



Gabarrón

MATHIUS

ELECTRIC

IN HEATING



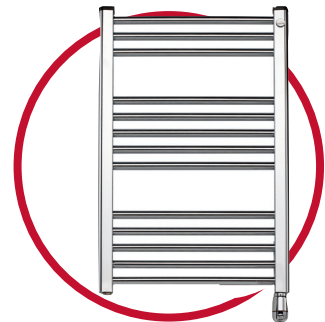
THERMAL RADIATORS



STORAGE HEATERS



PANEL HEATERS



TOWEL RAILS



CENTRAL HEATING BOILERS

THERMAL RADIATORS

ELNUR Thermal radiators do not need liquid or gaseous fuels, they do not produce any type of combustion or emission to the atmosphere. They use electricity as the most safe, clean, ecological and economic option in the market, taking advantage of 100% of the consumed energy.

Perfect individual central heating, with programmable switch-on timer and temperature for each room: hour by hour and day by day functioning on the Day, Night and Frost protection mode.

The use of low viscosity thermal fluid also increases the overall caloric performance to the aluminium radiator giving optimum thermal transmission.

The natural convection of the air through the radiator allows perfect heat distribution.

It maintains a low external temperature which does not eliminate moisture in the air, no burns by contact and highly comfortable air ambience.

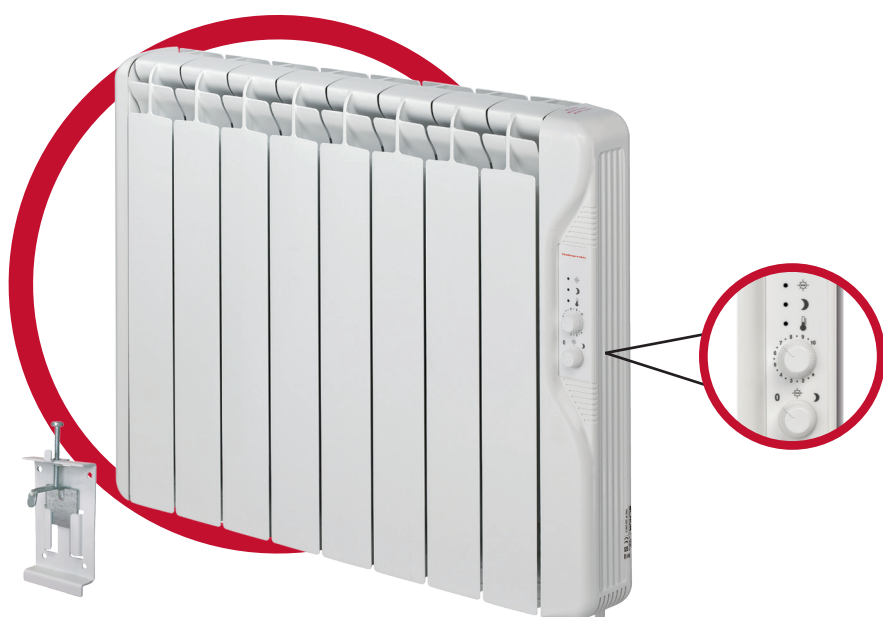
No need for maintenance as it has no boiler or pipes; no breakdowns due to lime accumulation; no water loss caused by leaks or faulty welding.

The patented and uniquely designed wall fixing bracket allows the radiator to be installed and levelled quickly and easily.

Along with the stylish aesthetics and excellent finish the thermal radiator will blend in with any décor and can be easily maintained and cleaned.

Analogue control (RFP range)

To satisfy customers' requests, **ELNUR** offer a basic range for those who do not need a programmer but an easy analogue control. In this sense the RFP range includes an ON-OFF switch and built-in ambient thermostat to manually control the temperature.



- Built-in ambient thermostat.
- On - Off Switch.
- Luminous indicator.
- Thermal safety cut out.
- Ratings from 500W to 2000W.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Unique wall fixing brackets included.
- Fitted with mains cable.
- Low viscosity thermal fluid made by Shell to increase the thermal transmission.
- Mode selector, 3 modes of operation:
DAY - standard,
NIGHT - Temperature reduction for economic performance and
FROST PROTECTION.
- Optional casters on request

RFP MANUAL Specifications

Model	Rating	Dimensions (mm)
RF4P	0.5 kW	H 580 x W 415 x D 125
RF6P	0.75 kW	H 580 X W 575 X D 125
RF8P	1 kW	H 580 x W 735 x D 125
RF10P	1.25 kW	H 580 x W 895 x D 125
RF12P	1.5 kW	H 580 x W 1055 x D 125
RF14P	2 kW	H 580 x W 1215 x D 125

Digital control with programmer (RFE range)

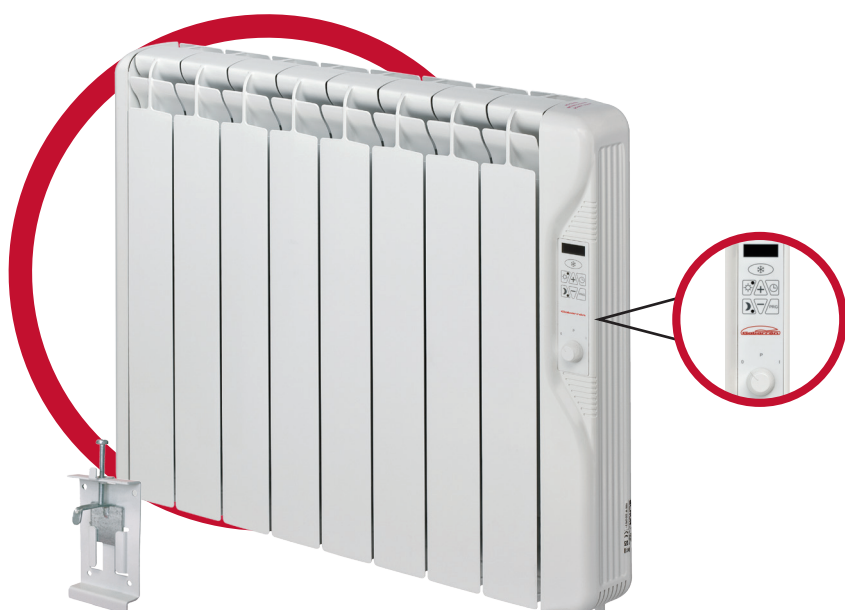
RFE thermal radiators allow numerous and easy functions for you to use different performance modes. They have been created to satisfy all the heating needs you may have.

Normally, traditional heating solutions do not allow a precise temperature management. RFE range permits an accurate temperature control of the room where they are installed.

RFE thermal radiators have an electronic chrono-thermostat that allows you to set the ideal temperature during the day or the night.

They also have an electronic programmer which allows you to preset the operation mode each 30 minutes of the day, every day of the week.

These functions cover your needs and help you to have precise control in the different areas of your house: dining room, bedrooms, kitchen, bathroom... You can create your own programme depending on the use you give to each area.



- Choice of two different sizes: 580 and 430 mm.
- Built in electronic ambient thermostat $\pm 0.1^{\circ}\text{C}$.
- Weekly / daily programmer.
- Digital temperature selector.
- Mode selector, 3 modes of operation: DAY - standard, NIGHT - Temperature reduction for economic performance and FROST PROTECTION.
- Digital display for Clock, Selected temperature, Room temperature, Programming, etc.
- Flat keyboard for easy cleaning.
- Thermal safety cut out.
- Ratings from 500W to 2000W.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Unique wall fixing brackets included.
- Fitted with mains cable.
- Keyboard locking system.
- Low viscosity thermal fluid made by Shell to increase the thermal transmission.
- Optional casters on request.

**10 YEAR
GUARANTEE**

**2 YEARS
ELECTRONIC COMPONENTS**

RFE DIGITAL TIMER Specifications

Model	Rating	Dimensions (mm)
RF4E	0.5 kW	H 580 x W 415 x D 125
RF6E	0.75 kW	H 580 x W 575 x D 125
RF8E	1 kW	H 580 x W 735 x D 125
RF10E	1.25 kW	H 580 x W 895 x D 125
RF12E	1.5 kW	H 580 x W 1055 x D 125
RF14E	2 kW	H 580 x W 1215 x D 125
RFC7E	0.75 kW	H 430 x W 655 x D 125
RFC9E	1 kW	H 430 x W 815 x D 125
RFC11E	1.25 kW	H 430 x W 975 x D 125
RFC14E	1.5 kW	H 430 x W 1215 x D 125

NEW GENERATION OF THERMAL RADIATORS - DRY TECHNOLOGY

RKSH and RKSL series provide a very accurate temperature control and electricity consumption.

Both series are compatible with Pilot Wiring Central Controllers and Mains Borne Central Controllers.

Unlike the RF family of thermal radiators, the RK models are "dry" in that they do not use any oil for heat transmission.

It is based in a primary heat transmitter, this energy is taken by a secondary element that transfers heat, amplifying the surface that radiates the heat.

Perfect individual central heating, with programmable switch-on timer and temperature for each room: hour by hour and day by day functioning on the DAY, NIGHT and FROST protection mode.

The natural convection of the air through the radiator allows perfect heat distribution.

Thermal radiation is optimised and guided to the front side, minimising the heat loss to the exterior.

It maintains a low external temperature which does not eliminate moisture in the air: no burns by contact, and highly comfortable air ambience. It does not need maintenance as it has no boiler or pipes; no breakdowns due to lime accumulation; no water loss caused by leaks or faulty welding. The patented and uniquely designed wall fixing bracket allows the radiator to be installed and levelled quickly and easily.

Thermal Radiators, Digital control (RKSH range)

To satisfy customers' requests, **ELNUR** offer a basic range for those who do not need a programmer but an easy digital control.

In this sense the RKSH range includes an ON – OFF switch and built in ambient thermostat to manually control the temperature.



- Digital ambient thermostat $\pm 0.1^{\circ}\text{C}$
- Digital temperature selector
- Mode selector:
DAY - with comfort temperature
NIGHT - with temperature reduction by 3°C
and FROST PROTECTION
- LCD display
- Thermal safety cut out
- Ratings from 500W to 2000W.
- Fitted with mains cable
- Ion-Lithium battery
- Keyboard security lock
- Optional modification of the temperature sensor
- Electronic triac control optimiser
- Compatible with Pilot Wiring Central Controllers and Mains Borne Central Controllers

RKSH Specifications

Model	Rating	Dimensions (mm)
RKS4Hi	0.5 kW	H 580 x W 415 x D 100
RKS6Hi	0.75 kW	H 580 X W 575 X D 100
RKS8Hi	1 kW	H 580 x W 735 x D 100
RKS10Hi	1.25 kW	H 580 x W 895 x D 100
RKS12Hi	1.6 kW	H 580 x W 1055 x D 100
RKS14Hi	2 kW	H 580 x W 1215 x D 100

Radiators, Digital control with programmer (RKSL range)

RKSL radiators allow numerous and easy functions for you to use different performance modes. They have been created to satisfy all the heating needs you may have.

RKSL range permits an accurate temperature control of the room where they are installed.

RKSL radiators have an electronic chrono-thermostat that allows you to set the ideal temperature during the day or the night.

They also have an electronic programmer which allows to preset the operation mode.

These functions cover your needs in every moment or situation and helps you to have a precise control in the different house areas. You can create your own programme depending on the use you give to each area.

- Digital ambient thermostat $\pm 0.1^{\circ}\text{C}$
- Digital temperature selector
- Mode selector:
DAY - with comfort temperature
NIGHT - with temperature reduction by 3°C
and FROST PROTECTION
- LCD display
- Thermal safety cut out
- Ratings from 500W to 2000W.
- Fitted with mains cable
- Weekly/Daily programmer
- Keyboard security lock
- Optional modification of the temperature sensor
- Electronic triac control optimiser
- IR receptor compatible with remote control TPG-IR
- Compatible with Pilot Wiring Central Controllers and Mains Borne Central Controllers



RKSL Specifications

Model	Rating	Dimensions (mm)
RKS4L	0.5 kW	H 580 x W 415 x D 100
RKS6L	0.75 kW	H 580 x W 575 x D 100
RKS8L	1 kW	H 580 x W 735 x D 100
RKS10L	1.25 kW	H 580 x W 895 x D 100
RKS12L	1.6 kW	H 580 x W 1055 x D 100
RKS14L	2 kW	H 580 x W 1215 x D 100

STORAGE HEATERS

Storage heaters are the ideal heating solution for many homes. They are particularly cost effective.

By storing heat at the cheapest tariff, usually at night, they can save a huge percentage of your electricity bill and heat your home for 24 hours a day at an unbeatable cost.

Storage heaters are timed to consume electricity when the night tariff starts and turn off when this finishes, offering 24 hours of pure comfort.

This product heats a ceramic block, made of high density magnetite bricks, specifically chosen for their capacity to absorb and store heat.

The heat stored at night is gradually released into the room during the day, until the following evening when the storage heater switches on again.

ELNUR storage heaters have controls that allow you to vary how much heat they store and release, depending on the time of the year and temperature needed. They also have a device to allow you to control how quickly they release their stored heat.

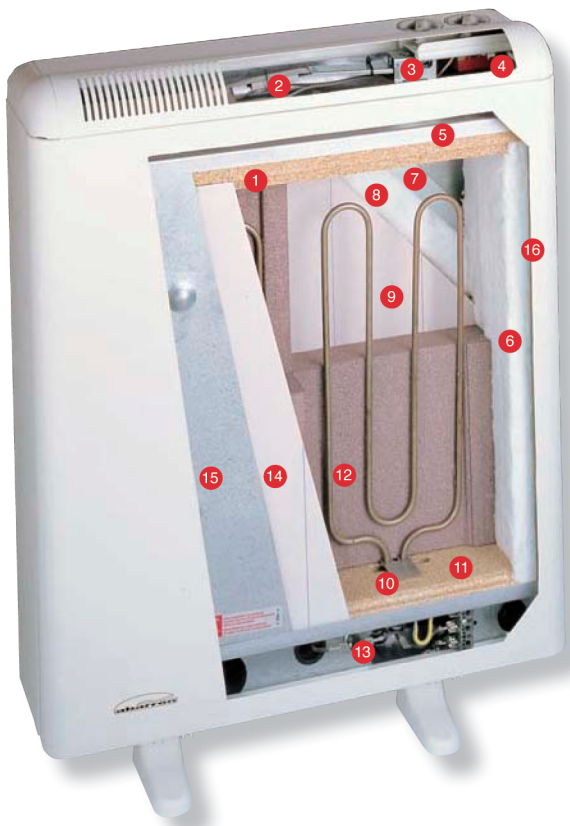
Besides this, our storage heaters come equipped with a security device to prevent overheating if the grilles are accidentally covered by clothes or any other objects.

There are two types of storage heaters which differ in the way they give out heat:

- Static storage heaters give heat through their surface and by natural convection
- Dynamic storage heaters circulate warmth by blowing air into a room through a fan.

In the home, dynamic storage heaters work well alongside static storage heaters. It is common to find dynamic models in living-rooms and static versions in bedrooms, halls and passageways.

Section of an ADX-168 Storage Heater



- 1 Vermiculite insulation.
- 2 Automatic damper control.
- 3 Bimetal regulator.
- 4 Charging thermostat.
- 5 Charging sensor phial.
- 6 Lateral insulation of ecological fibre.
- 7 Rear air chamber.
- 8 Rear insulation of ecological fibre.
- 9 Rear Microtherm G insulation
- 10 Heating elements.
- 11 Lower vermiculite insulation.
- 12 High density magnetite refractory.
- 13 Safety thermostat.
- 14 Front Microtherm G insulation
- 15 Front air chamber.
- 16 Side air chamber.

**5 YEAR
GUARANTEE
STORAGE
HEATERS**



STORAGE SH RANGE

Manual and automatic slimline storage heaters are ideal for low cost tariffs with easy to use top positioned controls. Installation is quick and simple with many features to aid the installer.

Model	Rating	Dimensions (mm)	Bricks
SH6M	0.8kW / 6kWh	H:730 x W:315 x D:150	4
SH12M	1.7kW / 12kWh	H:730 x W:540 x D:150	8
SH18M	2.55kW / 18kWh	H:730 x W:765 x D:150	12
SH24M	3.40kW / 24kWh	H:730 x W:990 x D:150	16
SH12A	1.7kW / 12kWh	H:730 x W:540 x D:150	8
SH18A	2.55kW / 18kWh	H:730 x W:765 x D:150	12
SH24A	3.40kW / 24kWh	H:730 x W:990 x D:150	16



STORAGE ADX RANGE

These attractive automatic slimline storage heaters offer the same benefits as the SH range. The soft rounded design will complement most rooms and the patented dual sensor ensures the level of charge is automatically adjusted to compensate for changing weather.

Model	Rating	Dimensions (mm)	Bricks
ADX 84	0.85kW / 6kWh	H:730 x W:315 x D:150	4
ADX 168	1.7kW / 12kWh	H:730 x W:540 x D:150	8
ADX 2412	2.55kW / 18kWh	H:730 x W:765 x D:150	12
ADX 3216	3.40kW / 24kWh	H:730 x W:990 x D:150	16



STORAGE (PROGRAMMER)

Complying with new electricity tariffs, the SH range with a built-in timer to control the charge input offers flexibility of installation giving the option of a storage heater where standard models cannot be used. The range incorporates an automatic dual sensor and a simple to use timer at the base of the heater.

Model	Rating	Dimensions (mm)	Bricks
SH6MT	0.85kW / 6kWh	H:730 x W:315 x D:150	4
SH12AT	1.7kW / 12kWh	H:730 x W:540 x D:150	8
SH18AT	2.55kW / 18kWh	H:730 x W:765 x D:150	12
SH24AT	3.40kW / 24kWh	H:730 x W:990 x D:150	16



COMBINED STORAGE

A range of three automatic storage heaters with integral convector heater. The convector has independent thermostatic control to supplement the stored heat, or can be used when the storage heater is switched off. Controls are conveniently positioned at the top of the heater, with installation similar to the storage heater range.

Model	Rating	Dimensions (mm)	Bricks
CSH12A	1.7/1.0kW	H:730 x W:540 x D:185	8
CSH18A	2.55/1.5kW	H:730 x W:765 x D:185	12
CSH24A	3.4/1.5kW	H:730 x W:990 x D:185	16



FAN STORAGE

Fan storage heaters take advantage of low cost electricity tariffs in the same way as standard storage heaters. The double thickness insulation material holds the stored heat very efficiently and is released by a low speed fan operated by a room thermostat. This allows greater control of room temperature.

Model	Rating	Dimensions (mm)	Bricks
ADL-2012	2kW/16kWh	H:660 x W:630 x D:240	12
ADL-3018	3kW/24kWh	H:660 x W:810 x D:240	18
ADL-4024	4kW/32kWh	H:660 x W:990 x D:240	24

PANEL HEATERS

**5 YEAR
GUARANTEE
PANEL
HEATERS**



PHM – MANUAL CONTROLS

This range of low cost panel heaters offers a simple to use thermostatic control positioned on the front panel with on / off switch. Easy to install, the PHM is an ideal heater for every situation around the home or office.

Model	Rating	Dimensions (mm)	Control
PHM075	0.75kW	H: 410 x W: 410 x D: 100	Manual
PHM125	1.25kW	H: 410x W: 560 x D: 100	Manual
PHM150	1.50kW	H: 410 x W: 635 x D: 100	Manual
PHM200	2kW	H: 410 x W: 785 x D: 100	Manual



PH – MANUAL CONTROLS

The PH range is similar in design to the PHM range, except the controls are enclosed in a separate compartment with sprung clear door offering protection from young children tampering with the controls. These models also have a half heat option (except model PH075), thermostatic control and on / off switch.

Model	Rating	Dimensions (mm)	Control
PH075	0.75kW	H: 410 x W: 410 x D: 100	Manual
PH125	1.25kW	H: 410x W: 560 x D: 100	Manual
PH150	1.50kW	H: 410 x W: 635 x D: 100	Manual
PH200	2kW	H: 410 x W: 785 x D: 100	Manual



PH – TIMER CONTROLS

The timer models are similar in design to the manual PH range with the addition of a 24 hour mechanical timer. Controls include a thermostat, half heat option (except model PH075T), and on / off switch.

Model	Rating	Dimensions (mm)	Control
PH075T	0.75kW	H: 410 x W: 410 x D: 100	Timer
PH125T	1.25kW	H: 410x W: 560 x D: 100	Timer
PH150T	1.50kW	H: 410 x W: 635 x D: 100	Timer
PH200T	2kW	H: 410 x W: 785 x D: 100	Timer

TOWEL RAILS

(TBB and TBC ranges)

Several sizes are available in a choice of white or chrome finish, making them suitable for almost any size or style of bathroom.

TBB comes with a control for turning the rail on, controlling the temperature or putting it on timed.

As well as heating your bathroom, it will also dry your towels quickly.

It is a perfect addition to your central heating system.

TBB and TBC towel rails come fully equipped with an electronic thermostat that allows you to maintain a stable heat, guaranteeing warmth and low running costs.

TBB towel rails can be switched on for one to two hours constant heat. This allows you to dry your towels quickly.

TB and TC models have no controls.

- IP44 protection.
- Low density thermal fluid.
- Security thermal cut out.
- Electronic thermostat.
- Mode selector, 3 modes of operation including FROST PROTECTION.
- High security wall fixing brackets included.
- Fitted with mains cable.
- Versions in white (TBB) RAL 9010 and chrome (TBC).
- Booster control 1H, 2H (TBB).
- Class II (TBB).
- Keyboard locking system (TBB).



Control keyboard for TBB range, 300W and 600W.

Model	Colour	Rating	Dimensions (mm)	Control
TBB8	White	300w	H: 870 x W: 500 x D: 80	Electronic Thermostat / Boost
TBC8	Chrome	300w	H: 870 x W: 500 x D: 80	Electronic Thermostat
TBB12	White	600w	H: 1280 x W: 500 x D: 80	Electronic Thermostat / Boost
TBC12	Chrome	500w	H: 1280 x W: 500 x D: 80	Electronic Thermostat
TB150	White	150w	H: 700 x W: 500 x D: 80	No Controls
TC150	Chrome	150w	H: 800 x W: 500 x D: 80	No Controls

DIGITAL MODULATING BOILERS FOR HEATING AND DOMESTIC HOT WATER

Elnur electric boilers offer you the opportunity to enjoy the safety and convenience of electric energy.

They are the ideal option when a totally safe and efficient central heating system is required in both 3 x 400V+N~ and 230V~. The boiler is compatible for one or three phases by using the bridge connection (included) in the terminal block.

The entire range of Elnur boilers can be used with hot water radiators or with radiant floor heating, with room or programmable thermostats, and unlike other boilers, they do not require yearly maintenance or safety inspections.

All the components required for the operation and installation are supplied with the boiler. Installations do not require venting or gas outlets which may compromise the insulation of your home.

These electronic boilers from Elnur are completely silent thanks to their TRIAC-based technology. Moreover, they have a modulating operation which, combined with a good exterior programmable thermostat (see accessories), adapts the heating power to the needs of the system, achieving maximum energy efficiency and a considerable saving in consumption.

The maximum power can be limited to any of the modulation levels.

The different temperature, flow and consumption sensors ensure a safe and reliable operation.

The stainless steel cylinder in the CMX models guarantees a long, corrosion-free life, reducing the need for maintenance and periodic replacement of anodes.

The keys are easy to clean and highly intuitive when used.

The digital display constantly shows the temperature of the circulating heating water and of the Domestic Hot Water (DHW) tank.

Adjustment of the heating and DHW is made easier by using individual keys to increase or decrease the temperature. You can disconnect the heating system in summer and both keypads can be locked to prevent any changes.

The electronic control of the circulation pump prevents blockage during long periods of inactivity.

CM15 and CM18 ranges, heating



- Heating boiler made of insulated steel
- Stainless steel shielded elements INCOLOY800
- 6L heating expansion vessel
- Modulating electronic control of the heater
- Digital display
- Hydrometer 0-4bar
- Circulating pump
- Auto air vent
- Silent TRIAC power switches
- Heating flow detector
- Heating temperature limiter 100°C
- Heating pressure relief valve 7 kg/cm²
- Room thermostat inlet
- Optional under floor heating kit (hydronics)
- Powder coated RAL 9010

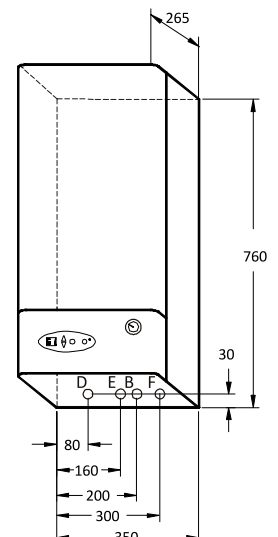
DIMENSIONS AND CONNECTION

B – Drainage safety valve

D – 3/4" heat return

E – 3/4" heat supply

F - Electrical connection

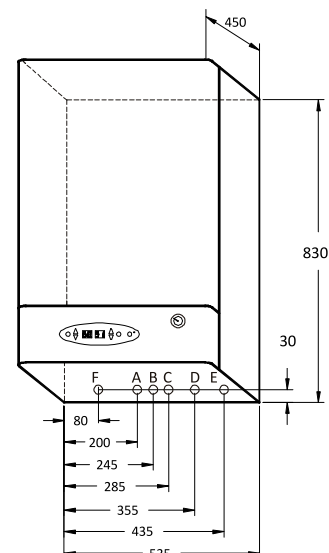


CMX15 and CMX18 ranges, heating and domestic hot water (DHW)



DIMENSIONS AND CONNECTION

- A – 1/2" cold water inlet
- B – Drainage safety valve
- C – 1/2" DHW outlet
- D – 3/4" heat return
- E – 3/4" heat supply
- F - Electrical connection



- Heating boiler made of insulated steel.
- 50L DHW cylinder made of insulated stainless steel without CFCs.
- Stainless steel shielded elements INCOLOY800 for HEAT and DHW.
- 6L heating expansion vessel.
- 2L DHW potable water expansion vessel.
- Modulating electronic control of the heater.
- DHW electronic regulation.
- Digital display.
- Hydrometer 0-4 bar.
- Circulating pump.
- Auto air vent.
- Silent TRIAC power switches.
- Optional under floor heating kit (hydronics).
- Heating flow detector.
- Heating temperature limiter 100°C.
- DHW temperature limiter 80°C.
- Heating pressure relief valve 3 kg/cm².
- DHW pressure relief valve 7 kg/cm².
- Heating circuit inlet valve and filling valve.
- Room thermostat inlet.
- DHW anti-electrolysis hoses.
- Powder coated RAL 9010

ACCESSORIES



Ambient Thermostat, TA3

Neon function indicator.
On/Off switch.
Temperature range: 5°C to 30°C.
Recommended for Dynamic storage heaters and electrical boilers.

Model	Range	Accuracy	Max. input	Voltage
TA3	+5°C to 30°C	± 0.5°C	10A	230V~



Wired Digital programmable room thermostat, CPT-10

Programmable room thermostat.
Optimised ergonomics. Temperature control of a zone.
Recommended for Dynamic Storage Heaters and electric Boilers.

Model	Range	Accuracy	Dimensions
CPT10	+5°C to 30°C	± 0.25°C	135x80x20mm



Gabarrón MATHIUS

ELNUR UK LTD

16 Brown Street North
Leigh
Lancashire
WN7 1BU

Tel: 01942 670119

Fax 01942 262221

Email: esales@elnur.co.uk

Web: www.elnur.co.uk



In order to continually improve the quality of our company's products, Elnur reserves the right to make technical changes without prior notice.

©2011

