



U-Cyl Plus Pre-Plumbed Heat Pump Cylinder

150L-300L



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 for connection to all air source heat pump systems, with the tank kit included.

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

- Universal: pre-plumbed for all heat pumps
- Integral pre-wired relay for a volt free heating signal, for heat pumps that need volt free switching
- Integral pre-wired relay for 13 Amp switching of immersion heaters for legionella protection, where the heat pump can't switch 13 Amps
- Integrated stainless steel buffer
- Saves installation time
- Prevents installation faults
- 25 year manufacturing warranty on the stainless vessel
- 12 month manufacturing warranty on components
- Highly insulated (ErP rated)
- Full system unvented kits
- WRAS approved product
- ISO9001 certified quality management
- Potable expansion vessel and 28mm flow setter supplied separately
- Primary pipework and components are all 28mm compression

Model	150 UCYLSSPLUS	180 UCYLSSPLUS	210 UCYLSSPLUS	250 UCYLSSPLUS	300 UCYLSSPLUS
Nominal capacity (litres)	150	180	210	250	300
Overall cylinder dimensions H x W x D (mm)	1424 x 550 x 700	1550 x 550 x 700	1738 x 550 x 700	1988 x 550 x 700	1994 x 600 x 750
Integrated buffer (litres)			50		
Weights (kg)	Empty	78	82	88	94
	Full	278	312	348	394
	Packaged	77	81	86	92
Unvented expansion vessel	Nominal volume	12L	19L	19L	24L
	Charge pressure			3.0 Bar	
	Mains inlet pressure regulator			3.0 Bar	
Control & relief valve pressure settings	Expansion relief valve			6.0 Bar	
	T&P relief valve			7.0 Bar & 90°C	
	DHW control stat			Heat pump controls	
Control & overheat safety thermostat settings	High limit stat			Mechanical 90°C	
	Voltage			230 - 240 V	
	Electronic immersion			Heat pump controls / third party timer	
Cylinder material	Duplex stainless steel (25 year manufacturing warranty)				
DHW immersion heater duty	3kW (13 Amps 230V ac)				
Primary (buffer) immersion heater duty	3kW (13 Amps 230V ac)				
Heating surface area (m ²)	2.29	2.29	3.31	3.31	3.31
Secondary return	No	No	Yes	Yes	Yes
Insulation type	Polyurethane (PU) insulation with CO2 blowing agent				
Insulation thickness	50mm				
System circulating pump	Grundfos UPM3 8m head, A rated				
Central heating zone valve	Honeywell 28mm, 2 port (1 No.)				
Domestic hot water zone valve	Honeywell 28mm, 3 port diverter (1 No.)				
Central heating controller	3rd party controls				
Hot water controller	Heat pump controls				
Magnetic filter	28mm magnetic filter				
Flow setter valve	28mm inline flow setter (supplied separately)				
Primary pressure drop of cylinder pipework	16kPa @ 17 litres per minute				
Re-heat time	35 - 45 minutes				
Standing heat loss (W)	64.58	71.25	78.75	87.5	92.5
ErP rating	C				
ODP of insulation	0				
GWP of insulation	Less than 5				

* Solar twin coil units available on request

** Bespoke cylinders available on request


MADE IN
MANCHESTER