimensions and colours.
The new design radiators combine beautiful appearance and optimal thermal yield
into heating solutions that are true works of art.
No compromises. Fondital's new design radiators are appealing, warm and 100% recyclable.
Don't miss out on this opportunity, find out more about these innovative products.

"Passion
dyes of its colours
everything it touches"

Baltasar Gracián y Morales

Cool
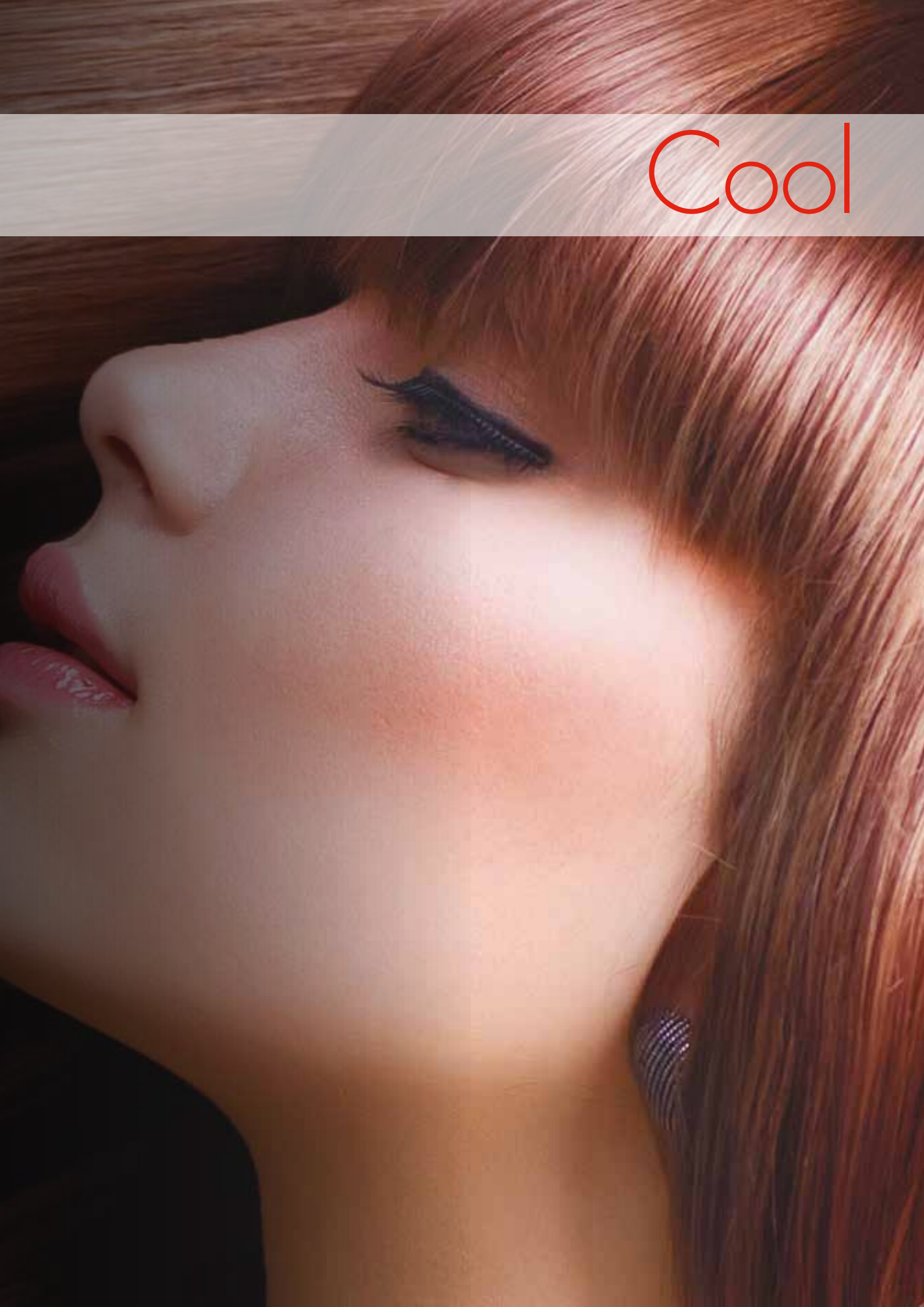
Cool

The *Atelier collection* was designed to meet an increasing commercial demand for functional, sophisticated and high-quality design radiators, with an environmentally friendly approach aimed at minimising consumption and improving environmental sustainability.

The collection features versatile bathroom furnishing solutions available in a wide range of finishes and dimensions: 20 models, available in 24 colours, centre distances between 400 and 600, heights from 858 to 1740 and 2 types of hydraulic connections. The elegant *Atelier collection* offers innovative and patented technical solutions.

"Atelier collection" is elegant, technological and innovative, 100% Made in Italy

Advantages

› **Made in Italy**

› **12-year** warranty

› **Aleternum** total anticorrosion treatment

› 100%, fully recyclable aluminium

› **20 available models:** heights from 858 to 1740 and centre distances from 400 to 600

› Wide range of colours and finishings

› **Double coating**: durability guaranteed

› **2 types of hydraulic connections**: traditional and central from below

› Patented **assembly system**

› **High mechanical efficiency**: endures a pressure of over16 bar

› **Easy installation**

› Excellent **quality/price ratio**
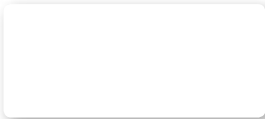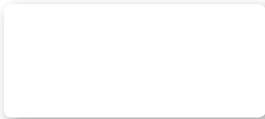
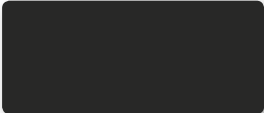› Ideal asset in **low temperature** heating systems
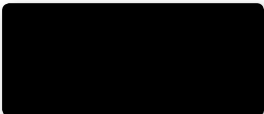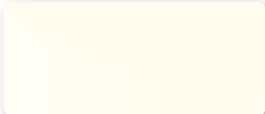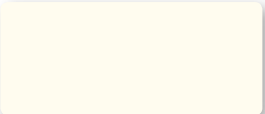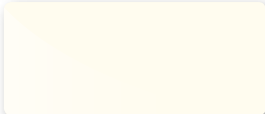
Colours

All colours are available in four finishes:
GLOSS - MATT - TEXTURED MATT - PEARL

The colours shown are merely indicative and not binding, as they may slightly differ, due to the printing process.

	GLOSS	MATT	TEXTURED MATT	PEARL
BIANCO	Code: 04			Code: 4M
CORVINO	Code: 2L		Code: 3L	
METROPOLITAN			Code: 3T	
BLACK COFFEE			Code: 3V	
PEARL	Code: 2N	Code: 5N		Code: 4N
ORGANZA	Code: 2D	Code: 5D		
TURTLE		Code: 5P	Code: 3P	
COPPER	Code: 2C		Code: 3C	

The products in Fondital's design collection are not only characterised by unparalleled durability, but also by extremely creative applications: this is why these charming aluminium radiators can be integrated into many different interior design projects.
A wide range of colours and finishings meets the needs of architects and designers.

	GLOSS	MATT	TEXTURED MATTE	PEARL
TERRA BRUCIATA	Code: 2S			
SILVER	Code: 2F		Code: 3F	
GRAFITE			Code: 3R	
ARDESIA	Code: 2B		Code: 3B	
RUBINO	Code: 2A			
HELOISE			Code: 3H	
TURQUOISE BEACH	Code: 2I			

Coloured versions: 45% price increase on the price of a gloss white RAL 9010.

"Discovery consists of seeing what everybody has seen and thinking what nobody has thought."

eCool

eCool

E-Cool is an aluminum electric towel rail radiator available both in analog (EA) and digital (ED) versions. With standard ALeternum anti-corrosion treatment, E-Cool ensures excellent durability and prolonged resistance to corrosive agents.

Available in a different power ratings and wide central distance range, it is able to meet any residential needs while respecting the environment. In fact, the employment of Fondital electric radiators permit to exploit renewable energy sources such as solar photovoltaic panels and wind turbines, contributing to energy saving and air pollution reduction.

eCool EA

eCool ED

Advantages

› **Excellent weight/power ratio**: reduced transport, handling and installation costs.

› Self-adjusting PTC heating element

› Aluminium alloy body with low thermal inertia

› Colour: **RAL 9010**

› **IP44 protection class**

› **Class II insulation**

› Electronic temperature regulation (PI controller)

› NTC temperature probe

› **Fixing system included**

eCool EA

❯ Boost, 12 and 24 hours programming options

❯ Interface with **control knobs**

❯ Operating modes:
Boost/12h/24h/Night/
Freeze protection/Eco/Stand-by

eCool ED

❯ **LCD** backlight interface

❯ Window opening detection

❯ Daily and weekly programming options

❯ Operating modes:
Programming/Comfort/Night/
Freeze protection/Key lock/
Boost/Eco/Stand-by

Aleternum®
Total anticorrosion treatment

INTRODUCTION

Fondital's Aleternum internal treatment

Corrosion is the main cause of malfunction in heating systems. In addition to degrading system components, it significantly reduces heat output over the years, which consequently leads to a greater economic burden.

For instance, in heating systems with cast-iron or steel radiators, the sludge produced by corrosion will settle at the bottom and obstruct radiators and pipes, reducing or completely hindering heat output and resulting in an unbalanced heat distribution.

To prevent the radiator from corroding, Fondital developed Aleternum®, the exclusive resin-based inner surface treatment to protect the radiator's water chamber.

Aleternum® by Fondital opens up a new era of total protection, safety and high output rates for heating systems. Your heating system will always remain as new as day one!

WHAT IS CORROSION?

✔ Chemical-physical interaction of metal with an aqueous environment resulting in modifications in the metal properties and often leading to loss of functionality of the metal, the environment or the system they operate in.

Metal + Water + Oxidising Agent = Corrosion

There are different types of corrosion, depending on the way metallic parts are affected by it:

✔ general corrosion (or widespread corrosion): when the entire surface area of the material is affected by corrosion;

✔ uniform corrosion: when corrosion affects the entire surface area of the material and causes the same amount of damage at all points of the surface;

✔ localised corrosion: corrosion affects only certain areas of the material; the area affected by corrosion may present different morphologies, such as pits, craters, cavities, pinholes, cracks;

plan view			side view
	Uniform Corrosion – general attack		
	Uniform Corrosion – uniform attack		
	Localised Corrosion		
	Pitting	pinhole	
		craters	
		cavities	
	Stress Corrosion Cracking (SCC)	Simple cracks	
		Branching cracks	
	Erosion corrosion		

Plus **Aleternum®** treatment

1) TOTAL ANTICORROSION TREATMENT

2) IDEAL FOR A BROAD PH RANGE
Steel radiators are attacked by corrosion at pH values under 8.
Cool radiators with Aleternum® treatment, instead, can even be used in systems
with lower pH values, down to **6.5**.

3) NO FORMATION OF HYDROGEN POCKETS (NO GAS)

4) PREVENTS THE RADIATOR FROM OBSTRUCTING AND FROM THE RESUL-
TING COLD SPOTS

5) LIGHTWEIGHT AND EASY TO INSTALL

6) CAN BE INSTALLED IN MIXED SYSTEMS

7) 12-YEAR WARRANTY

8) PATENTED SYSTEM

9) NO SEALS: patented connection system

10) NO INTERNAL FITTINGS

Differences between aluminium

Fondital's Aluminium

No formation of external corrosion		**EXTERNAL**
Aleternum * Internal treatment No corrosion Always clean radiator		**INTERNAL**
Always clean system water		**SYSTEM**
Double coating: Anaphoretic coating (anti-corrosion) + Powder coating (external finish)		**TYPE OF**
Patented connections between pipes and angle bars		**PATENTED**
Easy transport and assembly		**WEIGHT**
12 years		**WARRANTY**
Excellent price/quality ratio		**QUALITY**

ALUMINIUM

ANAPHORETIC COATING

POWDER

and steel

Steel (not stainless)

TREATMENT	Possible formation of external rust	☹	
TREATMENT	Formation of rust and sludge Possible system clogging	☹	
WATER	Possible formation of deposits, impurities and sludge	☹	
COATING	Powder coating only (external finish)*	☹	STEEL AIR POWDER
CONNECTION	?	🙂	?
FACTOR	Heavy	☹	
DURATION	From 2 to 5 years*	☹	
PRICE	Lower quality/price ratio	☹	

*only for brands taken into consideration

Technical specifications - Cool

Cool radiator:

The Cool model is supplied with centre distances from 400 to 600 mm.

The Cool model is supplied with heights from 858 to 1740 mm.

Double hydraulic connection available: traditional and central from below (AC acronym).

Connections: G 1/2"

Height (B):

858 - 1152 - 1488 - 1740

Centre distances (A):

400 - 450 - 500 - 550 - 600

16 pipes   23 pipes   29 pipes   35 pipes

G1/2   A   G1/2   G1/2   50   G1/2
         C
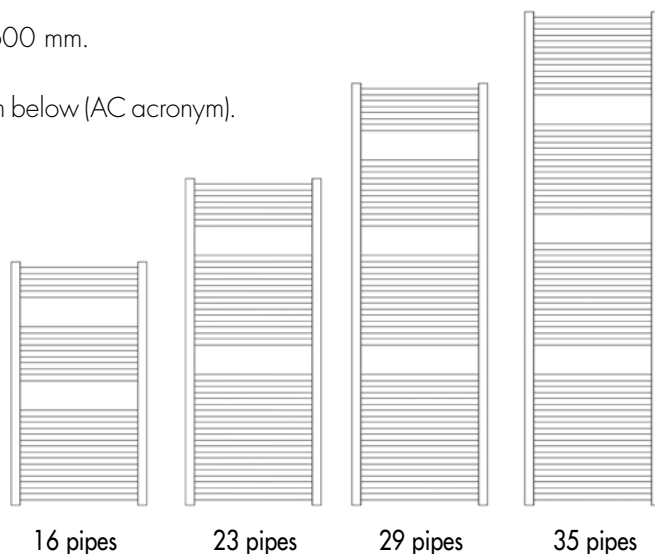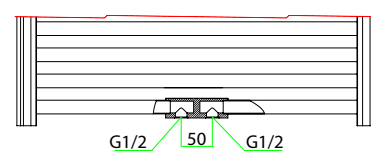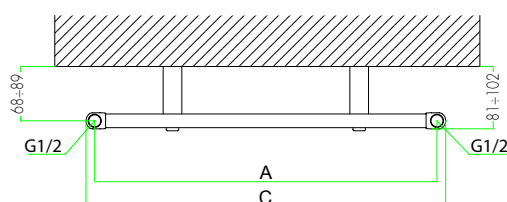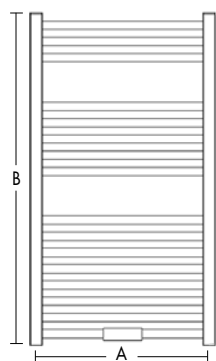
Technical specifications

Height	Model	Depth	Centre-to-centre	Width	Water content	Weight	Heat output ΔT 30 K	Heat output ΔT 50 K	Exponent	Coefficient	Price for white RAL 9010* lateral connection	Price for white RAL 9010* central connection. 50 mm
(B) mm		mm	(A) mm	(C) mm	litres	kg	W	W	n	K_m	€	€
858	860/400	26	400	428	2,4	3,0	188	348	1,2015	3,1596	113.40	126.00
	860/450		450	478	2,7	3,2	196	370	1,2443	2,8430		
	860/500		500	528	2,9	3,4	211	399	1,2468	3,0374		
	860/550		550	578	3,2	3,6	226	428	1,2492	3,2277		
	860/600		600	628	3,4	3,7	241	457	1,2517	3,4143		
1152	1160/400	26	400	428	3,4	4,2	248	458	1,2029	4,1431	127.50	140.20
	1160/450		450	478	3,8	4,5	265	502	1,2479	3,8033		
	1160/500		500	528	4,1	4,7	288	544	1,2487	4,1156		
	1160/550		550	578	4,5	4,9	310	587	1,2495	4,4259		
	1160/600		600	628	4,9	5,1	333	630	1,2502	4,7339		
1488	1490/400	26	400	428	4,4	5,2	322	595	1,2045	5,3470	155.90	168.50
	1490/450		450	478	4,8	5,7	347	658	1,2520	4,9057		
	1490/500		500	528	5,2	5,9	378	717	1,2509	5,3720		
	1490/550		550	578	5,7	6,3	410	776	1,2497	5,8423		
	1490/600		600	628	6,1	6,5	441	835	1,2486	6,3166		
1740	1740/400	26	400	428	5,3	6,2	379	707	1,2182	6,0193	170.10	182.70
	1740/450		450	478	5,7	6,7	413	778	1,2406	6,0741		
	1740/500		500	528	6,3	7,0	451	850	1,2408	6,6300		
	1740/550		550	578	6,8	7,3	489	922	1,2410	7,1851		
	1740/600		600	628	7,5	7,6	527	994	1,2412	7,7391		

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 and are certified by the MRT Lab of the Milan Polytechnic, notified body no. 1695.

Internal anti-corrosive treatment Aleternum included in the price on all models.

Fastening kit and reductions supplied: see page 28

*Coloured versions: 45% price increase on the price of a gloss white RAL 9010.

Technical specifications - eCool

The body in aluminium alloy is warranted against manufacturing defects for **5 years** from date of purchase.
Electric and electronic components are warranted for **2 years** from the date of purchase of the radiator

CLASS II
Double insulation

CE

eCool EA

The lower part houses the adjustment and control system with multifunctions controller and easy-to-reach button regardless of installation type.
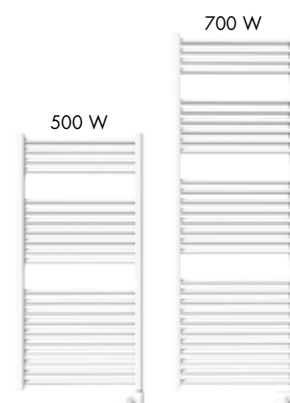
500 W

700 W

Schuko or UK plug available.

Technical specifications

Model	Output	Depth	Height	Width	Net weight	Price
	W	mm	mm	mm	kg	€
eCool EA	500	40	1143	528	8,30	**251.70**
eCool EA	700	40	1563	528	11,50	**295.50**

eCool ED

The lower part houses the backlight adjustment and control system with digital display and easy-to-reach buttons regardless of installation type.
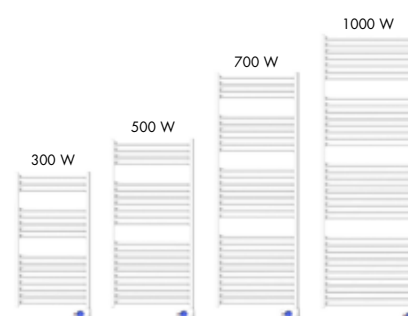
300 W

500 W

700 W

1000 W

Schuko or UK plug available.

Technical specifications

Model	Output	Depth	Height	Width	Net weight	Price
	W	mm	mm	mm	kg	€
eCool ED	300	45	933	478	6,20	**254.50**
eCool ED	500	45	1143	528	8,30	**280.90**
eCool ED	700	45	1563	528	11,50	**324.30**
eCool ED	1000	45	1815	628	15,30	**366.60**

Accessories
Cool

MINIMAL series valve
1/2" connection

Types	Colour White	Price	Colour Chrome	Price
Description	P/N	€	P/N	€
Angle valve with thermostat option, interchangeable copper and multilayer pipe connection, non-drip end	8493851	83.90	8493852	89.50
Thermostatic angle valve, interchangeable copper and multilayer pipe connection, non-drip end	8493651	42.70	8493652	45.10
Angle lockshield valve, interchangeable copper and multilayer pipe connection, non-drip end.	8493631	43.80	8493632	46.30
Angle valve with thermostat option, iron pipe connection, non-drip end	8493751	84.80	8493752	90.30
Thermostatic angle valve, iron pipe connection, non-drip end	8493551	43.60	8493552	46.10
Angle lockshield valve, iron pipe connection, non-drip end.	8493531	44.70	8493532	44.70

TONDERA series valve
1/2" connection

Types	Colour White	Price	Colour Chrome	Price
Description	P/N	€	P/N	€
Angle valve with thermostat option, copper and multilayer pipe connection, non-drip end	8496131	52.60	8496132	56.30
Thermostatic angle valve, copper and multilayer pipe connection, non-drip end	8496331	36.40	8496332	37.70
Manual adjustment angle valve, copper and multilayer pipe connection, non-drip end	8496231	35.80	8496232	39.90
Angle lockshield valve, copper and multilayer pipe connection, non-drip end	8496731	32.10	8496732	34.20
Straight valve with thermostat option, copper and multilayer pipe connection, non-drip end	8496151	56.40	8496152	60.00
Thermostatic straight valve, copper and multilayer pipe connection, non-drip end	8496351	40.20	8496352	41.50
Manual adjustment straight valve, copper and multilayer pipe connection, non-drip end	8496251	40.10	8496252	44.50
Straight lockshield valve, copper and multilayer pipe connection, non-drip end	8496751	35.90	8496752	38.00

Radiator thermostat for TONDERA series valves

Type	Colour White/Chrome	Price
	P/N	€
With liquid sensor	8480931	34.00

FITTINGS for copper pipes for MINIMAL series valves

Pipe size (Ø mm)	Colour Chrome	Price
	P/N	€
Ø 10 x 24/19	849381210	7.20
Ø 12 x 24/19	849381212	7.20
Ø 14 x 24/19	849381214	7.20
Ø 15 x 24/19	849381215	7.20
Ø 16 x 24/19	849381216	7.20
Ø 18 x 24/19	849381218	7.20

Fittings for multilayer pipes for MINIMAL series valves

Pipe size (Ø int. - Ø ext.)	Colour Chrome	Price
	P/N	€
Ø 7.5/8-12 x 24/19	84938320812	7.80
Ø 9.5/10-14 x 24/19	849383210	7.80
Ø 9.5/10-15 x 24/19	84938321015	7.80
Ø 10.5/11-15 x 24/19	84938321115	7.80
Ø 10.5/11-16 x 24/19	84938321116	7.80
Ø 11.5/12-16 x 24/19	8493832115	7.80
Ø 11.5/12-17 x 24/19	84938321217	8.30
Ø 12.5/13-17 x 24/19	84938321317	8.30
Ø 12.5/13-18 x 24/19	84938321318	8.30
Ø 13.5/14-18 x 24/19	84938321418	8.30
Ø 14.5/15-20 x 24/19	84938321520	8.30
Ø 15/15.5-20 x 24/19	849383215520	8.30
Ø 15.5/16-20 x 24/19	84938321620	8.30

FITTINGS for copper pipes for TONDERA series valves

Pipe size (Ø mm)	Colour Chrome	Price
	P/N	€
10	849481210	5.30
12	849481212	5.30
14	849481214	5.30
15	849481215	5.30
16	849481216	5.30
18	849481218	5.30

Fittings for multilayer pipes for TONDERA series valves

Pipe size (Ø int. - Ø ext.)	Colour Chrome	Price
	P/N	€
7.5/8-12 x 24/19	84948320812	6.50
9.5/10-14 x 24/19	849483210	6.50
9.5/10-15 x 24/19	84948321015	6.50
10.5/11-15 x 24/19	84948321115	6.50
10.5/11-16 x 24/19	84948321116	6.50
11.5/12-16 x 24/19	8494832115	6.50
11.5/12-17 x 24/19	84948321217	6.90
12.5/13-17 x 24/19	84948321317	6.90
12.5/13-18 x 24/19	84948321318	6.90
13.5/14-18 x 24/19	84948321418	6.90
14.5/15-20 x 24/19	84948321520	6.90
15/15.5-20 x 24/19	849483215520	6.90
15.5/16-20 x 24/19	84948321620	6.90

Accessories

FASTENING KIT with white/chrome fasteners + plugs and bleed valves for COOL

	Code	Price
		€
A 77 installation kit for COOL 3 points - white - with bleed valve and 1 plug	550124	8.70
A 78 installation kit for COOL 3 points - chrome - with bleed valve and 1 plug	550125	23.50
A 79 installation kit for COOL 3 points - white - central connection with bleed valve and 3 plugs	550126	11.40
A 89 installation kit for COOL 3 points - chrome - central connection with bleed valve and 3 plugs	550127	25.10

INCLUDED IN THE SUPPLY: A77 Fastening system and reductions

TONDERA SERIES CENTRAL CONNECTION

	Code	Price
		€
50 mm angle lockshield valve and valve with thermostat option assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: Chrome.	8496812	99.90
50 mm angle lockshield valve and valve with thermostat option assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: White RAL 9010.	8496811	92.20
50 mm angle lockshield valve and thermostat valve assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: Chrome.	8496842	80.50
50 mm angle lockshield valve and thermostat valve assembly, interchangeable copper and multilayer pipe connection, non-drip end. RH. Colour: White RAL 9010.	8496841	75.80
Reversible screw for Tondera from RH to LH	8490471	19.90

SUPPORTS COOL model

	Code	Price
		€
White supports for Cool - no.2	570135	20.30
Chrome supports for Cool - no.2	570135C	25.60

TOWEL RAIL KIT COOL model

	Code	Price
		€
Towel rail COOL 450-500-550 - White	570133	37.60
Towel rail COOL 600 - White	570134	39.20
Towel rail COOL 450-500-550 - Chrome	570133C	51.70
Towel rail COOL 600 - Chrome	570134C	55.00

eCool ED

	Code	Price
		€
Infrared remote control with wall support (batteries not included) Functions: COMFORT, NIGHT, FREEZE PROTECTION and STAND - BY	0ZTELINF00	45.00

Article code

Cool

To obtain the radiator code, it is necessary to join the code with the two final numbers concerning the finishing and the desired colour.

EXAMPLE: HOW TO OBTAIN THE CODE

Cool radiator 860/400, gloss Bianco (white) colour. **Ex: EA52A0   04**

Cool radiator 1160/500, gloss Ardesia colour. **Ex: EA52G0   2B**

MODEL	COOL (lateral connection) WHITE CODE	COOL (central connection) WHITE CODE
860/400	EA42E0 04	EA62E0 04
860/450	EA42A0 04	EA62A0 04
860/500	EA42B0 04	EA62B0 04
860/550	EA42C0 04	EA62C0 04
860/600	EA42D0 04	EA62D0 04
1160/400	EA42L0 04	EA62L0 04
1160/450	EA42F0 04	EA62F0 04
1160/500	EA42G0 04	EA62G0 04
1160/550	EA42H0 04	EA62H0 04
1160/600	EA42I0 04	EA62I0 04
1490/400	EA42Q0 04	EA62Q0 04
1490/450	EA42M0 04	EA62M0 04
1490/500	EA42N0 04	EA62N0 04
1490/550	EA42O0 04	EA62O0 04
1490/600	EA42P0 04	EA62P0 04
1740/400	EA42V0 04	EA62V0 04
1740/450	EA42R0 04	EA62R0 04
1740/500	EA42S0 04	EA62S0 04
1740/550	EA42T0 04	EA62T0 04
1740/600	EA42U0 04	EA62U0 04

MODEL	COOL (lateral connection) COLORED CODE	FINISHING/ COLOUR	COOL (central connection) COLORED CODE	FINISHING/ COLOUR
860/400	EA52E0		EA62E0	
860/450	EA52A0		EA62A0	
860/500	EA52B0		EA62B0	
860/550	EA52C0		EA62C0	
860/600	EA52D0		EA62D0	
1160/400	EA52L0		EA62L0	
1160/450	EA52F0		EA62F0	
1160/500	EA52G0		EA62G0	
1160/550	EA52H0		EA62H0	
1160/600	EA52I0		EA62I0	
1490/400	EA52Q0	**XX***	EA62Q0	**XX***
1490/450	EA52M0		EA62M0	
1490/500	EA52N0		EA62N0	
1490/550	EA52O0		EA62O0	
1490/600	EA52P0		EA62P0	
1740/400	EA52V0		EA62V0	
1740/450	EA52R0		EA62R0	
1740/500	EA52S0		EA62S0	
1740/550	EA52T0		EA62T0	
1740/600	EA52U0		EA62U0	

*The two final numbers change according to chosen finishing/colour.
Please note: For white pearl finish use the codes of coloured versions and add the final tag **4M**.

eCool

MODEL	eCOOL EA
500	FCA0M1YA50
700	FCA0M1YA70

MODEL	eCOOL ED
300	FCA0M1YD30
500	FCA0M1YD50
700	FCA0M1YD70
1000	FCA0M1YDA0

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QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =**

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