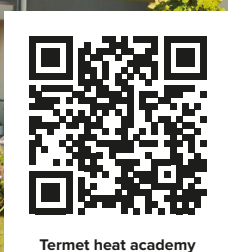


Warmth of nature



termet®



High power gas condensing boilers

CRYSTAL CASCADE 59

CRYSTAL CASCADE 59 wall-mounted condensing boilers are an ideal solution for heating multi-family buildings, guesthouses or office buildings. The boilers can operate as stand-alone units as well as in a cascade system. By combining the boilers in a cascade (maximum 6 units in the system) it is possible to achieve a power of up to 340 kW and heat large-area facilities, e.g. production halls.

boiler available in the offer
from **Q2 2025**



Suitable for heating:

- multi-family buildings
- boarding houses
- small hotels
- production halls
- warehouses
- kindergartens
- public buildings
- sports facilities



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TECHNICAL FEATURES

1 HEAT EXCHANGER

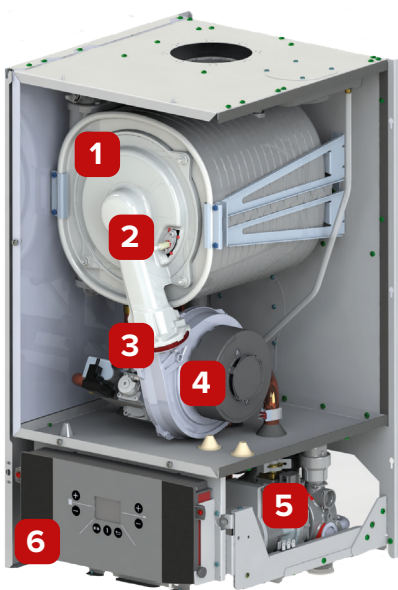
- heat exchanger with a coil made of stainless steel
- innovative heat exchanger design which makes the boilers small in size in relation to their power

2 BURNER

- stainless steel cylindrical burner
- wide modulation range burner ensuring low NOx emissions (class 6)

3 RETURN FLAP

- non-return flap protecting against reverse flue gas flow - enables connection of multiple boilers to a collective LAS type chimney system



4 FAN

- modulated electronically controlled fan providing low energy consumption

5 PUMP

- highly efficient circulation pump (EEL ≤ 0.23), with a lifting height of 8 m

6 CONTROL PANEL

- modern control panel with LCD display and full auto-diagnostics
- Open-Therm communication system
- possibility of operation in a cascade system (up to 6 boilers)
- built-in cascade manager with automatic configuration ensuring control and monitoring of the status of boilers operating within the cascade

TECHNICAL DATA

TECHNICAL FEATURES		SYSTEM BOILERS
		59
CH circuit	Seasonal space heating energy efficiency class	A
	Heat output (at temp. 80/60°C)	8,2 – 57,2 kW
	Heat output (at temp. 50/30°C)	9,1 - 62,0 kW
	Rated heat output	59 kW
	Seasonal space heating energy efficiency [η_s]	92 %
	Annual energy consumption (Q_{HE})	115,1 GJ
	Useful boiler efficiency at partial heat output and return water temperature 30°C	105 %
	Max. water pressure	3 bar
	Expansion vessel capacity	no expansion vessel included
	Sound power level L_{wa}	57 dB
	Emission of NO_x	<50 mg/kWh
Chimney duct connection		Coaxial Ø80/Ø125 mm or two separate Ø80 mm
Power supply		~230±10%V/50Hz
Protection class		IPX4D
Height x width x depth		730 x 400 x 430 mm
Weight		48,5 kg

AIR/FLUE-GAS ACCESSORIES FOR ECOCONDENS CRYSTAL CASCADE 59

Catalogue number	Trade name	Description	Picture
T 9000 04 02 98	Set of adapters Ø80	Set of two air/flue-gas adapters 2x Ø80 with measuring points	
T 9000 04 02 48	Adapter Ø80/Ø125	Air/Flue-gas adapter Ø80/Ø125 with measuring points	

ACCESSORIES

room temperature controllers

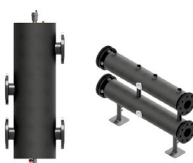


CR11011

control of heating circuits



accessories to the cascade



neutralizers condensate



Air/flue gas systems



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