



Before

After

A highly energy-efficient fan convector that fits neatly into the plinth of a kitchen unit. Ecovector Plinth Heater eliminates the need for conventional radiators and will run on both traditional boilers and renewable technology. The product brings considerable space saving benefits – more room for extra storage units, more work surfaces, more space for kitchen appliances.

Ecovector plinth heater is used predominantly for domestic applications, where the ingenious plinth-mounting feature makes it ideal for kitchens and utility rooms. This heater is also ideal for some non-domestic applications, such as reception areas, changing rooms, libraries, etc.

**Independent tests\* show that fan convectors are at least 24% more energy efficient than a panel radiator in heating up a room.**

*\*Tests carried out by BSRIA (Building Services Research and Information Association) in August 2008*

Model	Room Size Guide* (m <sup>3</sup> )	Heat Output $\Delta t$ 60°C		Heat Output $\Delta t$ 50°C		Sound Levels		Fascia Grille Colour
		Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)	Normal (dBA)	Boost (dBA)	
<b>Hydronic</b>								
PH1300	29	1.3 (4400)	1.7 (5800)	1.1 (3800)	1.4 (4700)	27	43	Brushed Steel
PH1600	36	1.6 (5500)	1.9 (6500)	1.3 (4400)	1.6 (5500)	30	44	Brushed Steel

\*Room sizes given in cubic metres for general guidance only based on normal heat output ( $\Delta t$  60°C) for domestic applications - always calculate heat losses.  $\Delta t$  60°C assumes a mean water temperature of 80°C and room temperature of 20°C.  $\Delta t$  50°C assumes a mean water temperature of 70°C and room temperature of 20°C. Hydronic outputs tested in accordance with BS 4856. Sound levels measured at 1.5m.

Model	Flow & Return Connections	Mains Cable	Transformer	Flexible Hoses	Isolating Valves	Fused Spur	Power Consumption		Water Capacity (Litres)
							Normal (Watts)	Boost (Watts)	
<b>Hydronic</b>									
PH1300	15mm	2.0m	n/a	•	n/a	3A	21	30	0.36
PH1600	15mm	2.0m	n/a	•	n/a	3A	21	30	0.38

#### Fascia Grille Finish

Brushed steel.

#### Installation

Important:

Correct fascia grille opening must be cut to allow sufficient air intake.

- 20mm clearance above unit required
- Model secured to plinth by two screws through fascia grille
- Unit must be earthed
- Suitable for two-pipe central heating systems only

#### Accessories

Wall mounted room thermostat.

Overlay grilles: brown - RAL 8016, black - RAL 9005, White - RAL 9010.

#### Commissioning

Check water temperature is hot enough to activate low temperature cut-out thermostat (LTC). Vent screw accessible through fascia grille.

#### Controls

One rocker switch - normal/off/boost.

Low temperature cut-out thermostat set to energise fan at approximately 35°C.



White

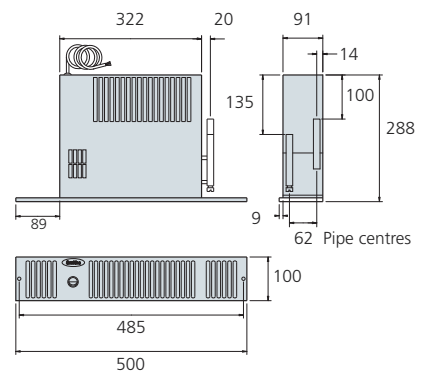


Brown



Black

#### PH1300, PH1600



#### Fascia Grilles

Ecovector Plinth Heater models are supplied with a fascia grille in brushed steel. Grilles are available in a selection of colours and finishes. The grille simply replaces the brushed steel grille and is held in position using the existing screws that fix the heater to the plinth.