



DOMESTIC

Residential households and apartments

Pelltech PV 20/30 burners

Pelltech Domestic range burners are designed to heat small and medium-sized residential and public buildings.

PV 20a and **PV 30a** are easy to use due to their unique electrical ignition, automatic power level selection and informative display. With their excellent burning quality, high efficiency and multiple safety features, Pelltech burners comply with all European standards.

The **PV 20b** and **PV 30b** have pneumatic cleaning system, which significantly prolongs the work period between cleanings – instead of once a week, the burner needs cleaning only once every two months.

Burner models marked with “+” include a draught sensor for controlling flue gas fan.

PV 20a PV 30a	PV 20a+ PV 30a+	PV 20b PV 30b	PV 20b+ PV 30b+
Base model	Draught control	Pneumatic cleaning	Pneumatic cleaning Draught control



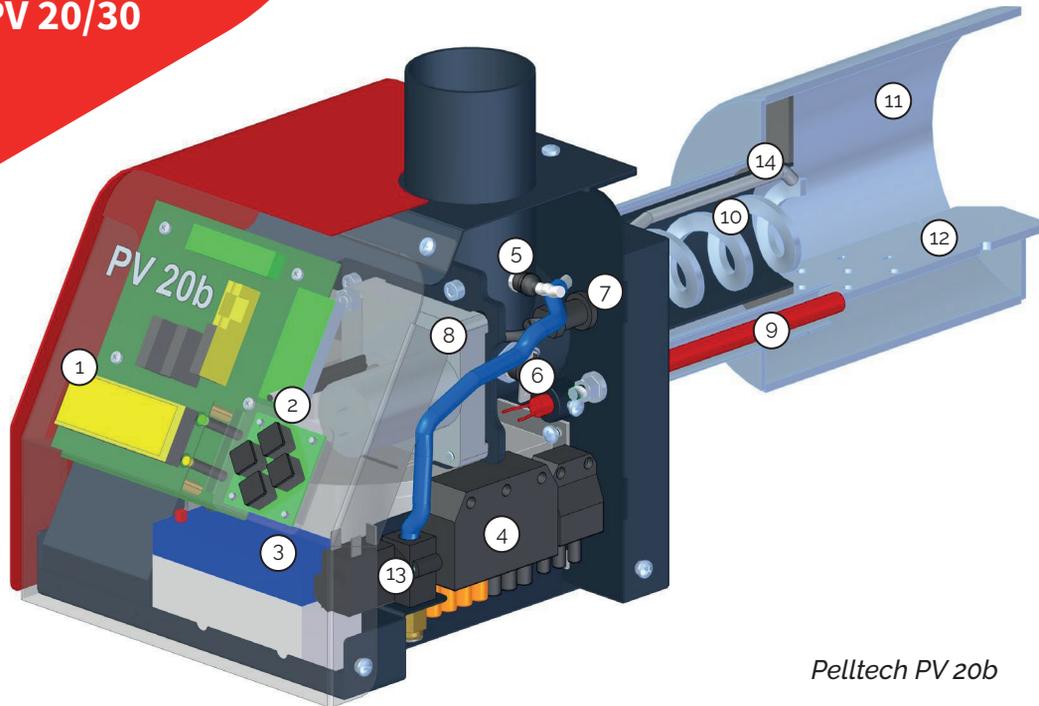
ADVANTAGES

- Burner can be controlled online
- User friendly interface
- Backup battery
- Fast ignition
- Low emissions
- Fan speed control
- Fuel level control
- Multiple operation modes
- Dosing with internal auger
- Intelligent power modulation
- Low power consumption
- Programmable relay output

Pelltech OÜ is a company specialised in development, manufacture and sale of pellet burners and boilers. Founded in 2006 by two pioneers in the field of renewable energy, Pelltech has become the largest and most acknowledged pellet burning equipment firm in the Baltics.



Pelltech PV 20/30



Pelltech PV 20b

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|-----------------------|----------------------|---------------------------------|
| 1. Display | 6. Safety thermostat | 11. Burning chamber |
| 2. Control buttons | 7. Flame sensor | 12. Grate |
| 3. Backup battery | 8. Feed screw motor | 13. Solenoid valve for cleaning |
| 4. Mains supply | 9. Igniter | 14. Pneumatic cleaning tube |
| 5. Fuel level sensors | 10. Feeder spiral | |

Model		PV 20a	PV 30a
Fuel		wood pellets 6...8 mm, ash content ≤0.7%	
-Maximum fuel consumption	kg/h	4.2	6.2
Power output			
-Burning at maximum	kW	18	27
-Burning at minimum	kW	6	9
-Holding flame	kW	2.5	2.5
Boiler requirements			
-Minimum furnace diameter	mm	≥350	≥370
-Minimum furnace length	mm	350	400
Flue gas			
-Maximum amount (at 150°C)	m ³ /h	50	75
-Optimal O ₂ concentration	%	8...10	8...10
-Required chimney diameter *	mm	≥100	≥100
-Optimal furnace negative pressure	Pa	-6	-6
Mains supply		230 VAC	230 VAC
Electrical power consumption			
-Igniting	W	440	440
-Burning	W	25-40	25-40
-Standby	W	5	5
Overall dimensions (L/W/H)	mm	540/220/240	570/230/240
Pellet inlet diameter	mm	60	60
Burning chamber dimensions (L/Ø)	mm	170/146	200/162
Burner weight	kg	11.5	12.5

*With flue gas fan

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