



Pre-plumbed space heating and domestic hot water solution for Ecodan monobloc air source heat pumps

The optimised pre-plumbed cylinder comes complete with integrated hydraulic components and advanced self-learning controls.

Designed to integrate with the Ecodan monobloc air source heat pump range, the pre-plumbed cylinder unit provides improved performance with a simple to use graphical interface controller. Fast on site commissioning is now available via a pre-programmed SD card.

Key Features

- Simple graphical control
- 2-Zone energy efficient space heating control
- Compatible with Mitsubishi Electric wireless room controllers
- Pre-plumbed and wired for faster installation
- Factory fitted Fernox TF1 filtration system
- Bivalent function, for use with conventional boilers
- SD card commissioning
- Cascade function for multiple unit control



Air Conditioning | Heating
Ventilation | Controls



SELF LEARNING CONTROLLER

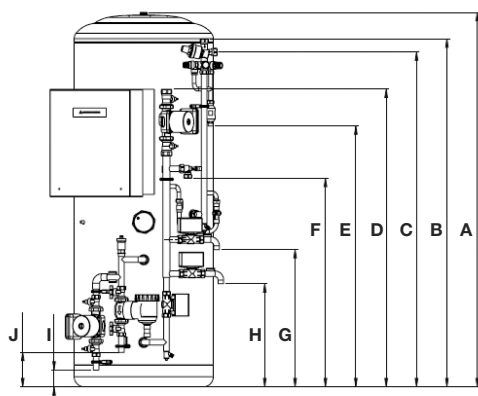


Mitsubishi Electric's fourth-generation controller includes intelligent, self-learning room temperature control as standard. This together with advanced weather compensation ensures the system delivers efficient, comfortable heating regardless of the season.

PRE-PLUMBED CYLINDER UNIT		HU150FTC4ST	HU180FTC4ST	HU210FTC4ST	HU250FTC4ST	HU300FTC4ST
Nominal Domestic Hot Water Storage Volume (Litres)		150	180	210	250	300
Overall Cylinder Dimensions (mm)*	Width	550	550	550	550	550
	Depth	550	550	550	550	550
	Height	1281	1281	1469	1719	2032
Empty Cylinder Weight (kg)		87.4	92.8	97.7	103.2	113
Unvented Store Expansion Vessel	Nominal Volume (Litres)	12	19	19	19	24
	Charge Pressure (Bar)	3.0	3.0	3.0	3.0	3.0
Control / Relief Valve Pressure Settings	Mains Inlet Pressure Regulator (Bar)	3.0	3.0	3.0	3.0	3.0
	Expansion Relief Valve (CW) (Bar)	6.0	6.0	6.0	6.0	6.0
	P & T Valve (Bar / °C)	7.0 / 90	7.0 / 90	7.0 / 90	7.0 / 90	7.0 / 90
Backup Immersion Heater Rating (kW)		3	3	3	3	3
Insulation Thickness (mm)		50	50	50	50	50
Ozone Depletion Potential		0	0	0	0	0
Global Warming Potential		< 5	< 5	< 5	< 5	< 5
Heat Pump Circuit Circulating Pump		UPS2 25-60 130 (2no.)				
DHW Circuit Zone Valve (mm)		22 (1no.)	22 (1no.)	22 (1no.)	22 (1no.)	22 (1no.)
CH Circuit Zone Valve (mm)		22 (1no.)	22 (1no.)	22 (1no.)	22 (1no.)	22 (1no.)
Control & Overheat Safety Thermostat Temperature Settings	Control Stat (°C)	65	65	65	65	65
	Voltage, Hertz	230-240v, 50Hz	230-240v, 50Hz	230-240v, 50Hz	230-240v, 50Hz	230-240v, 50Hz
Number of Zones		1	2	2	2	2
Wireless Room Thermostat		Optional - PAR-WT50-E				
Wireless Receiver		Optional - PAR-WR51-E				

*Minimum cupboard footprint 750x750mm

DIMENSIONS



- A Hot Water Outlet
- B Cold Mains Inlet
- C Balanced Outlet
- D Heat Pump Flow
- E Tundish Outlet
- F Automatic Bypass Valve
- G Heating Zone Valve 1
- H Heating Zone Valve 2
- I Heating Return
- J Heat Pump Return

Model	HU150FTC4ST	HU180FTC4ST	HU210FTC4ST	HU250FTC4ST	HU300FTC4ST
A	1290	1291	1479	1729	2042
B	921	937	1363	1363	1688
C	869	885	1311	1311	1636
D	1176	1176	1176	1176	1176
E	417	605	1031	1043	1356
F	824	824	824	824	824
G	N/A	542	542	542	542
H	407	407	407	407	407
I	66	66	66	66	66
J	136	136	136	136	136

For further information please refer to the installation manual



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