Product Information

World Heat Cylinders

V-Cyl & V-Cyl Slimline

Pre-Plumbed Heat Pump Cylinders

V-CYL-S WORLD HEAT CYLINDERS

Distributors

WORLD HEAT CYLINDERS

MADE IN MANCHESTER

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 LG 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 LG Heat Pumps***
- **Integrated 50/25L Stainless Steel Buffer**
- **Saves Installation Time**
- **Prevents Installation Faults**
- **25 Year Manufacturing Warranty on 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 & 28mm Flow Setter Supplied Separately**
- **Primary Pipe Work and Components are all 28mm Compression**

V-CYL-S WORLD HEAT CYLINDERS

World Heat Cylinders
Unit 4
Tudor Industrial Estate
Ashton Street
Dukinfield
Cheshire

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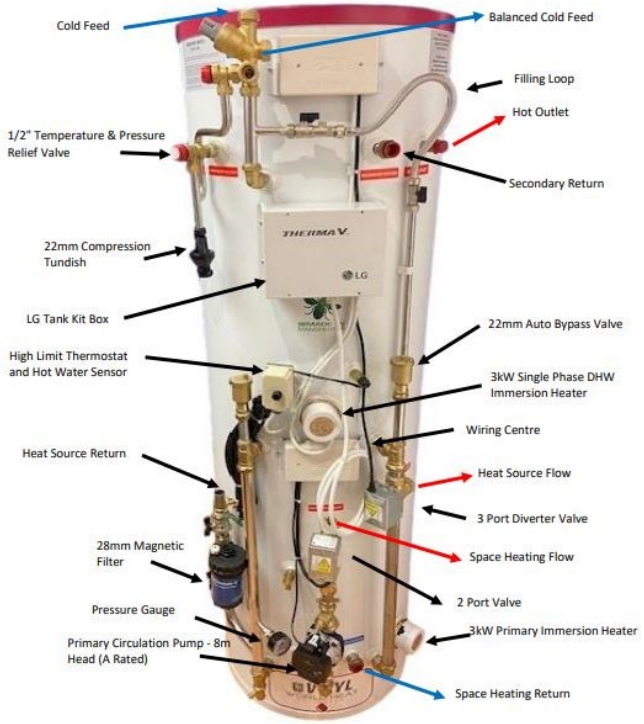
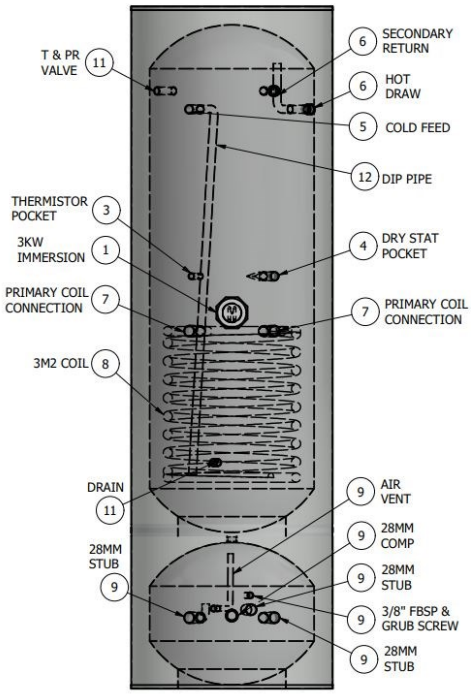
Fax: 0161 343 5585
Email: sales@whcylinders.co.uk

* LG Heat Pump not included





All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

WH Model Reference		150VCYLPP	180VCYLPP	210VCYLPP	250VCYLPP	300VCYLPP	150VCYLPPSLIM	180VCYLPPSLIM
Nominal Capacity (Litres)		150	180	210	250	300	150	180
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200	2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650	1900x475x525	2085x475x525
Weights (kg)	Empty	65.5	69.5	75	81	88	65.5	69.5
	Full	215.5	249.5	285	331	388	215.5	249.5
	Packaged	77	81	86	92	99	77	81
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L	12L	19L
	Charge Pressure	3.0 Bar						
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator	3.0 Bar						
	Expansion Relief Valve (Cold)	6.0 Bar						
	T&P Relief Valve	7.0 Bar & 90^{0}C						
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/ OFF	LG RS3 Controller						
	High Limit Stat	Mechanical 90^{0}C						
	Voltage	230 - 240 V						
	Electronic Immersion Timer	LG RS3 Controller & LG Tank Kit						
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		2m^2	2m^2	3m^2	3m^2	3m^2	2m2	2m2
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		LG RS3 Controller						
Magnetic Filter		28mm Magnetic Filter						
Flow Setter Valve		28mm Inline Flow Setter (Supplied Separately)						
Primary Pressure Drop of Cylinder Pipe Work		16kPa @ 17 Litres per minute						
Re-Heat Time		35—45 Minutes						
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6	64.58	69.3
ERP Rating		B	B	B	B	B	B	B
GWP of Insulation		0	0	0	0	0	0	0
ODP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5	Less than 5

Solar Twin Coil units available on request
Bespoke cylinders available on request

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