

HP, HPL, HPS, HPSL Heat Pump Cylinders

A RANGE OF STAINLESS STEEL UNVENTED CYLINDERS FOR USE WITH HEAT PUMPS IN SINGLE COIL AND TWIN COIL PATTERNS UP TO 500 LITRE IS CAPACITY. INSULATED WITH 60MM OF LOW LOSS POLYURETHANE FOAM AND FINISHED AND NISHED IN AN ATTRACTIVE MILD STEEL CASE WITH A LEATHERETTE FINISH.

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. For faster flow rates our range of HPL (single coil) and HPSL (twin coil) tanks offer even lower resistance.

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
- ✔ A store of mains pressure hot water - **ready on demand**
- ✔ Twin coil units available use solar energy for the best of both worlds
- ✔ Heat pumps save money and energy
- ✔ Commercial sizes available
- ✔ Low resistant range available for fast flow



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.

General specifications

Material	Duplex Stainless Steel
Operating Pressure Tank & Coil	3 Bar
Pressure Reducing Valve	Max Pressure 12 Bar/ Control Pressure 3 Bar
Expansion Vessel Charge	3 Bar
Expansion Relief Valve	6 Bar

Also Supplied:

Control and High Limit Thermostat, One 2 Port Motorised Valve,* One 3kw Immersion Heater, Tun Dish and Installation Manual. The Units Meet Current Building Regulations, are Manufactured in the UK and Guaranteed for 25 Years (Components 2 Years).

* with Twin coil Only



Technical specifications

Code	Vol LTR	Size Dia x Hgt mm	Area Sq Mtr Lower Solar Coil	Area Sq Mtr Heat Pump Coil	HP Coil kW Rating*	EX Vessel Capacity	Heat Loss kWh/20HR S AT 50	Weight Empty KG	Solar Volume
HP 150 Single Coil	150	575 X 1083	-	2	28	12 Litres	0.99	44	-
HP 215 Single Coil	215	575 X 1485	-	3	40	18 Litres	1.41	54	-
HP 255 Single Coil	255	575 X 1750	-	3	40	24 Litres	1.49	57	-
HP 305 - 3 Single Coil	305	575 X 2023	-	3	40	24 Litres	1.63	61	-
HP 305 - 4 Single Coil	305	575 X 2023	-	4	55	24 Litres	1.63	63	-
HPL 400** Single Coil	400	580 X 2190	-	3	40	35 Litres	2.25	85	-
HPL 500** Single Coil	500	662 X 1998	-	3	40	50 Litres	2.60	101	-
HPS 215 Twin Coil	215	575 X 1485	1.10	2	28	18 Litres	1.41	57	80
HPS 255 Twin Coil	255	575 X 1750	1.10	2	28	24 Litres	1.49	58	80
HPS 305 - 3 Twin Coil	305	575 X 2023	1.10	3	40	24 Litres	1.63	64	90
HPSL 400** Twin Coil	400	580 X 2190	1.10	3	40	35 Litres	2.25	93	170
HPSL 500** Twin Coil	500	662 X 1998	1.10	3	40	50 Litres	2.60	114	200

* At 40oC T, 55oC output, 25 litres/minute flow

**Available with low resistant coil only