

Envirocyl™ Single Coil Heat Pump Cylinder

Envirocyl™ single coil heat pump cylinders have been designed specifically for use with an air source heat pump as the main energy source.

The cylinders feature a purpose-designed air source heat pump coil with a large surface area to allow maximum heat transfer of renewable energy into the stored water. A factory-fitted 3 kW immersion heater is also supplied as standard.

Available in a range of capacities, the cylinders are recommended for use with a Firebird Enviroair™ air source heat pump.



Connections

- A** 22mm cold feed with dip pipe to diffuser
- B** 22mm hot water outlet
- C** Immersion heater*
- D2** 22mm heat pump connection (Return)
- D3** Heat pump connection (Flow)
- E** 1/2" NPT x 15mm temperature & pressure relief valve*
- F** 22mm secondary return (cylinders with a capacity of 210 litres and above only)
- G** Dry stat pocket

Connection Locations

Nominal Cap. (L)	A	B	C	D	E	F	G	H
	(mm)							
180	681	1308	650	175	519	1080	n/a	650
210	681	1496	650	175	519	1270	1150	650
250	681	1746	650	175	519	1520	1400	650
300	681	2059	650	175	519	1830	1600	650

*Factory fitted

Product Information

Product Code	Capacity Litres	Height mm	Diameter mm	ErP Rating*	Standing Loss
ASH180TNK	180	1308	550	C	69
ASH210TNK	210	1496	550	C	73
ASH250TNK	250	1746	550	C	91
ASH300TNK	300	2055	550	C	87
ASH400TNK	400	1656	693	C	102

Technical Information

Product Code	DHW Expansion Vessel Litres	Weight (empty) kg	Heat-up Time min	ASHP Coil kW	Heat Loss kW/24h	3 kW Immersion Heater
ASH180TNK	18	45	Refer to Enviroair™ Installation Manual	30.1	1.66	X 1
ASH210TNK	18	50		28.5	1.76	X 1
ASH250TNK	18	55		27.0	2.19	X 1
ASH300TNK	18	60		25.6	2.09	X 1
ASH400TNK	25	87		24.2	2.45	X 1

Supplied with



Acetal tundish
22mm x 15mm



Inlet control set
with balanced cold 22mm x 15mm



Twin port valves
22mm



Potable water expansion vessel



Dual thermostat



Temperature & pressure relief valve**
1/2" NPT x 15mm (7 bar/90°C)



Immersion heater**
3kW – 14"

* Based on thermostat set at 60°C

**Factory fitted