

Product Information
World Heat Cylinders
LG Pre-Plumbed Heat Pump Cylinders



WORLD HEAT
CYLINDERS



**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**
- **Saves installation time**
- **Prevents installation faults**
- **25 Year manufacturing warranty on stainless vessel**
- **12 months on components**
- **Highly insulated Part L compliant**
- **Full system unvented kits**
- **WRAS approved product**



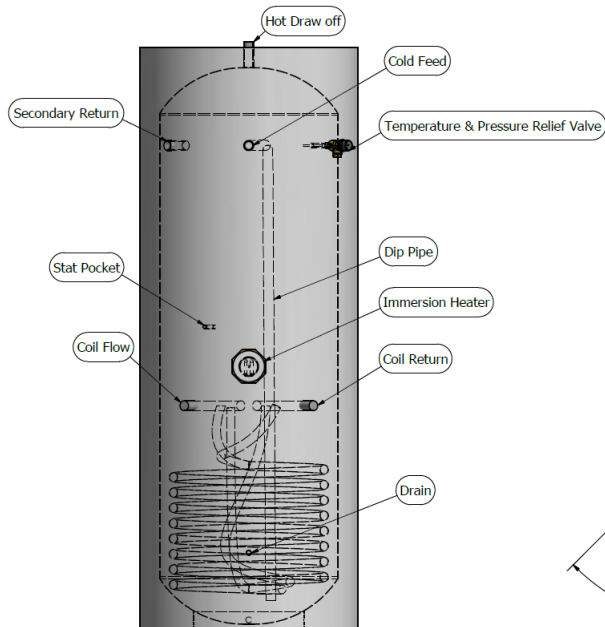
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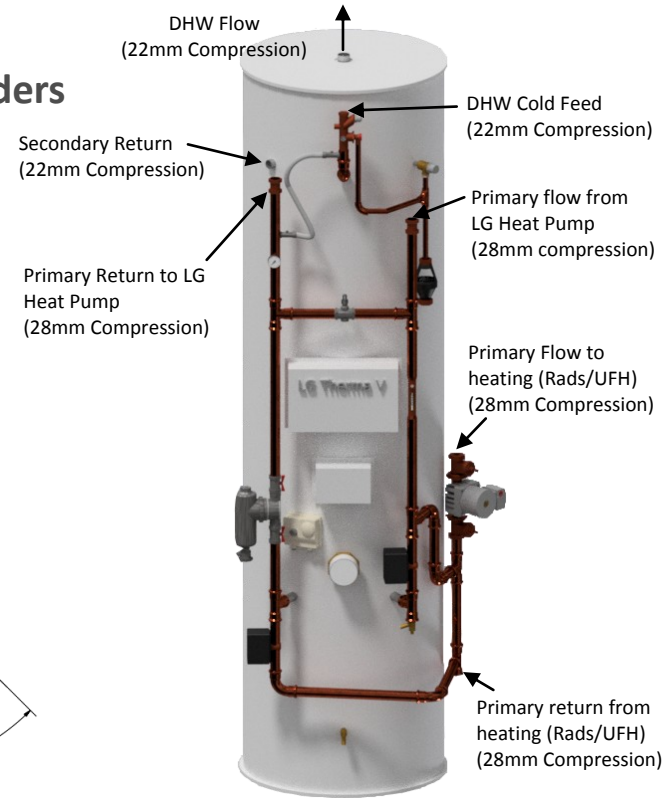
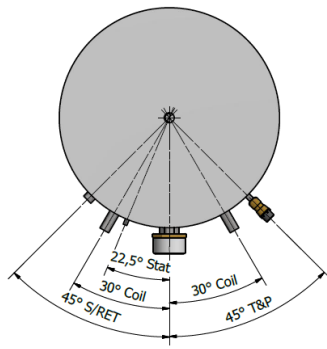
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Dimensional Drawing

WH Cylinders LG Pre-Plumbed Heat Pump Cylinders



Honeywell CMT927 Controller included



WH Model Reference	ECOSLIM 150-PP-LG	ECOSLIM 180-PP-LG	CLIMACYL 210-PP-LG	CLIMACYL 250-PP-LG	CLIMACYL 300-PP-LG
Nominal Capacity (Litres)	150	180	210	250	300
Overall Packaged Dimensions HxWxD (mm)	2180 x 800 x 1200	2250 x 800 x 1200	1800 x 800 x 1200	2020 x 800 x 1200	2330x 800 x 1200
Overall Cylinder Dimensions HxWxD (mm)	1880 x 475 x 605	1950 x 475 x 605	1500 x 550 x 680	1719 x 550 x 680	2032x 550 x 680
Weights (KG)	Empty	65.5	69.5	75	88
	Full	215.5	249.5	285	331
	Packaged	77	81	86	92
Unvented Expansion Vessel	Nominal Volume (Litres)	12	19	19	19
	Charge Pressure (Bar)	3.0			
Control & Relief Valve Pressure Settings	Mains Inlet Pressure Regulator (Bar)	3.0			
	Expansion Relief Valve (Cold)	6.0			
	T & P Relief Valve	7.0 Bar & 90°C			
Control & Overheat Safety Thermostat Temperature Settings	Control Stat	LG Controller			
	High Limit Stat	Mechanical 90 deg C			
	Voltage	230 - 240 V			
	Electronic Immersion Timer	LG Controller			
Cylinder Material	Duplex Stainless Steel (25 year manufacturing warranty)				
Immersion Heater Duty (KW)	3KW				
Heating Surface Area (M ²)	2M ²	3M ²	3M ²	3M ²	3M ²
Insulation Type	Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation Thickness (mm)	50mm				
System Circulating Pump	Grundfos UPM3				
Central Heating Zone Valve	Honeywell 28mm, 2 port (1 No.)				
Domestic Hot Water Zone Valve	Honeywell 28mm, 2 port (1 No.)				
Central Heating Controller	Honeywell CMT927, 7 Day Wireless Programmable Room Thermostat				
Hot Water Controller	LG Main Controller				
Magnetic Filter	28mm Fernox TF1 Omega				
Flow Setter Valve	28mm Inline Flow Setter				
Primary Pressure Drop of Cylinder Pipe Work	16kPa @ 17 Litres per minute				
Recommended Maximum Pipe Length from Outdoor Unit	XX Meters of 28mm (Guidance only - Pressure drop should be checked by installer)				
Standing Heat Loss (Watts)	64.58	69.3	78.9	90.4	92.6
ERP Rating	C	C	C	C	C
GWP of Insulation	0	0	0	0	0
ODP of Insulation	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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Components

