

Product Information

World Heat Cylinders

Samsung—Pre-Plumbed Heat Pump Cylinders

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**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*
- Integrated Low Loss Header
- 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
- Primary Pipe Work and Components are all 28mm Compression

Samsung- Plumbed Heat Pump Cylinders with an Integrated Low Loss Header

Product Reference	Description	Coil Area
150SAMSUNGPPMIDSUM	150 Litre Samsung Pre-Plumbed Air Source Heat Pump Cylinder with Low Loss Header	2m ²
180SAMSUNGPPMIDSUM	180 Litre Samsung Pre-Plumbed Air Source Heat Pump Cylinder with Low Loss Header	2m ²
210SAMSUNGPPMIDSUM	210 Litre Samsung Pre-Plumbed Air Source Heat Pump Cylinder with Low Loss Header	3m ²
250SAMSUNGPPMIDSUM	250 Litre Samsung Pre-Plumbed Air Source Heat Pump Cylinder with Low Loss Header	3m ²
300SAMSUNGPPMIDSUM	300 Litre Samsung Pre-Plumbed Air Source Heat Pump Cylinder with Low Loss Header	3m ²

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Carriage Paid Delivery on 4 Mixed units on World Heat Transport
Carriage Charge for Single units = £50



WH Model Reference		150 Slimline	180 Slimline	210	250	300
Nominal Capacity (Litres)		150	180	210	250	300
Overall Shipping Dimensions H x W x D (mm)		1725x600x900	2050x600x900	1920x600x900	2220x600x900	2125x1200x1200
Overall Cylinder Dimensions H x W x D (mm)		1470x475x525	1800x475x525	1464x550x600	1714x550x600	2027x550x600
Weights (kg)	Empty	65.5	69.5	75	81	88
	Full	215.5	249.5	285	331	388
	Packaged	77	81	86	92	99
Unvented Expansion Vessel	Nominal Volume	12L	19L	19L	19L	24L
	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°C				
Control & Overheat Safety Thermostat Temperature Settings	DHW Control Stat ON/OFF					
	High Limit Stat	Mechanical 90°C				
	Voltage	230 - 240 V				
Cylinder Material		Duplex Stainless Steel (25 year manufacturing warranty)				
DHW Immersion Heater Duty		2 X 3kW (13 Amps 230v ac)				
Heating Surface Area		2m ²	2m ²	3m ²	3m ²	3m ²
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent				
Insulation Thickness		50mm				
System Circulating Pumps		2 x Grundfos UPM3—8m Head—A Rated (1 x heat pump circuit & 1 x heating circuit)				
Domestic Hot Water Zone Valve		Mut Meccanica 28mm, 3 port Diverter (1 No.)				
Central Heating Controller		3rd party controls				
Hot Water Controller		Samsung Controller				
Magnetic Filter		28mm Magnetic Filter				
Standing Heat Loss (W)		64.58	69.3	78.9	90.4	92.6
ERP Rating		B	B	B	B	B
ODP of Insulation		0	0	0	0	0
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5