

## Product Information

### World Heat Cylinders

#### E-Cyl-V1

Pre-Plumbed Heat Pump Cylinders for Mitsubishi Ecodan

Issue: April 21



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 Mitsubishi Ecodan Air Source Heat Pump Systems.



World Heat Cylinders  
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Tudor Industrial Estate  
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Cheshire

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Email: sales@whcylinders.co.uk

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

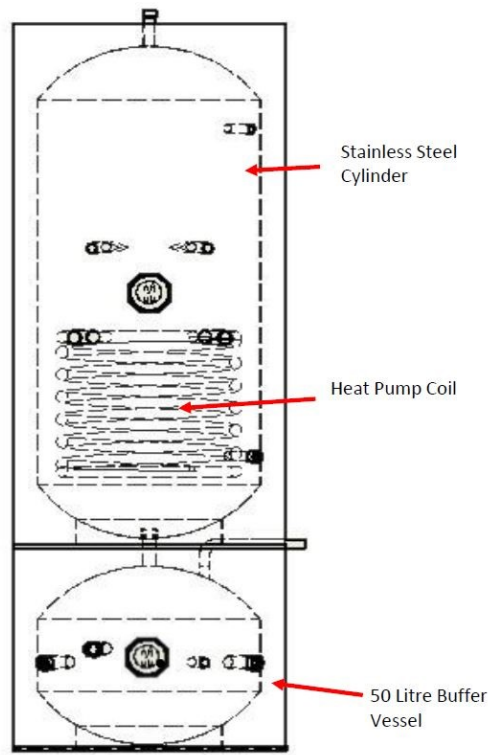
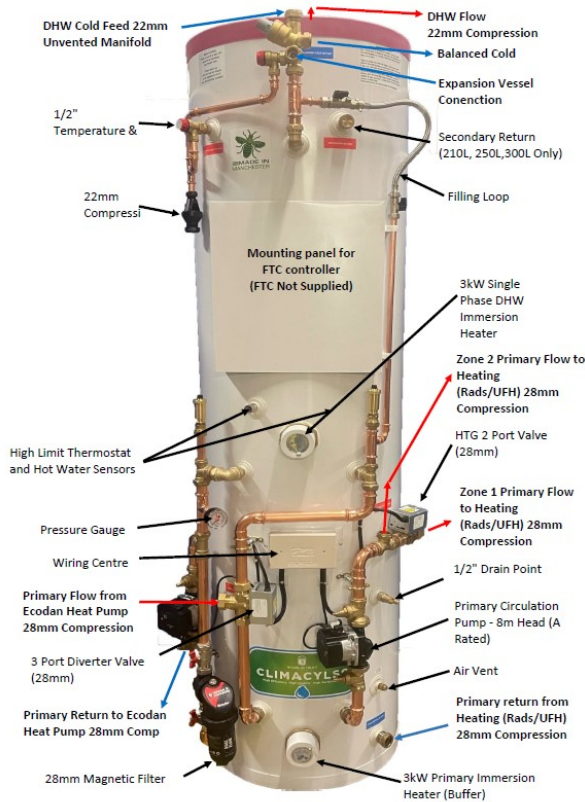
- Pre-plumbed for Mitsubishi Ecodan Heat Pumps\*
- Integrated Stainless Steel Buffer for Hydraulic Separation
- Saves Installation Time
- Prevents Installation Faults
- 25 Year Manufacturing Warranty on Stainless Vessel
- 12 Month Manufacturing Warranty on Components
- Highly Insulated (ERP Rated)
- 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)
150ECYLPPS	150 Litre Slimline E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m <sup>2</sup>	£1,270.00
180ECYLPPS	180 Litre Slimline E-Cyl Pre-Plumbed Air Source Heat Pump Cylinder with 25L Buffer	2m <sup>2</sup>	£1,346.00

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		150E-CYLPPSLIM	180E-CYLPPSLIM
Nominal Capacity (Litres)		150	180
Overall Shipping Dimensions H x W x D (mm)		2000x600x900	2100x600x900
Overall Cylinder Dimensions H x W x D (mm)		1900x475x525	2085x475x525
Weights (kg)	Empty	65.5	69.5
	Full	215.5	249.5
	Packaged	77	81
Unvented Expansion Vessel	Nominal Volume	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°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 <sup>2</sup>	2m <sup>2</sup>
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
ERP Rating		B	B
GWP of Insulation		Less than 5	Less than 5
ODP of Insulation		0	0

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

