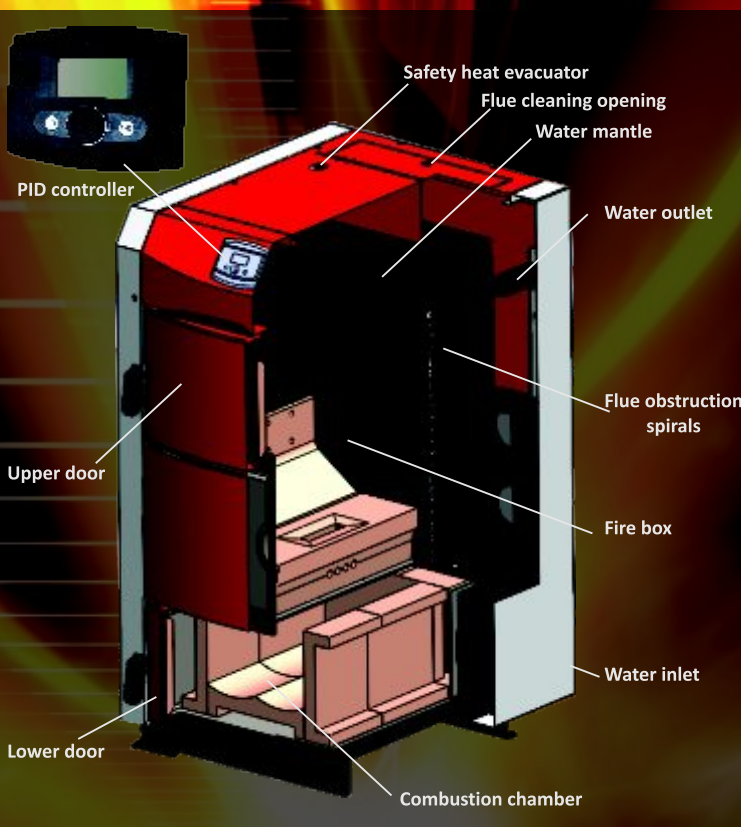
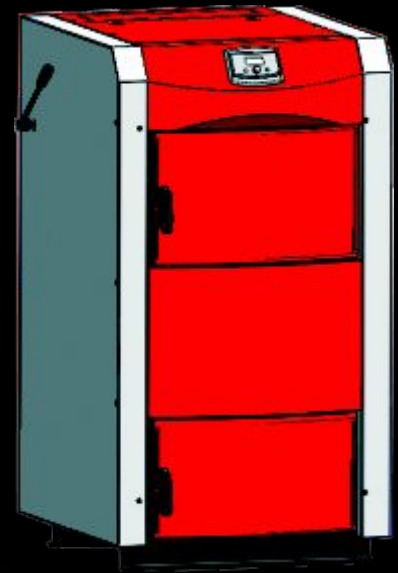


Wood gasifying boiler BURNiT PyroBurn

A highly-efficient wood gasifying boiler, designed for economical and ecological heating of bigger houses and industrial spaces. The PyroBurn boiler provides intuitive operation interface and heat output regulation as well as sophisticated safety systems. The built in Proportional-integral derivative controller monitors the burning process and controls the fan speed to achieve optimal yield and economy of fuel. It also integrates functions for command of a circulation pump of a central heating system, as well as a pump for domestic hot water system. Produced in compliance with EN303-5.



Product Features

Variable speed induced draught fan determines the combustion intensity

Easy to use cleaning device removes build-up in the flue with no need to dismantle the boiler and improves the performance of the unit

Fume extraction device on the front keeps smoke from polluting the boiler room during reloading

Large firebox with large-sized loading door for burning chunks of wood up to 500 mm in length

Left or right hinged doors

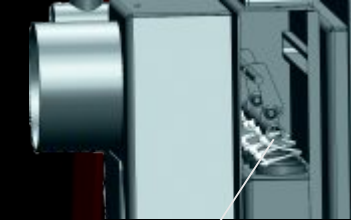
Combustion chamber protected on all sides by ceramic plates. All ceramic elements are easy to mount and dismantle with no need to dismantle the boiler.

PID controller with LED display for precise handling of the combustion

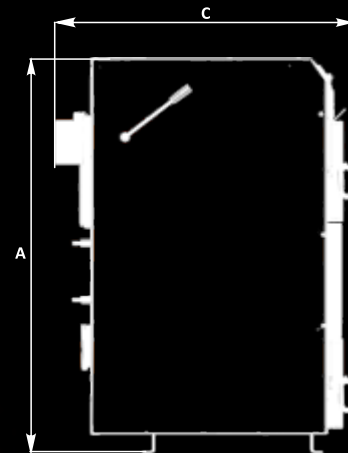
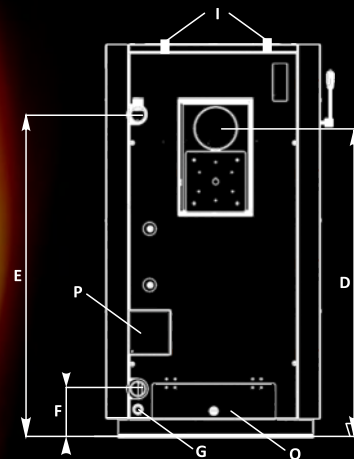
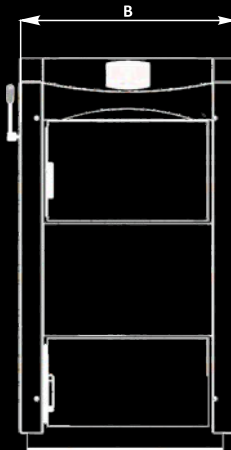
Four independent safety devices

- 1) The fan is electronically controlled in accordance with the water and flue gas temperatures;
- 2) Thermostatic draught regulator;
- 3) Safety evacuator - a tap-water-filled circuit passes through the upmost part of the boiler body. In case of overheating it may be triggered open by a thermostatic valve (not included) to evacuate the heat off the boiler.
- 4) Pressure relief valve 2.5 bar

Fume extraction device on the front keeps smoke from polluting the boiler room during reloading



Easy to use cleaning device removes build-up in the flue with no need to dismantle the boiler



Technical specification:

Model		PB 25	PB 40
Heat output	kW	25	40
Volume of firebox	L	140	170
Dimensions of loading opening	mm	490 x 260	490 x 260
Operating pressure	bar	2.5	2.5
Overall weight	kg	460	510
Height A	mm	1360	1440
Width B	mm	750	750
Depth C	mm	1030	1030
Flue	D	ø150/1075	ø150/1150
Hot water outlet	E	R1½"1120	R1½"1200
Cold water inlet	F	R1½"170	R1½"170
Drain	G	✓	✓
Safety heat evacuator inlet/outlet	I	✓	✓
Cleaning opening	O	✓	✓
Air intake vent	P	✓	✓
Insulation of doors		ceramic plate + rock wool	
Insulation of body		rock wool	
Insulation of combustion chamber		ceramic plates	
Electric consumption	W	80	80
Efficiency	%	>90	>90
Temperature of flue	°C	<180	<180
Fuel consumption	kg/h	5.9	10.1
Max. length of wood chunks	mm	500	500
Water volume	L	68	75
Electrical power supply		230V / 50Hz	
Operating temperature range		65-90°C	

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