

Epsilon ECO

Condensing Boiler



Epsilon ECO Condensing Boiler can be used both in new projects and in the renewal of the existing heating system with the ease of mounting and use. It is compatible with underfloor heating systems.

It provides solutions for many different heating requirements with 24 kw - 30 kw capacity options. It is possible to operate in different comfort curves that automatically change according to the outdoor temperature thanks to an optional outdoor sensor.



A Class Condensing Gas Boiler

Thanks to the special interior design controlled by a ultratech electronic processor, it provides the ideal gas and air mixture. The pump speed is adjusted according to the installation requirements by means of the ErP-compatible energy efficient circulation pump. Epsilon ECO, produced in 24 kw and 30 kw capacity, has A class heating efficiency according to ErP regulation.



A Class Hot Water Performance

According to the ErP Regulation, it has A class domestic water efficiency. Your hot water is always ready to use with its high capacity heat exchanger. If desired, up to 500 liters of hot water can be obtained from the reservoir with the addition of an external boiler. Thanks to turbine flow velocity control, comfort is maintained with constant water supply even at variable network flow rates.



Eco Safe Feature

Developed to ensure high efficiency and energy savings, Epsilon Eco Condensing Boiler also respects nature and ecological balance. Thanks to its special interior design, the emission of NOx and carbon dioxide released into the air is extremely low.



Long Lifetime

All critical components that make up the boiler are in full compliance with the European Union Energy Efficiency Directive (Energy Related Products- ErP). Epsilon Eco Condensing Boiler runs smoothly for long periods of time.



Multiple Security System at 26 Different Spots

All risks related to natural gas equipment are under control with the Special Multiple Security System designed for Maktek. Epsilon Eco Condensing Boiler continues to operate at full capacity even at high and low gas pressures.



Lean Design, Practical Use

With easy-to-use panel, you can make all the settings related to the heating and DHW temperature of the appliance with a single move. The back-lid 2-inch LCD display, with all parameters and information about the boiler, provides full control.



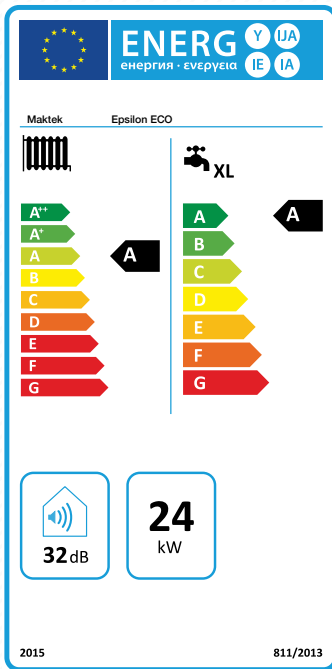
No Noise

In laboratory conditions, the device runs quieter than a library environment with the sound level measured as 32 decibels. (the average sound level is 36 decibels in a library).



Smart Condensing Technology

Epsilon ECO works in continuous modulation mode in heating circuit and hot water use. The device can condense in all modulation ranges.



TECHNICAL SPECIFICATIONS

		Epsilon ECO 24	Epsilon ECO 30
Boiler Type		Hermetic Condensing Boiler	
Countries		TR	
Device Category		C 32	
Gas Type		II 2H 3B/P	
Gas Use		2H - G20 (20mbar) / G31 (31mbar)	
Nox Class		5	
Nominal Heat Input max./min.	<i>kW</i>	24,7/11,6	30,2/11,8
Heating Power max/min	<i>kW</i>	25,5/11,3	31/11,5
100 % Efficiency in Heating Operation	<i>%</i>	103	103
Flue Gas Temperature max./min.	<i>°C</i>	72/56	78/56
Flue Gaz Flow (mass flow rate)	<i>gr/sn</i>	9,8	12,8
Nominal Natural Gas Consumption	<i>m3/h</i>	2,5	2,95
Frost Protection Function Start	<i>°C</i>	5	
DHW Minimum Flow Rate	<i>lt/ dk</i>	3	
DHW Maximum Pressure	<i>bar</i>	6	
DHW Minimum Pressure	<i>bar</i>	0,2	
Expansion Tank Capacity	<i>lt</i>	8	
Expansion Tank Preloading Pressure	<i>bar</i>	1	
Max. Working Pressure (Heating Circuit)	<i>bar</i>	3	
Nominal Natural Gas Pressure	<i>mbar</i>	20	
Max. Heating Water Temperature	<i>°C</i>	85	
Min. Heating Water Temperature	<i>°C</i>	30	
Water Flow Rate $\Delta T = 35^{\circ}C$	<i>lt/ dk</i>	11	
Volt / Frequency	<i>V/ Hz</i>	230 / 50	
Total Electric Power	<i>W</i>	138	
Electric Isolation Degree	<i>IP</i>	X4D	
Weight	<i>kg</i>	35	37
Dimension	<i>mm</i>	435x740x320	435x740x320



**3 YEARS
WARRANTY**

MAKTEK®



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