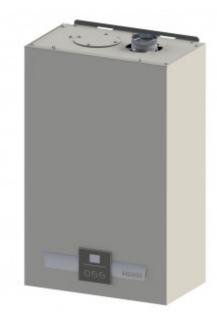


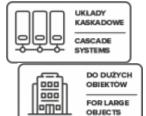


ECOCONDENS CRYSTAL -100









ECOCONDENS CRYSTAL 100 wall mounted gas condensing boilers are intended for heating large objects such as: multifamily buildings, boarding houses or office buildings. Boilers can work as independent units as well as in a cascade system. The modern control system used in the boiler allows to combine up to 6 boilers into a cascade without the need for an additional cascade manager and to achieve a total output of up to 600 kW.

- innovative heat exchanger design makes the boilers small in size in relation to their power output,
- high efficiency circulation pump (EEI ≤ 0,23),
- venting of the boiler is carried out by an air-vent mounted on the exchanger,
- electronically controlled modulating fan which ensures low energy consumption,
- burner with a wide range of modulation which ensures low NOx emissions (5th Class),
- $^{\bullet}$ two preinstalled adapters with measuring points: Ø100 air and Ø100 exhaust gas,
- NTC sensor of hydraulic coupling on the boiler equipment,
- Open-Therm communication protocol,
- works with domestic hot water cylinders with a coil output of min. 25 kW.
- in cascade systems, boilers are connected in series via a wire connected to the boiler. First boiler works as MASTER boiler (it functions as a manager), others work as a subordinate SLAVE, so there is no need to connect an additional external manager,
- high efficiency circulation pump with a lifting height of 8m; boiler version with pump of 12m lifting height available on request.

Accessories

CR11011







TERMET ST-292 V3



OUTSIDE TEMPERATURE SENSOR



| parameters | Value |
|---|-------------------------|
| Thermal power (at temp. 80/60°C) | 17,0 - 100,0 kW |
| Thermal power (at temp. 50/30°C) | 19,0 - 110,0 kW |
| Heat load | 18,0 - 103,0 kW |
| Efficiency of the boiler at nominal load and average boiler water temperature of 70°C | 97,0 % |
| Efficiency of the boiler at partial load and return water temperature of 30°C | 107,0 % |
| Efficiency η4 | 87 % |
| Efficiency η1 | 95 % |
| Max water pressure | 4 bar |
| Standard adjustable temperature | 20 - 80 °C |
| Pump head at 0 flow | 0,8 bar |
| Sound power level LWA | 65 dB |
| Emission of nitrogen dioxide | ≤ 50 mg/kWh |
| Emission class of nitrogen dioxide (NOx) | 5 |
| Max. amount of condensate (natural gas) | 15 l/h |
| Type and supply voltage | \sim 230 ±10%/ 50Hz V |
| Protection degree | IPX4D |
| Connection to the chimney duct | 2 x ø100 |
| Heating water and gas connection | G 5/4 G 1 inch |
| Dimensions | 810 x 540 x 545 mm |
| Weight | 84 kg |
| Exchanger material | stainless steel |
| | |

