

HIU, Dwelling Heating & DHW Commissioning Sheet (FCU)



Client	Project	
Address	Core	Apartment Type
	Floor	Bedrooms
Date	Plot No	Bathrooms

System Inspections		Domestic - System Readings									
Visual inspection - Water visible?		Outlet	Design (l/m +/- 2)	Hot (°C)	Hot (l/m)	Cold (l/m)	Drainage - Fill to overflow for 5 mins	Holding Water	Leaks	System Pressure	Bar
Cold water supply active to unit?		Kitchen Sink			(max 9 l/m)	(max 9 l/m)	Kitchen Sink			Pressure Test complete	
Isolation valves open?		Bath		(TMV set to 40°C record max < 48 °C)	(max 8 l/m)	(max 8 l/m)	Bath				
By-pass valves closed?		Shower		(TMV set to 40°C record max < 48 °C)	(max 8 l/m)	(max 8 l/m)	Shower			Pressure Regulating Valve (BCW)	
HIU strainer cleaned?		Basin		(TMV set to 40°C record max < 48 °C)	(max 5 l/m)	(max 5 l/m)	Basin				
Heating System filled with Inhibitor?		Ensuite Basin		(TMV set to 40°C record max < 48 °C)	(max 5 l/m)	(max 5 l/m)	Ensuite Basin			System Pressure (HIU)	
System filling loop removed and store?		Ensuite Shower		(TMV set to 40°C record max < 48 °C)	(max 8 l/m)	(max 8 l/m)	Ensuite Shower				
Fuse to 3amp?		Comments:									
Drain Cock(s) installed?											

HIU & Meter Details			DH Network Design Temperatures		Design (°C +/-5)		Measured (°C)		Reading 1 - Customer Number		no.		Differential Pressure Control Valve		no. / kPa	
HIU Make and Model			Primary Flow						Reading 2 - Energy Consumed		kw/h or mw/h		DHW controller (Danfoss IHPT or AVTB) Setting No.		No. (range 45-65 °C)	
HIU Serial Number			DHW Return						Reading 3 - Water Volume		M3		HTG controller (Danfoss Ravk) Setting No.		no. / °C	
HIU Type (Tick all that apply)	Direct	Indirect	HTG Return						Reading 4 - Operating Hours		Hours		Pump Setting		Setting 1-11	
	Heating	Hot Water	HIU Settings – DH Network						Reading 5 - DH network flow temp (inlet temp)		°C		Safety Valve Setting		Bar	
HIU Pump Make and Model			Differential Pressure Control Valve (AVPL) provided within HIU?		Yes No				Reading 6 - DH Network Return Temp (outlet temp)		°C		Controlled Heating Zones		Zone 1 Zone 2	
HIU Pump Serial Number			Temp Bypass ("keep warm") provided with HIU?		Yes No				Reading 7 - Pressure Differential (current)		Kpa				Zone 3 Zone 4	
Heat Meter Make and Model			Ability to switch off "keep warm" facility?		Yes No				Reading 8 - Flow Rate Network Flowrate		l/hr				Zone 5 Zone 6	
Heat Meter Serial Number			Temp Bypass ("keep warm") to be utilised?		Yes No				Reading 9 - Heating Effect (current)		kW				Zone 7	
Cold Water Meter Reading			m³		Temp Bypass ("keep warm") installed upstream or downstream of heat meter?				Reading 10 - Accumulated Consumption Volume		m³/h		Controller Operational		Yes No	

Heating / Cooling - System Readings													
Room	Fan Coil Unit Type (Available from Flcocon Valve Schedule)	Controller Operational	Air velocity L/S (@medium Fan speed) / Fan speed Operational	Flow Rate - Design L/s		Flow Rate - Actual Reading L/s		Is filter accessible and clean?	Are valves accessible?	Condense tray is Clean, drains and is covering valves?	Max heating temp °C at grille?	Max Cooling temp °C at grille?	System set to 22 °C
				Heating	Chilled	Heating	Chilled						
Living Room / Kitchen / Dining Room													
Bedroom 1													
Bedroom 2													
Bedroom 3													
Bedroom 4													

Commissioning Engineer	Name:							Date			Signature:		

This Certificate is valid on the date of commissioning only, any alterations to the installation and/or supply characteristics will void certificate.