



S-Cyl Slim Pre-Plumbed Heat Pump Cylinder

150L-180L



High quality British manufactured stainless steel domestic hot water solutions designed for any application.

World Heat Cylinders manufacture a full range of unvented pre-plumbed heat pump cylinders specifically for connection to Samsung air source heat pump systems.

All of our cylinders are manufactured from high quality stainless steel under an ISO9001 certified quality management system in our purpose made manufacturing facility in Manchester.

Key features

- Pre-plumbed for Samsung heat pumps
- Includes the Samsung FN touch screen controller
- Sizes from 150 to 180 litres
- Slimline: 475 mm wide
- Integrated 30 L stainless steel buffer
- Heat pump coil 2.29 m²
- 3 kW immersion heater in the cylinder and another in the buffer
- Fitted with an A-rated circulating pump, a 2-port heating zone valve, a 3-port hot water diverter valve and a 28 mm magnetic filter
- Primary pipework and components are all 28 mm compression
- Potable expansion vessel and 28 mm flow sensor supplied separately
- ErP class C
- 25 year guarantee on stainless steel unvented cylinders up to 300 litres, subject to annual servicing.

✓ Supplied with the full G3 sealed system kit for the application

Model	150 SCYLPPSLIMSS	180 SCYLPPSLIMSS
Nominal capacity (litres)	150	180
Overall cylinder dimensions H x W x D (mm)	1824 x 475 x 625	2040 x 475 x 625
Packaged dimensions H x W x D (mm)	1924 x 600 x 900	2140 x 600 x 900
Integrated buffer (litres)	30	30
Weights (kg)	Empty	80
	Full	260
	Packaged	85
Unvented expansion vessel	Nominal volume	12L
	Charge pressure	3.0 Bar
		3.0 Bar
Control & relief valve pressure settings	Mains inlet pressure regulator	3.0 Bar
	Expansion relief valve	6.0 Bar
	T&P relief valve	7.0 Bar & 90°C
Control & overheat safety thermostat settings	DHW control stat	Samsung FN touch screen controller
	High limit stat	Mechanical 90°C
	Voltage	230 - 240 V
	Electronic immersion	Samsung FN touch screen controller
Cylinder material	Duplex StainlessSteel	Duplex StainlessSteel
DHW immersion heater duty	3kW (13 Amps 230V ac)	3kW (13 Amps 230V ac)
Primary (buffer) immersion heater duty	3kW (13 Amps 230V ac)	3kW (13 Amps 230V ac)
Heating surface area (m ²)	2.29	2.29
Secondary return	No	No

Model	150 SCYLPPSLIMSS	180 SCYLPPSLIMSS
Insulation type	Polyurethane (PU) Insulation with CO2 Blowing Agent	
Insulation thickness	50mm	50mm
System circulating pump	Grundfos UPM3 8m head, A rated	Grundfos UPM3 8m head, A rated
Central heating zone valve	Honeywell 28mm, 2 port (1 No.)	Honeywell 28mm, 2 port (1 No.)
Domestic hot water zone valve	Honeywell 28mm, 3 port diverter (1 No.)	Honeywell 28mm, 3 port diverter (1 No.)
Central heating controller	3rd party controls	3rd party controls
Hot water controller	Samsung controller and dual thermostat	Samsung controller and dual thermostat
Magnetic filter	28mm magnetic filter	28mm magnetic filter
Flow setter valve	28mm inline flow sensor (supplied loose)	28mm inline flow sensor (supplied loose)
Primary pressure drop of cylinder pipework	11kPa @ 17 litres per minute	11kPa @ 17 litres per minute
Re-heat time	35 - 45 minutes	35 - 45 minutes
Standing heat loss (W)	69.17	74.58
ErP rating	C	C
ODP of insulation	0	0
GWP of insulation	Less than 5	Less than 5
Primary flow rate	17 litres per minute (Primary pressure drop of cylinder pipework: 11kPa)	
Supply lead time	1 - 2: 7 to 10 Days; 3 - 9: 10 to 14 Days; 10 - 20: 3 to 4 Weeks; 21+: 4 to 5 Weeks	
Lead time information	Lead times are live information and change. Shown as at 17 October 2026. Please check current lead times with World Heat sales on 0161 343 8610.	

* All pictures shown are for illustration purposes only

