

Heat Pump Cylinders



Special design

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.

Their position within the cylinder has been chosen to give the best performance. This design is critical, and will get the very best heat up performance from heat pump inputs. Coil outputs are measured using typical heat pump temperatures and flow rates.

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. All cylinders are made in the UK.

- ▶ **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



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

A range of stainless steel unvented cylinders

For use with heat pumps up to 500 litre capacity. Insulated with 60mm of low loss polyurethane foam and finished in an attractive mild steel case with a leatherette finish.

Attractive in appearance with superb 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, one 3kW immersion heater, tundish and installation manual. The units meet current building regulations, are manufactured in the UK and guaranteed for 25 years (components 2 years).

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	28mm
Coil connection	35mm

Coil resistance

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

What size do I need?

Code	Application guide
HPL 400	3 bath and shower
HPL 500	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
HPL 400 single coil	400	580 x 2050	3	40	50 Litres	93 / C	85
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