



# MODULATING ELECTRIC BOILERS

FOR HEATING AND DOMESTIC HOT WATER  
OR ONLY HEATING

**GABARRÓN** ranges electric boilers offer you the opportunity to enjoy the safety and convenience of electricity.

They are the ideal option when a totally safe and efficient central heating system is required.

The entire range of GABARRÓN boilers can be used with hot water radiators or with radiant floor or overhead heating. They also offer the option of programmable ambient thermostats or chrono-thermostats that are available as accessories.



## DIGITAL MODULATING ELECTRIC BOILERS

Modulation in electric boilers was unthinkable some years ago. Controlling the flow was more straightforward for non-electric heating systems such as gas or even diesel for industrial facilities. Modulating electric heating was rather more of a challenge. There was no technology that modulated electricity consumption up until now.

Thus, **ELNUR**'s effort's in research and continuous improvement, resulted in launching the first digital modulating boilers for the domestic market.

Today, five years later, we continue to be the only ones in the market offering this innovative product that regulates energy consumption according to the heating needs of the installation at all times.

The modulating feature of the GABARRÓN electric boilers is managed by a **Smart Electronic Modulating System (SEM)**. It applies TRIAC technology combined with an external chrono-thermostat to continuously adapt the heating capacity to the heating needs of the premises, thus achieving 100% energy efficiency and overall savings in energy costs.

Gabarrón electric boilers come in two power capacity ranges. While the CM15 models can be limited to any output between 3 and 15 kW, the CM18 and CMX18 can do so between 3 and 18 kW.

This range of modulating boilers is available both as heating boilers and as heating and domestic hot water (DHW) boilers.

The boilers come fitted with all the components required to operate the unit. You only need water inlets and outlets, along with an electrical socket. You will just need an external ambient thermostat connected to the electronic card to trigger the **SEM system (Smart Electronic Modulating System)**. You can find some of the thermostat options in the accessories section of this catalogue.

GABARRÓN digital boiler models can be fitted to both 3X400V+N three-phase and 230V~ single-phase networks, just by fitting the connector bridge that you will find inside, to the terminal blocks.

## 100% SAFE

Electric heating is one of the cleanest and safest systems nowadays.

None of our boilers emit gasses or direct pollution when operating. They do not operate using fuels such as gas or diesel and there is therefore no risk of leaks or explosions.

Given its straightforward installation and operating, this range of electric boilers, unlike others, do not need any type of regular servicing or inspections, which is more convenient and saves on unnecessary costs.

GABARRÓN boilers do not require complex maintenance and they are even programmed to prevent the blocking of the circulation pump due to stagnant water after long periods of inactivity. The Anti-Blocking Control will run for short bursts of time during those periods of inactivity.

The stainless steel water tank of the mixed CMX models guarantees a long corrosion-free life, reducing the need for periodic servicing and replacement of anodes.

The different sensors that come with this range of boilers, such as the temperature, flow and consumption sensor, guarantee a problem-free and safe operation.

## INTUITIVE HANDLING AND USER FRIENDLINESS

The digital displays always show the circulation temperature of the heating water and of the Domestic Hot Water (DHW) tank.

The heating and DHW temperature levels are extremely easy to adjust by using the plus or minus keys to increase or decrease those temperatures.

The heating system in the mixed model can be disconnected in summer.

The keypads in both types of boilers can be locked to prevent any changes.



## CMX / CMXP RANGE

Digital, modulating, for heating and domestic hot water



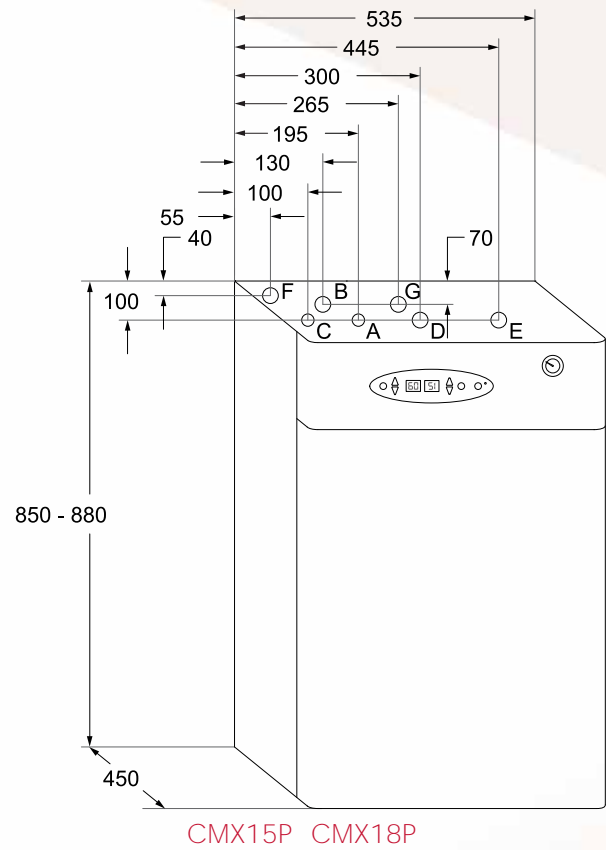
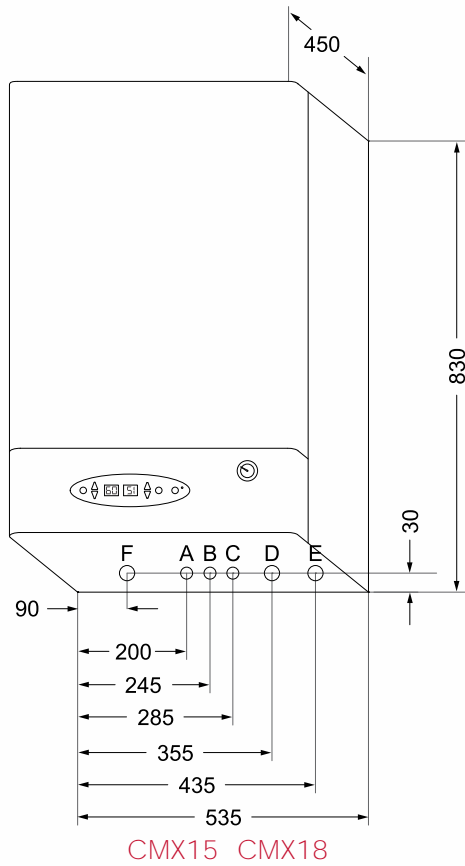
CMX15 wall mounted



CMX15P stand alone

### Technical features

- ▶ Wall mounted heating boiler made of insulated steel (CMX15).
- ▶ Floor standing heating boiler made of insulated steel (CMX15P).
- ▶ **SEM system** (Smart Electronic Modulating System).
- ▶ 50L DHW cylinder made of insulated stainless steel without CFC.
- ▶ 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 0-4bar.
- ▶ 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/cm<sup>2</sup>.
- ▶ DHW pressure relief valve 7 kg/cm<sup>2</sup>.
- ▶ Heating circuit inlet valve and filling valve.
- ▶ DHW anti-electrolysis hoses.
- ▶ Powder coated RAL 9010.
- ▶ Wall bracket steel template to set up connections easily (CMX15).
- ▶ Compatible with Ambient Thermostats TA3, CPT10 and X2D available as accessory.
- ▶ Compatible with standard power managers (RG90, GReyder) offered as accessory.



### Dimensions and connections:

- 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



MODEL	CMX15 - CMX15P												
Selectable output	kW	3	4	5	6	7	8	9	10	11	12	13	15
kcal/h	kcal/h	2580	3440	4300	5160	6020	6880	7740	8600	9460	10320	11180	12900
Current 3x400 V+N~	A	13.0	8.7	13.0	8.7	13.0	13.0	13.0	21.7	21.7	21.7	21.7	21.7
*Current 230 V~	A	13.0	17.4	21.7	26.1	30.4	34.8	39.1	43.5	47.8	52.2	Ask	Ask
**Time available DHW	min	29'04"	21'48"	17'26"	14'32"	12'27"	10'54"	9'41"	8'43"	7'56"	7'16"	6'42"	5'49"

MODEL	CMX15	CMX15P	
Voltage	V	3x400 V+N / 220-240	3x400 V+N / 220-240
Frecuency	Hz	50-60	50-60
Insulation		Class I	Class I
Net Weight	kg	57	57
Units per pallet			
- 1300x1000	mm	8	8
EAN 13		8432336804304	8432336804403

\*Using included bridge connection  
 \*\*Time in minutes remaining available on DHW.





*"A safe and warm ambience at your home"*

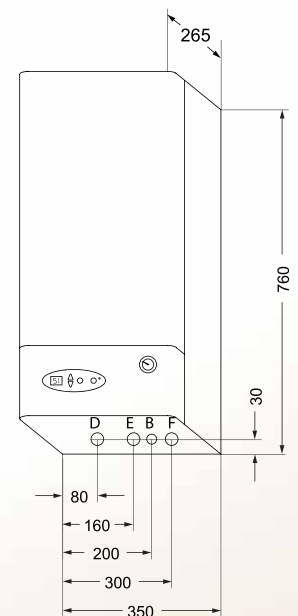
# CM RANGE

Digital Modulating, only heating



## Technical features

- ▶ Wall mounted heating boiler made of insulated steel.
- ▶ Modulating electronic control of the heater by **SEM system** (Smart Electronic Modulating System).
- ▶ Stainless steel shielded elements INCOLOY 800.
- ▶ 6L heating expansion vessel.
- ▶ 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/cm<sup>2</sup>
- ▶ Optional under floor heating kit (hydronics).
- ▶ Powder coated RAL 9010 steel structure.
- ▶ Wall bracket steel template to set up connections easily.
- ▶ Compatible with Ambient Thermostats TA3, CPT10 and X2D available as accessory.
- ▶ Compatible with standard power managers (RG90, GREYDER) offered as accessory.



### Dimensions and connections:

- B drainage safety valve
- D 3/4" heat return
- E 3/4" heat supply
- F electrical connection



MODEL		CM15												
Selectable output	kW	3	4	5	6	7	8	9	10	11	12	13	15	
kcal/h	kcal/h	2580	3440	4300	5160	6020	6880	7740	8600	9460	10320	11180	12900	
Current 3x400 V+N~	A	13.0	8.7	13.0	8.7	13.0	13.0	13.0	21.7	21.7	21.7	21.7	21.7	
*Current 230 V~	A	13.0	17.4	21.7	26.1	30.4	34.8	39.1	43.5	47.8	52.2	Ask	Ask	

\*Using included bridge connection.

MODEL		CM15
Voltage	V	3x400 V+N / 220-240
Frecuency	Hz	50-60
Insulation		Class I
Net Weight	kg	29.5
Units per pallet		
- 1200x1000	mm	20
EAN 13		8432336804205