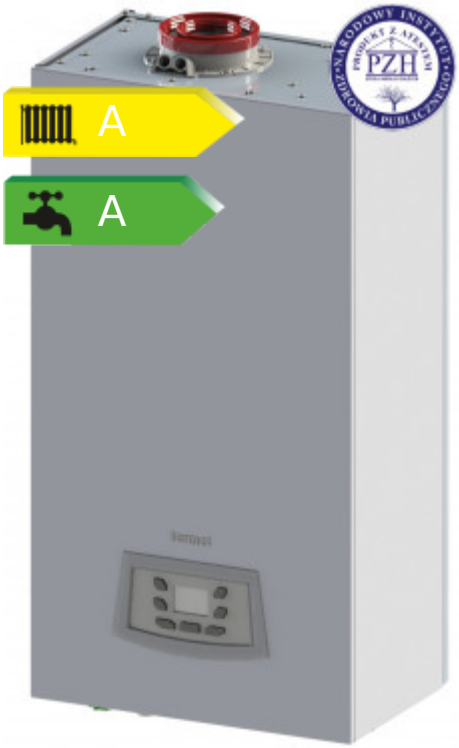
ECOCONDENS CRYSTAL II PLUS



7 LAT GWARANCJI / YEAR WARRANTY

POLSKI PRODUCENT / POLISH PRODUCER

UKŁADY KASKADOWE / CASCADE SYSTEMS

ECOCONDENS CRYSTAL II PLUS gas condensing boilers are intended for heating small and large areas. Their characteristic feature is the ability to achieve a very wide range of modulation, e. g. thanks to the innovative BLUEJET burner, which allows to reduce the minimum power up to 3 kW. Stainless steel heat exchanger guarantees high energy efficiency and economical boiler operation. Control system enables comfortable remote control of the boiler by user and monitoring operation of the device by service personnel via laptop.

- heat exchanger made of stainless steel
- wide range of modulation: from 11% to 100%
- high efficiency circulation pump
- stepless speed regulation fan (controlled electronically)
- cylinder burner made of stainless steel low level of NOx emission (6th class)
- complete protection system
- optimization of boiler operation is possible due to application of:
  - outdoor temperature sensor
  - temperature regulator: ON/OFF, Open-Therm or 0-10V,
  - ROUND system for remote boiler control via smartphone,
  - EVOHOME system for remote control of up to 11 heating zones
  - ready-to-use multi-zone modules for controlling up to 3 SIM heating systems
- boilers can also cooperate with:
  - heat pumps air/water
  - solar panels

Akcesoria

CR11011

TERMET ST-292 V2

TERMET ST-292 V3

OUTSIDE TEMPERATURE SENSOR

Parametry	Wartość
Thermal power (at temp. 80/60°C)	2,7-20,0 kW
Thermal power (at temp. 50/30°C)	3,0-22,0 kW
Heat load	2,8-20,4 kW
Seasonal space heating energy efficiency ηs	93 %
Efficiency of the boiler at nominal load and average boiler water temperature of 70°C	97,6 %
Efficiency of the boiler at partial load and return water temperature of 30°C	107,9 %
Seasonal space heating energy efficiency class	A
Useful heat output at rated thermal power P4 (for modulated boilers - arithmetic mean of min and max)	20,0 kW
Useful heat output at 30% of rated power P1 (for modulated boilers - 30% of arithmetic mean)	6,6 kW
Efficiency η4	88,0 %
Efficiency η1	98,0 %
Max water pressure	3 bar
Max CH temperature	95 °C
Standard adjustable temperature	20-80 °C
Pump head at 0 flow	0,7 bar
Nominal boiler thermal power (at temperature 80/60°C)	2,7-25,0 kW
Nominal heat load	2,8-25,6 kW
Efficiency of the boiler at nominal load and average boiler water temperature of 70°C	97,6 %
Water pressure	0,1-6,0 bar
Minimal water flow	2,0 dm^3/min
Domestic water flow at Δt=30K	12,0 dm^3/min
Energy efficiency class of water heating	A
Load profile	L
Range of water temperature regulation	30-60 °C
Sound power level LWA	48 dB
Emission of nitrogen dioxide	21 mg/kWh
Emission class of nitrogen dioxide (NOx)	6
Expansion vessel capacity	6 dm^3
Standby mode power consumption PSB	0,003 kW
Electricity consumption at full load elmax	0,06 kW
Electricity consumption at partial load elmax	0,02 kW
Type and supply voltage	~230-10%/50Hz V
Protection degree	IPX4D
Heating water and gas connection	G3/4 inch
Dimensions	777x400x285 mm
Weight	32,0 kg
Domestic water connection	G1/2 inch