

HEAT PUMP FLOW & RETURN CONNECTIONS

CYLINDER MODEL CODE	SIZE (mm)
EHPT15X-UKHLDW1S	22
EHPT17X-UKHLDW1S	22
EHPT15X-UKHLDW1S	22
EHPT17X-UKHLDW1S	22
EHPT21X-UKHLDW1S	22
EHPT21X-UKHLDW1L	28
EHPT25X-UKHLDW1L	28
EHPT30X-UKHLDW1L	28

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-WM50VHA	22	6.5-14.3	7	2	13	16	1.5
PUZ-WM60VAA	22	8.6-17.2	9	2	13	16	2.5
PUZ-WM85VAA	28	10.8-24.4	12	2	22	25	2.5
PUZ-WM85YAA	28	10.8-24.4	12	2	11.5	16	1.5
PUZ-WM112VAA	35	14.4-32.1	16	2	28	32	4
PUZ-WM112YAA	35	14.4-32.1	16	2	13	16	1.5
PUZ-HWM140VHA	35	17.9-40.1	20	2	35	40	6
PUZ-HWM140YHA	35	17.9-40.1	20	2	13	16	1.5
FTC6 BOARD					10	16	1.5
IMMERSION H.					13	16	2.5 H05VV-F Sheathed

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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

Configuration Settings (from default)

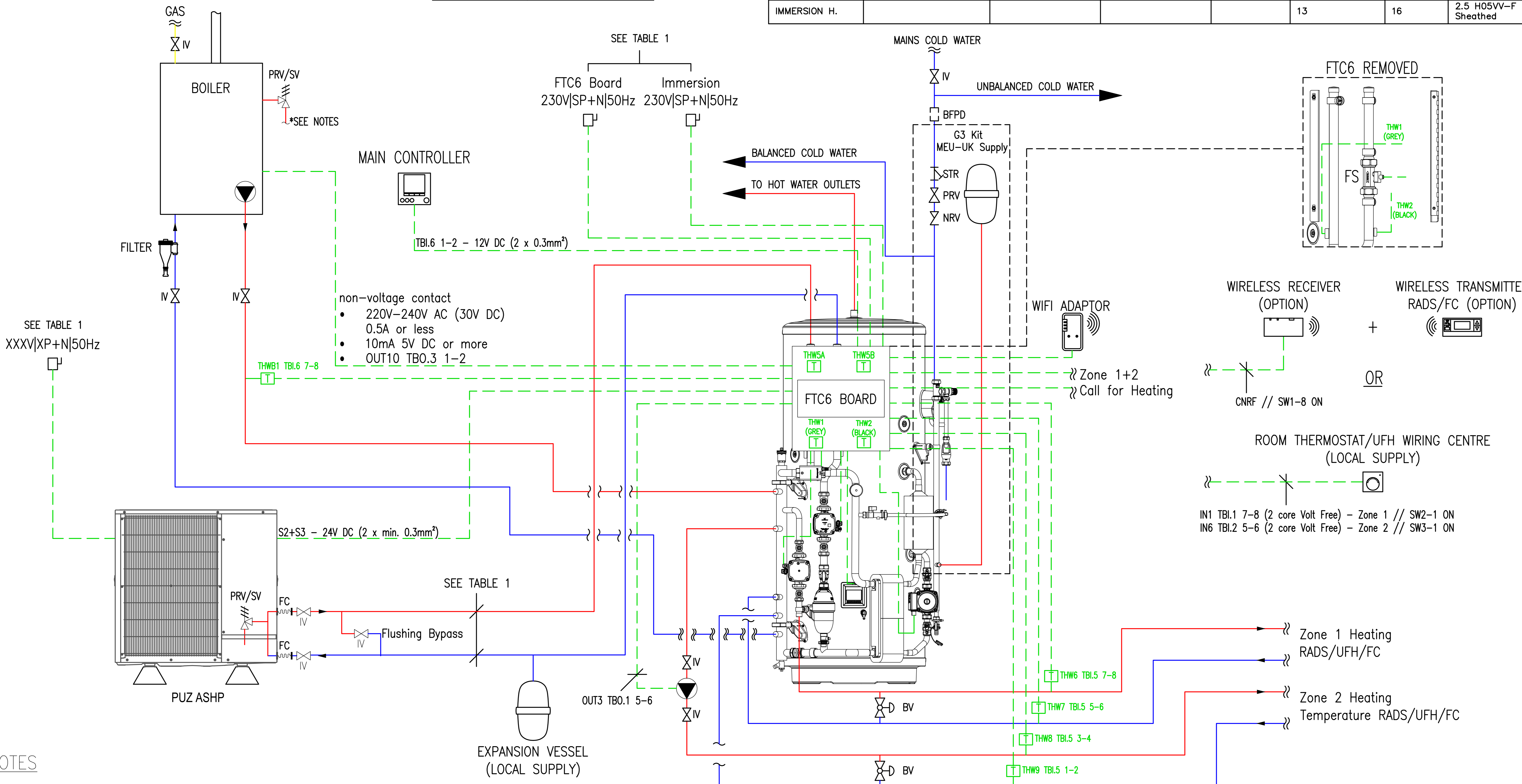
DIP SWITCH	SETTING	FUNCTION
SW1-1 (FTC6)	ON	WITH BOILER
SW3-6 (FTC6)	ON	2-ZONE VALVE ON/OFF CONTROL
SW8-3 (OUTDOOR)	ON	INDEPENDENT POWER SUPPLIES

Wiring Changes

EQUIPMENT	TERMINAL
ZONE 1 PUMP	OUT13 TBO.4 3-4

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)



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.
- A back flow prevention device may include check valves, a water meter or an additional PRV.
- If a device that prevents backflow is installed on the cold water supply to the PRV then a means of accommodating expansion due to local warming of the pipe is recommended to be fitted between the device and PRV.
- Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

REV	DESCRIPTION	DESN	CHKD	DATE
CLIENT				
PROJECT				
FTC6 Hybrid Pre-plumbed 2 x Heating				
TITLE				
MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 PRE-PLUMBED HYBRID WITH SYSTEM BOILER 2 HEATING ZONES				
SCALE	NTS	ORIGINAL SIZE	AO	DATE
DRAWN	I. K.	DESIGNED	A. S.	INIT
DRAWING NUMBER	MEU-UK/FTC6/WMXXX/HPP1/2Z	INIT	CHECKED	R. T.
REVISION	0			