



E.C.A.
CALORA
PREMIX



TOGETHER FOR YEARS



Technical Design Properties

- 14-20-24-28-30-35 kW capacities
- Usage ability with Natural Gas and LPG
- 107,5% efficiency
- ErP A energy efficiency class
- ErP regulation compatible
- Eco and Comfort modes for the Central Heating
- 1/4 Modulation rate
- Low NOx and CO emissions
- With the help of a energy efficient automic purger equipped circulation pump, less energy consumption and compatibility with every space
- High combustion efficiency with stainless steel burner and low waste gas emission
- Protection of the fitting and combi boiler by the help of the automatic by-pass system
- Protection against freezing
- “Pump over-run” feature that prevents thermal piling up within the fitting
- The burner thickness is 3.2 mm and the flame shows homogeneous distribution on the entire surface
- Plated exchanger in order to get hot water at a high comfort level
- Feed forward feature of potable water and ability to get water at constant temperature via the turbine system
- Minimal dimensions to fit in (678 mm x 410 mm x 288 mm)
- Large display, white LCD illumination integrated with ergonomically designed electronic card
- Ergonomic control panel design
- Design that facilitates servicing and maintenance
- The rear cover of the control panel is flexible; thus, intervention without completely removing the cover is possible.
- Silent Operation (<49 dB)
- 2 functions in 1 electrode (ignition - ionization)
- Compact Full Hermetic Structure
- Single body for 60/100 mm and 80/125 chimneys.
- TTSE, CE and WRAS approved
- Ability to connect room thermostat, external weather temperature sensor and timer
- Control availability with iOS and Android applications via the smart room thermostat (Optional)
- Pressured System Solar Energy Support (Optional)

CAPACITY	14-20-24-28-30-35 kW
MODELS	Combi Boiler (HM) CH Only (HCH) System Boiler (HST)
FLUE TYPE	C and B Types
GAS TYPE	Natural Gas/ LPG

Superior Safety Systems

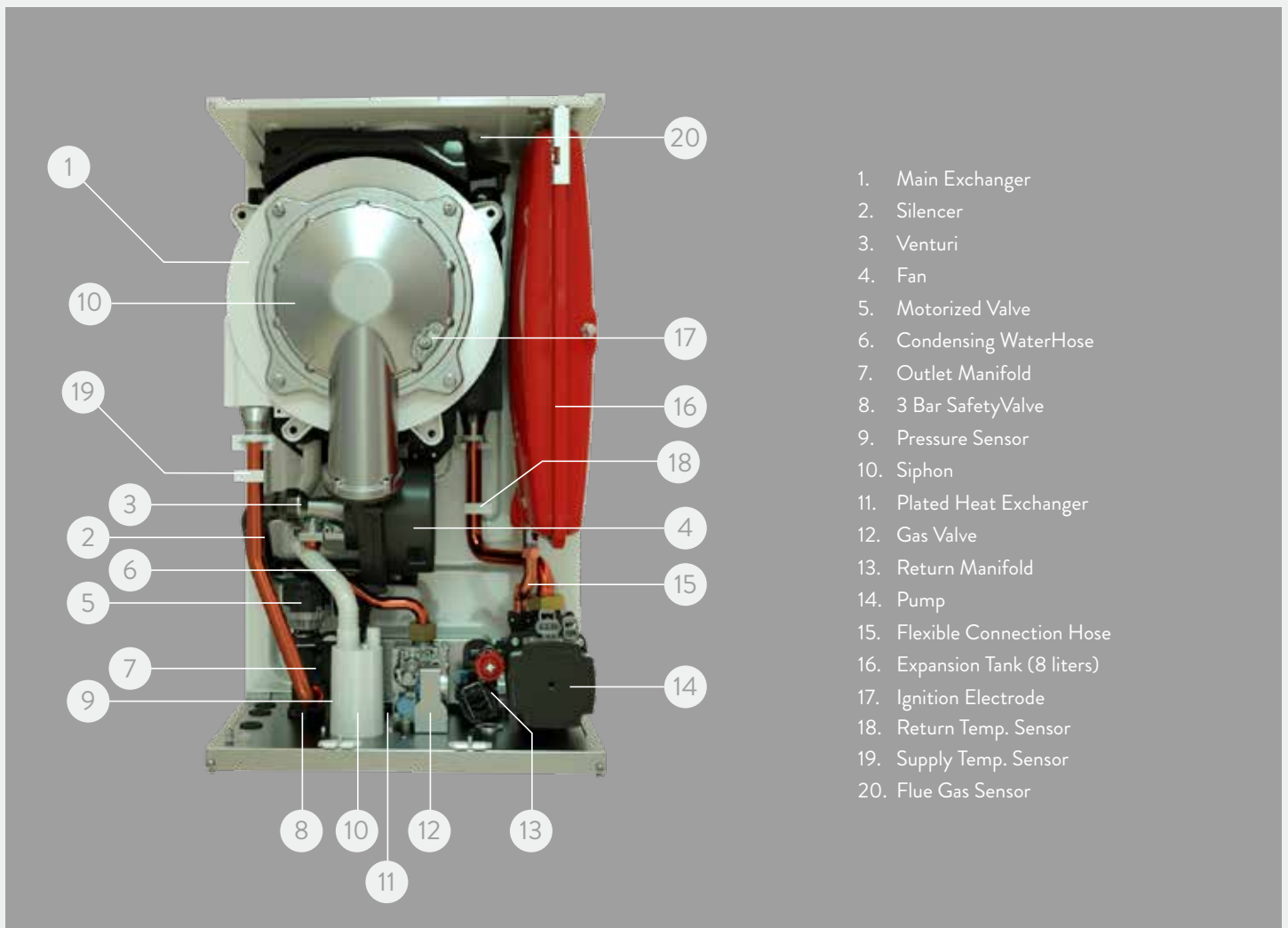
1. High Water Pressure (3 bar) safety unit protects both the central heating system and the combi boiler against overpressure
2. Low Water Pressure (0,4 bar) safety unit switches the combi boiler off when the water pressure is low
3. Expansion Tank (8 l) compensates expansion of the hot water circulating within the central heating system
4. Flame Loss Protection
5. Pump Blockage unit protects the pump against blockage risk after it remains idle for a long time
6. 3-Way Blockage Protection unit for monothermic models
7. Automatic Air Purger for the pump
8. Over Heating Protection Unit for DHW (71 °C)
9. Over Heating Protection Unit for Flue Gas (95 °C)
10. Over Heating Safety Unit for CH (95 °C)
11. Low Voltage Safety Unit (170 VAC)
12. Internal By-Pass System
13. Anti-Freeze Protection
14. Hall Effect Flow Sensor Detection
15. Ingress of Water Protection from Air Inlet Side of Chimney
16. Annual Maintenance Reminding System



How to Adjust...



1. **Position Selection Button** The position can be changed by pressing the position selection button once to change between the winter mode and the summer mode. If the button is pressed for 3 seconds, the device will switch into "standby" position. It will suffice to press the button once to get the device in operation position.
2. **Reset Button** When a lockout error condition occurs (EXX), the error must first be corrected so that the error code can be removed from the LCD screen. After pressing the "Reset" key once, the device can switch back to normal operation state. The first time the device starts, it will start working in Comfort mode. Once the Reset button is pressed when operating in Comfort mode, the device will switch to Eco mode. Then when Reset button is pressed again, the unit will switch to Comfort mode.
3. **Domestic Hot Water Increase Temperature Button** The temperature of the domestic water can be increased up to 65 °C
4. **Central Heating Water Increase Temperature Button** The temperature of the heating water can be increased up to 80 °C
5. **Domestic Hot Water Decrease Temperature Button** The temperature of the domestic water can be decreased down to 30 °C
6. **Central Heating Water Decrease Temperature Button** The temperature of the heating water can be decreased down to 30 °C

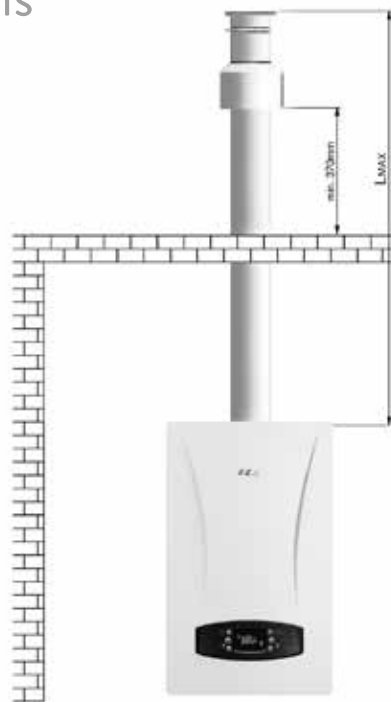


Chimney Applications

Horizontal & Vertical Applications



Horizontal Hermetic Flue Application
L max. distance with single elbow: 10 m, Ø60/100
L max. distance with single elbow: 20 m, Ø80/125



Vertical Hermetic Flue Application
L max. distance without elbow: 10 m, Ø60/100
L max. distance without elbow: 20 m, Ø80/125

Optional Smart Combi Boiler Kit



Smart Combi Boilers or combi-air conditioner room thermostats give you an ability for remote control where you can manage to set your home temperature via your handy phone and to make saving as well as getting a high level of comfort.



Optional Control Accessories

E.C.A. Smart Combi Room Thermostat

- Compatible for All Combi Boilers
- Mobile Application and Website
- Wireless Connection
- On/Off Model
- Programmable
- Sensitivity: 0,1°C
- Room Control Temperature: 0°C-40°C



E.C.A. Smart Combi Room Thermostat

- Compatible for All Combi Boilers
- Mobile Application and Website
- Wireless Connection
- On/Off Model
- Programmable
- Sensitivity: 0,1°C
- Room Control Temperature: 0°C-40°C



E.C.A. Poly 100 W Room Thermostat

- Compatible for All Combi Boilers
- LCD Display
- Wireless Connection
- On/Off Model
- Sensitivity: 0,1°C
- Room Control Temperature: 5°C-30°C



E.C.A. Wireless Room Thermostat

- Compatible for All Combi Boilers
- LCD Display
- Wireless Connection
- On/Off Model
- Sensitivity: 0,2°C
- Room Control Temperature: 5°C-35°C



E.C.A. Programmable Digital Room Thermostat

- Compatible for All Combi Boilers
- LCD Display
- Cable Connection
- On/Off Model
- Daily, 4 different time frames
- Sensitivity: 0,5°C
- Room Control Temperature: 5°C-35°C



E.C.A. Digital Room Thermostat

- Compatible for All Combi Boilers
- LCD Display
- Cable Connection
- On/Off Model
- Sensitivity: 0,5°C
- Room Control Temperature: 5°C-35°C



E.C.A. Room Thermostat

- Compatible for All Combi Boilers
- LCD Display
- Cable Connection
- On/Off Model
- Sensitivity: 0,2°C
- Room Control Temperature: 5°C-35°C





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