

PV - Gas Fired Cabinet Heaters

High performance low cost warm air heating



**BENSON
HEATING**



PV Vertical Cabinet Heater

Comfort and Warmth When and Where Needed

Fuel Efficiency Assured

Building Regulation, ECA & CE Compliant Models

Controlled Automatic Operation

Compact Design

Room Sealed Combustion Circuit

Extended Guarantees



All Heaters
Part L2B Compliant

www.bensonheating.com

PV - Gas Fired Cabinet Heaters

Warm air heating is long proven as a comfortable low cost heating solution for most industrial, commercial and horticultural buildings. Design experience accumulated over more than forty years has combined with modern computer integrated technology to provide a range of cabinet heaters renowned for robust construction, reliability and economy.

Technical Data

Model		100	170	250	330	410	490	
Output	kW	29	49	72	96	120	144	
ECA Approved		✓	✓	✓	✓	✓	✓	
Electrics	V/ph/hz	230/1/50			415/3/50			
Overall Dimensions	Height	mm	1908	1974	2599	2599	2817	2817
	Width	mm	700	700	840	840	840	840
	Depth	mm	1050	1050	1395	1395	1750	1750
Flue Diameter	mm ø	100	100	130	130	130	130	
Nett Weight	kg	192	202	330	350	440	460	

Note: Weights and dimensions refer to nozzle heaters

Specification

Application: A range of vertical gas fired cabinet heaters with clean aesthetic lines and configured for either room sealed or conventional flue applications. Suitable for showrooms, factories, workshops, warehouses, greenhouses and many other commercial premises.

Building Regulations & ECA Approval: All Benson PV cabinet heaters are designed with fuel efficiency in mind and meet the efficiency requirements of Part L2B of current Building Regulations as well as applicable CE legislation. Additionally all models within the range have been rated to meet the Government's energy efficiency criteria for inclusion into the Enhanced Capital Allowance scheme.

Construction: The casing is robotically formed from electro zinc coated steel sheet and finished with a durable stove hardened epoxy polyester powder paint whilst the heat exchanger is formed without the need for welding from either aluminised or stainless steel to form a four pass multi-tube assembly.

Burner: High efficiency low noise multi flame in-shot burner complete with automatic ignition and full flame safety monitoring. Available for natural gas or lpg propane.

Power Flue: Enables the heater to be used in room sealed or fan assisted flue format with both vertical and horizontally flue exit options.

Controls: Heaters are ready for automatic operation being complete with time and temperature controls. Benson offers two control options the CP2 incorporating a digital time switch, mechanical day temperature and frost protection thermostats. Alternatively heaters may be specified with a fully optimised CP4 control which includes a secure entry code facility, temperature dependent start time, digital time switch with override facility, electronic day thermostat and frost protection thermostat. Fully optimised control obligatory for ECA applications. Both options provide 'fan only' operation for summer air movement.

Air Distribution: Via a quiet yet powerful centrifugal fan set with directional nozzles which discharge the warm air directly into the area to be heated. Alternatively a spigot outlet can be provided for ductwork systems with filters and fresh air inlet options available.

Testing: Every heater is individually inspected, test fired and safety function tested prior to despatch.

Guarantee: Benson heaters are provided with one of the most comprehensive guarantee packages available -

Year One: Parts and labour

Year Two: Parts

Ten Year: Combustion chamber heat exchanger warranty



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