

Schedule Title: Contents Page
Schedule Reference: Contents Page
Project Title: THG 24 Kennedy Street
Project Number: 70075436

Revision: P01
Sheet: 1 of 1
Date: 28.05.2021
Produced by: TC
Approved by: LW

Reference	Title
PH-02	Particulate Filtration
PH-03	Domestic Water Storage Tanks
PH-10	CAT 5 Break Tank & Booster Set
PH-14	Gas Fired Water Heater

Schedule Title: Particulate Filtration
Schedule Reference: PH-02
Project Title: THG 24 Kennedy Street
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Filter Reference	Unit	CWF-01			
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Manufacturer	-	Hydrotec			
Model	-	F78TS 65F			
Number	(No.)	1			
System Type	-	Potable Cold Water			
Application	-	MCWS Filtration			
Location	-	B1 Mech Plant			
Orientation	-	Horizontal			
Fluid Temperature	(°C)	10			

Performance

Flowrate	(l/s)	1			
Single / Duplex	-	Duplex			
Element Size	(µm)	50			
Type	-	Automatic			

Installation

Max Inlet Pressure	(bar)	16			
Inlet	(mm)	22			
Outlet	(mm)	22			
Connection Type	-	Flanged			

Notes:

- This schedules shall be read in conjunction with the specification and drawings
- The filter is to be installed between two isolation valves. Flange connection of filter corresponding to DIN 2533.
Discharge of flush water through connection NW 17 (as per DIN 1988 siphon trap).
- The complete water filter shall be WRAS or KIWA UK approved.

Schedule Title: Domestic Water Storage Tanks
Schedule Reference: PH-03
Project Title: THG 24 Kennedy Street
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Tank Reference	Unit	CWT-01			
Manufacturer	-	Dutypoint			
Model	-	Scubatank WX1-9060-1650-AB-VS- RM/2			
Number	(No.)	1			
System Type	-	Domestic Cold Water			
Location	-	B1 Mech Plant			
Actual Capacity	(L)	1,650			
Nominal Capacity	(L)	1,650			
Length	(mm)	1,500			
Width	(mm)	1,160			
Height	(mm)	1,919			

Construction

Tank Type	-	Tank & submersible pumps			
Material	-	GRP			
Side Panels	-	Internally Flanged			
Base Panels	-	Internally Flanged			
Lid	-				
Compartments	(No.)	2			
Air Gap	-	AG			
Insulation	-	Yes			
Tank Supports	(mm)	No			

Connections Per Compartment

Material	-	GRP			
Inlet	(mm)	54			
Outlet	(mm)	54			
Screened Warning	(mm)	18			
Screened Overflow	(mm)	50			
Drain	(mm)	50			

Inlet Valve

Manufacturer	-	N/A			
Type	-	N/A			
Type	-	N/A			

Accessories

Internal Ladders	-	No			
External Ladders	-	No			
Tank Cover	-	No			
High Level Alarm	-	Yes			
Low Level Alarm	-	Yes			
Temp. Probes	(°C)	Yes			
Manhole Access	-	No			
Screened Air Inlet	(mm)	No			
Safety Cut Out	-	Yes			
Raised Chamber	-	No			

Notes:

- This schedules shall be read in conjunction with the specification and drawings
- Tanks and connections shall comply with the following regulations:
- Tanks, components and all accessories shall be WRAS or KIWA UK approved.
- Tanks shall be stored in accordance with the manufacturers recommendations
- Sectional tanks shall be erected and tested by the manufacturer
- Leakage test shall be undertaken on all tanks and cisterns
- Tanks exceeding 1,000L shall be split into two compartments with a central division
- Contractor shall include for any necessary shimming / levelling steels as per the manufacturers recommendations
- Connections and accessories listed are based on each compartment

Schedule Title: CAT 5 Break Tank & Booster Set
Schedule Reference: PH-10
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Pump Reference	Unit	CAT 5-001			
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Manufacturer	-	Arrow Valves			
Model	-	MIDI Break 2A			
Location	-	B1 Mech Plant Room / Bin Store			
Mounting	-	Wall			
System Type	-	Non Potable			
Fluid Temperature	(°C)	10			
Application	-	Wash down			

Performance

Design Flowrate	l/s	0.3			
Pressure	(bar)	2			
Num. Of Pumps	(No.)	1			
Min Inlet Pressure	(bar)	1			
Max Inlet Pressure	(bar)	10			
Pump Arrangement	-	Duty			

Connections

Inlet	(mm)	15			
Outlet	(mm)	15			
Overflow	(mm)	22			

Materials:

Cabinet	-	Stainless Steel			
Cabinet Size	(mm)	770x270x910			
Cistern	-	Polypropylene			
Pump	-	Brass			
Internal Pipework	-	TBC			

Electrical

Supply	Volts	230			
	ph	1			
	Hz	50			
Method of Start	-	TBC			
Soft Start	-	Yes			

Accessories

Tank Purge Feature	-	Yes			
GRP Wall Cover	-	Yes			
BSM Fault Indicator	-	Yes			
Frost Protection	-	Yes			
Drip Tray	-	Yes			

Notes:

- This schedule shall be read in-conjunction with the specification and drawings
- Where the final layout based on the installation drawings and equipment selection associated with the system varies from the tender documents the installer shall responsible for calculating the final pump resistances.
- Type AB airgrap to be provided in accordance with BS EN 13007
- Pump to be mounted on anti vibration mounts with flexible stainless braided internal hoses
- Locate unit with adequate space for safe maintenance in accordance with the manufacturers recommendations
- All CAT 5 break tank & booster set components shall be WRAS or KIWA approved.

Schedule Title: Gas Fired Water Heater
Schedule Reference: PH-14
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Heater Reference	Unit	GWH-01			
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Manufacturer	No.	Andrews			
Model	-	MaxxFlo 60/300			
Quantity	-	2			
Location	-	B1 Mech Plant			
System Type	-	Domestic Hot Water			
Operation	-	Gas			

Performance

Flowrate	(l/s)	5.71			
Storage	(L)	300			
Flow Temperature	(°C)	60			
Return Temperature	(°C)	55			
Recovery Period	(min)	38			

Installation

Max. Op. Pressure	(bar)	4.5			
Cold Water Inlet	(mm)	54			
Hot Water Flow	(mm)	54			
Hot Water Return	(mm)	35			
Drain	(mm)	20			
Orientation	-	Vertical			
Dimensions	(mm)				
Dry Weight	kg	31			
Full Weight	kg	200			

Gas Supply

Flowrate	(m³/hr)	5.93			
Min. Pressure	(mbar)	20			
Supply Size	(mm)	54			

Electrical

Supply	Volts	230			
	ph	3			
	Hz	50			
Immersion Heater	kW				

Accessories

PRV	-	No			
Strainer	-	No			
Check Valve	-	No			
Expansion Vessel	-	Yes			
Temperature Relief	-	Yes			
Pressure Relief	-	Yes			

Notes:

- This schedule shall be read in-conjunction with the specification and drawings
- Where the final layout based on the installation drawings and equipment selection associated with the system varies from the tender documents the installer shall be responsible for calculating the final water heater flowrate.
- All water heater components shall be WRAS or KIWA approved.
- The above water heater must be installed within a system that has been designed in accordance with the HSE approved code of practice HSG274 Part 2 and L8 for the Control of Legionella bacteria in hot water systems
- Ensure the spatial requirements around the water heater in accordance with the manufacturers recommendations
- Locate unit with adequate space for safe maintenance in accordance with the manufacturers recommendations