

# Heat Pump Cylinders

A rated



## New Eco Range

Advance Appliances has spent many years developing and refining the range of cylinders to work with most heat pumps. A lot of the work was carried out with manufacturers of heat pumps to provide the optimum synthesis of technologies. The coils are not only much larger in surface area than standard cylinders; they are configured for low resistance, high capacity and maximum temperature drop.

Advance are delighted to announce a significant upgrade to this proven design. All domestic units up to and including 300 litre capacity are A rated. In addition they are all fully recyclable. Every size over 150 litre has two immersions fitted so one immersion can be dedicated to solar PV supply. And they are all manufactured by Advance in our new facility here in the West Midlands.

All cylinders are supplied with an appropriate G3 kit and meet Part L and Part G of the Building regulations. A 25 year guarantee gives specifiers and installers reassurance that they are choosing market leading technology and manufacturing.

- ▶ **Offset primary connections for easy installation**
- ▶ **Fully recyclable**
- ▶ **Low resistant coils**
- ▶ **Stainless steel mains pressure cylinders  
25 years guarantee**
- ▶ **Enhanced surface area coils designed  
specifically for heat pumps**
- ▶ **Exceeds part L of building regulations  
minimum heat loss**
- ▶ **Safety kit provided meets part G  
of the building Regulations**
- ▶ **3 bar operation high flow rates for  
fast bath filling and power showers**



Solar



Heat Pump



Meets UK  
Building  
Regulations

HPA UK

- ▶ **A store of mains pressure hot water ready on demand**
- ▶ **Heat pumps save money and energy**
- ▶ **Commercial sizes available**
- ▶ **Low resistant range for fast flow**

## A range of stainless steel unvented cylinders

For use with heat pumps up to 500 litre capacity. Insulated with vacuum panel insulation and finished in a case with a smooth wipe clean finish.

Attractive in appearance with superb A class heat loss characteristics, Advance Heat Pump Cylinders are supplied with fitted T&P valve,

immersion heater for thermal disinfection, dual thermostat with control and high limit plus full G3 kit.

Also Supplied: control and high limit thermostat, two 3kW immersion heaters\*, tundish and installation manual. The units meet current building regulations, are manufactured in the UK and guaranteed for 25 years (components 2 years). \*One 3kW immersion heaters on Eco HPL 150.

## Specification

### General

Material	Duplex stainless steel
Operating pressure tank and coil	3 bar
Pressure reducing valve	Max pressure 12 bar / control pressure 3 bar
Expansion vessel charge	3 bar
Expansion relief valve	6 bar
Hot and cold connections	22mm (28mm 400 and 500 litre)
Coil tappings	35mm

### Coil resistance

Flow rate L / min	3m <sup>2</sup> coil
50	0.39 bar
60	0.58 bar
70	0.83 bar

### What size do I need?

Code	Application guide
Eco HPL 150 single coil	Single bath
Eco HPL 200 single coil	Single bath and shower
Eco HPL 250 single coil	Twin bath
Eco HPL 300 single coil	Twin bath and shower
Eco HPL 400 single coil	3 bath and shower
Eco HPL 500 single coil	4 baths and 1 shower

Code	Volume (LTR)	Size D x H (mm)	Area sq MTR heat pump coil	HP coil kW rating*	Ex vessel capacity	Heat loss watts / class	Weight empty kg
Eco HPL 150 single coil	150	580 x 1205	2	28	12 Litres	35 / A	44
Eco HPL 200 single coil	200	580 x 1545	3	40	18 Litres	44 / A	54
Eco HPL 250 single coil	250	580 x 1795	3	40	24 Litres	47 / A	57
Eco HPL 300 single coil	300	580 x 2105	3	40	24 Litres	46 / A	61
Eco HPL 400 single coil	400	580 x 2050	3	40	50 Litres	93 / C	85
Eco HPL 500 single coil	500	750 x 1690	3	40	50 Litres	116 / C	101

\*At 40°C t, 55°C output, 25 litres/minute flow

Find out more



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