

Product Information

World Heat Cylinders

E-Cyl-V1

Pre-Plumbed Heat Pump Cylinders for Mitsubishi Ecodan

Issue: April 21



Distributors



**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 Mitsubishi Ecodan Air Source Heat Pump Systems.



World Heat Cylinders
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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

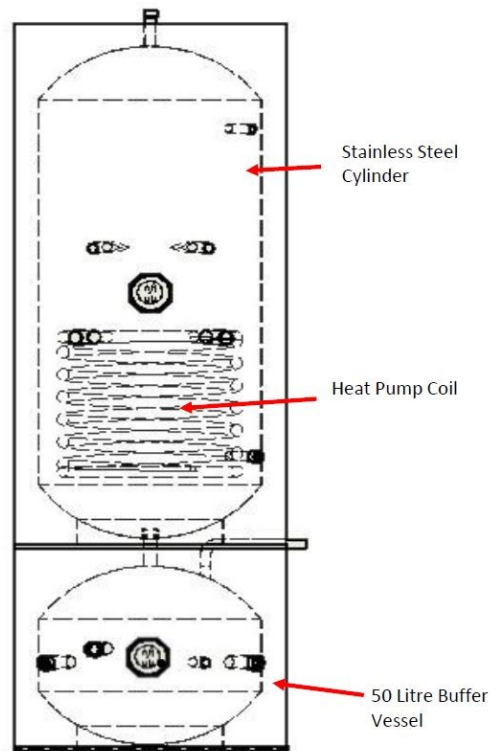
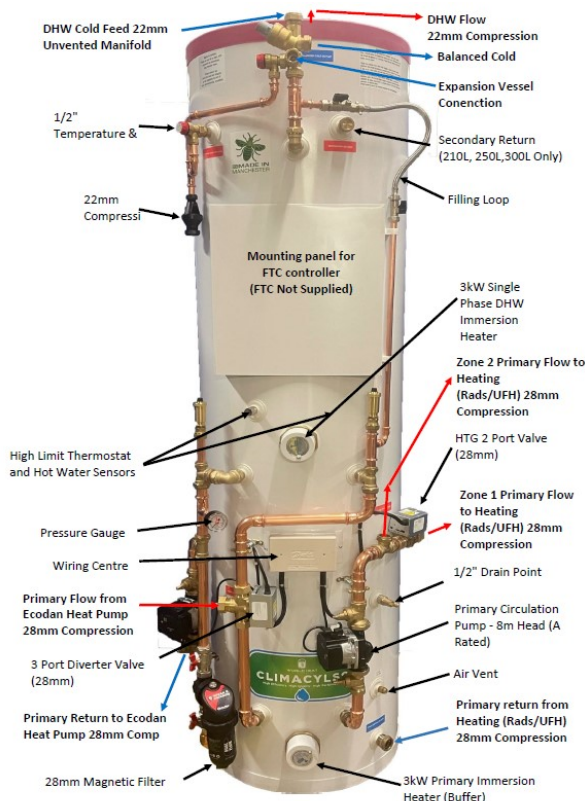
- Pre-plumbed for Mitsubishi Ecodan Heat Pumps*
- Integrated Stainless Steel Buffer for Hydraulic Separation
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- Full 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

E-Cyl Pre-Plumbed Heat Pump Cylinders with an Integrated Buffer Vessel

Product Reference	Description	Coil Area	List Price (Excluding VAT)
150ECYLPP	150 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²	£1,256.00
180ECYLPP	180 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	2m ²	£1,288.00
210ECYLPP	210 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²	£1,311.00
250ECYLPP	250 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²	£1,334.00
300ECYLPP	300 Litre E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 50L Buffer	3m ²	£1,639.00

Carriage paid delivery on 4 mixed units on World Heat transport
carriage charge for single units = £80

* Ecodan Heat Pump not included



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

WH Model Reference		150ECYLPP	180ECYLPP	210ECYLPP	250ECYLPP	300ECYLPP
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)		1505x550x600	1630x550x600	1820x550x600	2020x550x600	2020x600x650
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	Ecodan FTC Controller (Not Supplied)				
	High Limit Stat	Mechanical 90°C				
	Voltage	230 - 240 V				
	Electronic Immersion Timer	Ecodan FTC Controller (Not Supplied)				
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
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		Ecodan FTC Controller/3rd party controls (Not Supplied)				
Hot Water Controller		Ecodan FTC Controller (Not Supplied)				
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
ERP Rating		B	B	B	B	B
GWP of Insulation		Less than 5	Less than 5	Less than 5	Less than 5	Less than 5
ODP of Insulation		0	0	0	0	0

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

