

Configuration Settings (from default)

DIP SWITCH	SETTING	FUNCTION
SW1–1 (FTC7)	ON	WITH BOILER
SW1–3 (FTC7)	OFF	WITHOUT DHW TANK
SW1–4 (FTC7)	OFF	WITHOUT IMMERSION HEATER
SW2–1 (FTC7)	ON	ZONE1 OPERATION STOP AT THERMOSTAT OPEN
SW2–6 (FTC7)	ON	WITH MIXING TANK
SW2–8 (FTC7)	ON	WITH FLOW SENSOR
SW8–3 (OUTDOOR)	ON	INDEPENDENT POWER SUPPLIES

TABLE 1

EQUIPMENT	RECOMMENDED PRIMARY PIPE WORK (mm)	FLOW RATE RANGE (L/MIN)	MIN. SPACE HEATING CIRCUIT VOL. (L)	STARTING CURRENT (A)	MAX CURRENT (A)	MCB (A)	MIN. CABLE (mm ²)
PUZ–WZ50VAA	22	6.5–14.3	7	2	13	16	1.5
PUZ–WZ60VAA	22	6.5–17.2	9	2	13	16	2.5
PUZ–WZ85VAA	28	7.2–27.2	12	2	23	25	2.5
PUZ–WZ85YAA	28	7.2–27.2	12	2	12	16	1.5
PUZ–WZ100VAA	35	10.0–34.4	13	2	30	32	4
PUZ–WZ100YAA	35	10.0–34.4	13	2	12	16	1.5
PUZ–WZ120VAA	35	10.0–34.4	17	2	37	40	6
PUZ–WZ120YAA	35	10.0–34.4	17	2	12	16	1.5
FTC7 BOARD					10	16	1.5
IMMERSION H.					13	16	2.5

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All dimensions are in mm unless otherwise stated

For information only, DO NOT SCALE drawing

All works shall be carried out in accordance with the Specification

Contractor must verify all dimensions on site before commencing any work or shop drawings

LEGEND

	AAV AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)
	IV ISOLATING VALVE
	DOC DRAIN OFF COCK
	NRV NON RETURN VALVE
	DRV DOUBLE REGULATING VALVE
	PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE
	STR STRAINER
	BV BYPASS VALVE
	FC FLEXIBLE CONNECTION
	PRV PRESSURE REDUCING VALVE
	PG PRESSURE GAUGE
	P PUMP
	TEMPERATURE SENSOR
	TF1 FILTER/STRAINER
	FS FLOW SENSOR
	SCALE TRAP
	BFPD BACK FLOW PREVENTION DEVICE (if fitted)

REV	DESCRIPTION	DESN	CHKD	DATE
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CLIENT

PROJECT

FTC7 Standalone Hybrid 1 x Heating

TITLE
MECHANICAL SERVICES
MITSUBISHI ECODAN FTC7
STANDALONE HYBRID SYSTEM/COMBI BOILER
1 HEATING ZONE

SCALE	NTS	ORIGINAL SIZE	A0	DATE	MARCH 2025
DRAWN	M. G.	DESIGNED	M. G.	INIT	CHECKED
DRAWING NUMBER	MEU–UK/FTC7/WZXXX/SH/1Z			REVISION	1

NOTES

- After removing the air, automatic air vent(s) must be closed.
- The Ecodan outdoor unit must be installed on anti-vibration mounts. Rubber mounting blocks are recommended.
- Adequate provision should be made to prevent condensate from collecting around the outdoor units. A soak away, drip tray or drain socket set can be used.
- Flexible connections shall be used to connect the Ecodan unit to the primary pipe work.
- It is the responsibility of the installing contractor to provide adequate protection against freezing of pipe work. MEUK recommend 25% glycol dosage of the primary circuit. If the water circuit freezes and damages the equipment the warranty will become void.
- All water systems should be designed, installed and commissioned in accordance with industry good practice guidelines; such as, but not limited to: BSRIA Guide BG2/2010 - Water System Commissioning, BSRIA Guide BG29/2011 - Pre-Commissioning of Pipework Systems, BSRIA Guide BG50/2013 - Water Treatment for Closed Heating & Cooling Systems, CIBSE Commissioning Code W - Water distribution systems.
- Isolation valves and flushing bypass circuit are recommended for the outdoor unit. This is best practice and not required for warranty purposes.
- The contractor should make the necessary arrangements to ensure the design of the system meets the requirement of the application and comply with all current building regulations.
- All electrical work must be carried out in accordance with the current version of BS7671.
- Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.
- Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'.