



Smaller than a radiator, yet bigger on output, this fan convector combines elegant good looks with energy efficiency. Its smooth lines and overall visual simplicity will appeal to those seeking a heat emitter that enhances and complements their living or working spaces.

Providing warmth from the floor upwards – the ideal heating pattern – the Eco-Powerad fan convector is up to 31% more efficient than an equivalent output radiator and will operate effectively on wet central heating systems whether driven by boilers or low temperature renewable technologies.

Fan convector technology allows the central heating system to operate at temperatures as low as 40°C enabling heat pumps to run at their higher efficiencies and to generate SAP improvements of 7.5% over traditional radiators.

Eco-Powerad installs just like a radiator using the same pipe work and valves but is less than half the weight and takes up a much smaller footprint making it easier to handle in both existing and new developments.

Simple to operate, Eco-Powerad fan convectors switch on and off automatically with the central heating system, and with the addition of thermostatic radiator valves they will provide efficient room temperature control.

**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>2</sup> )	Heat Output at 80°C kW (Btu/h)	Heat Output at 75°C kW (Btu/h)	Heat Output at 70°C kW (Btu/h)	Heat Output at 65°C kW (Btu/h)	Heat Output at 60°C kW (Btu/h)	Heat Output at 55°C kW (Btu/h)	Heat Output at 50°C kW (Btu/h)	Heat Output at 45°C kW (Btu/h)	Heat Output at 40°C kW (Btu/h)
<b>Hydronic</b>										
Eco-Powerad 500	14	0.9 (3100)	0.8 (2900)	0.8 (2750)	0.7 (2400)	0.6 (2050)	0.5 (1875)	0.5 (1700)	0.4 (1375)	0.3 (1050)
Eco-Powerad 1000	29	2.4 (8200)	2.1 (7150)	1.8 (6100)	1.6 (5450)	1.4 (4775)	1.2 (4100)	1.0 (3400)	0.8 (2725)	0.7 (2400)
Eco-Powerad 1500	43	2.6 (8900)	2.4 (8200)	2.2 (7500)	2.0 (6825)	1.9 (6475)	1.7 (5800)	1.5 (5100)	1.2 (4100)	0.9 (3100)
Eco-Powerad 2000	57	3.9 (13200)	3.5 (11950)	3.2 (10900)	2.8 (9550)	2.5 (8525)	2.2 (7675)	2.0 (6800)	1.7 (5800)	1.3 (4600)

\*Room sizes given in cubic metres for general guidance only based on normal heat output (50°C) for domestic applications - always calculate heat losses. Heat outputs tested in accordance with BS 4856 using exiting water temperature.

At inlet water temperatures of 75°C and below, all Eco-Powerad models are classified as LST (low surface temperature) appliances.

Model	Sound Levels* (dBA)	Casing Colour	Flow & Return Connections	Mains Cable	Transformer	Flexible Hoses	Isolating Valves	Fused Spur	Power Consumption (Watts)	Water Capacity (Litres)
<b>Hydronic</b>										
Eco-Powerad 500	28	White	15mm	2m	n/a	n/a	n/a	3A	15	0.17
Eco-Powerad 1000	30	White	15mm	2m	n/a	n/a	n/a	3A	18	0.28
Eco-Powerad 1500	31	White	15mm	2m	n/a	n/a	n/a	3A	33	0.44
Eco-Powerad 2000	32	White	15mm	2m	n/a	n/a	n/a	3A	36	0.55

\*Measured at 1.5m.

## Eco-Powerad®

### Finish

**Front casing: zinc coated steel.**

**Polyester powder-coated: white RAL 9010.**

### Installation

- Mounting bracket supplied
- Unit must be earthed
- Suitable for two-pipe central heating systems
- Minimum height above floor level 150mm
- Maximum height above floor level 500mm

### Commissioning

Check water is hot enough to activate the low temperature cut-out thermostat. Ensure system is balanced for even heat distribution.

### Controls

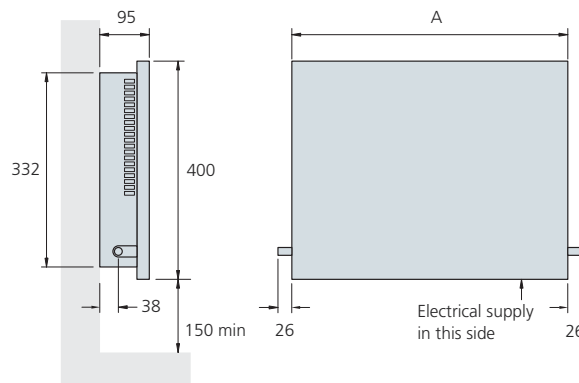
Low temperature cut-out thermostat, set to energise fan at approximately 35°C.

Suitable for thermostatic radiator valves (TRV) – not supplied.

Rocker switch – normal/low.

### Accessory

Wall-mounted room thermostat.



All dimensions in mm

Model	A
Eco-Powerad 500	485
Eco-Powerad 1000	845
Eco-Powerad 1500	1210
Eco-Powerad 2000	1570