

PERFORMANCE SERIES

STEAM BOILERS

LIQUID / GAS FIRED TWO PASS COUNTER PRESSURE



HIGH CAPACITY
POWERFUL
PERFORMANCE



Steam Production Capacity
200 Kg/h - 4.000 Kg/h



Operating Pressure
6-16 Bar



Thermal Capacity
140 kW - 2.791 kW



Design Type
Fire-Tube, Counter Pressure,
2 Pass



Fuel Type
LNG, Propane, CNG, Natural Gas, LPG,
Biogas, Gas Oil, Diesel, Fuel Oil, Dual Fuel

Capacity Table

Model	Steam Capacity (kg/h)	Thermal Capacity (kcal/h)	Thermal Capacity (kW)	Thermal Capacity (MW)
PERFORMANCE 5	200	120.000	140	0,14
PERFORMANCE 10	400	240.000	279	0,28
PERFORMANCE 15	600	360.000	419	0,42
PERFORMANCE 20	800	480.000	558	0,56
PERFORMANCE 25	1.000	600.000	698	0,70
PERFORMANCE 30	1.200	720.000	837	0,84
PERFORMANCE 40	1.600	960.000	1.116	1,12
PERFORMANCE 50	2.000	1.200.000	1.395	1,40
PERFORMANCE 60	2.400	1.440.000	1.674	1,67
PERFORMANCE 70	2.800	1.680.000	1.953	1,95
PERFORMANCE 80	3.200	1.920.000	2.233	2,23
PERFORMANCE 90	3.600	2.160.000	2.512	2,51
PERFORMANCE 100	4.000	2.400.000	2.791	2,79

Ekotek reserves the right to modify product specifications, dimensions, and visual representations due to ongoing production processes. Visuals are representative only; actual product color, dimensions, and accessories may differ.

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PERFORMANCE SERIES

MOBILE BOILER SYSTEMS

LIQUID / GAS FIRED TWO PASS COUNTER PRESSURE MOBILE STEAM BOILER



HIGH CAPACITY
POWERFUL
PERFORMANCE



Steam Production Capacity
200 Kg/h - 1.600 Kg/h



Operating Pressure
3-16 Bar



Thermal Capacity
145 kW - 1.163 kW



Design Type
Fire-Tube, Counter Pressure,
2 Pass



Fuel Type
LNG, Propane, CNG, Natural Gas, LPG,
Biogas, Gas Oil, Diesel, Fuel Oil, Dual Fuel

Capacity Table

Model	Steam Capacity (kg/h)	Thermal Capacity (kcal/h)	Thermal Capacity (kW)	Thermal Capacity (MW)
PERFORMANCE 5	200	125.000	145	0,15
PERFORMANCE 10	400	250.000	291	0,29
PERFORMANCE 15	600	375.000	436	0,44
PERFORMANCE 20	800	500.000	581	0,58
PERFORMANCE 25	1.000	625.000	727	0,73
PERFORMANCE 30	1.200	750.000	872	0,87
PERFORMANCE 40	1.600	1.000.000	1.163	1,16

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Performance Series - Liquid Gas Fuel High Pressure Steam Boiler

<https://www.ekotekkazan.com/product/performance-series-liquid-gas-fuel-high-pressure-steam-boiler>

About the Product

Counter pressure steam boiler, thanks to its high heating surface area, provides the opportunity to obtain drier and higher energy steam. In order to produce steam in a short time, the water volume is kept as small as possible, and the steam volume is kept large. In counter pressure steam boilers, the flame is separated from the boiler with 2 passes. The flame hitting the back wall comes back towards the front cover and leaves the boiler through the pipes by turning back from the front wall covered with refractory material.

Description

Our boilers do not cause noise pollution with their quiet operation. It is produced as corrugated according to pressure values. The strength of the boiler and its resistance to thermal stresses have been increased in this way.

Due to the appropriate size of the boiler, it can be easily placed in any environment. Its stylish appearance is noticeable with its compatibility in the environment. Installation and maintenance are easy.

***Upon request, our steam boilers can be delivered as a package with all accessories.

Detailed Description

Counter pressure steam boiler, due to the use of a large part of the energy of the fuel, is highly efficient. Thanks to strong insulation with stone wool, heat loss is prevented. With the smoke redirecting turbulators used in the boiler tubes, maximum efficiency and low chimney temperature are achieved. Thanks to the turbulators, the contact time and surface area of the smoke gases with the smoke tubes are increased.

Ekotek Heating Technologies uses 5 types of safety systems in counter pressure steam boilers:

- Steam Temperature,
- Mechanical Pressure,
- Digital Pressure,
- Safety Valve,
- Chimney Temperature Controls, in addition, all safety systems including boiler feed pumps are used as a standard double package.

A PLC control system can be added upon request. If you want to have control, you should definitely see our optional options.

Control your power with Ekotek technology.

With optional options; Plc Touch screen controlled, Modbus RTU (Remote Terminal Unit Rtu) is completely under your control.

Our boilers do not cause noise pollution with their quiet operation. It is produced as corrugated according to pressure values. The strength of the boiler and its resistance to thermal stresses have been increased in this way.

The smoke tubes are welded with a mirror, providing safer and longer operation. The smoke box is sa with the explosion cap and cleaning cap. Operating and maintenance convenience, thanks to the burner combustion control, ensures minimum fuel consumption and reduction of operating costs.

Due to the appropriate size of the boiler, it can be easily placed in any environment. Its stylish appearance is noticeable with its compatibility in the environment. Installation and maintenance are easy.

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