

Description:

Compact, totally enclosed digital pressurisation unit with electronic pressure transducer and user-friendly microprocessor for use on two sealed systems in order to provide a minimum system pressure requirement.



shown for illustration purposes only

Features

- MODBUS Communication output
- System quick-fill mode
- Password protection for parameter entry
- Pressure settings in 0.1 bar increments
- Service reminder option (12 months).
- Pump pulse option (2 second pulse if inactive for 60 days)
- Flood protection options
- High Flow applications (<18.0 l/min)
- Event logging for pump start, individual pump run hour's counter, electrical interruption and common alarm.
- Volt free contacts for common fault, high pressure, low pressure, pump fault, pressure transducer fault.
- 18 Litre break tank with type AB Air Gap Fluid Cat 5

System Volume (Guide): < 60000 Litres (each system)

Application of Use:

- Commercial, industrial, residential (flats)

Certifications and Standards Applied:

- PED 97/23/EC Sound Engineering Practice
- IEE - Electrical Safety Guidance
- EMC 2004/108/EC
- BS7074 Parts 1 to 3
- Machine Directive 95/16/EC
- Electronic Components have been tested and comply with the EMC Directives
- EN61000-6-2: Generic Standards – Immunity standard for industrial environments
- EN61000-6-3: Generic Standards – Emission standard for residential, Commercial and light industrial environment
- CE marked components, where applicable
- WRAS approved float valve to BS1212 part 2
- IP54 (BS EN60529) Rated Controller
- IPX5(BS EN60529) Rated Pump / insulation: Class F

Maximum Operating Conditions:

- Maximum system temperature 85°C
- Ambient temperature up to 40°C
- Relative humidity 95% non-condensing

Selection Details: As per BS7074 Parts 1 to 3

- Static height of the building above the pressurisation unit (meter)
- Systems content (litres) If unknown provide the boiler power (kW) which can be used to estimate the systems content
- Flow and return temperatures
- Glycol content (%) if required
- Final working pressure

Water Regulations:

- Complies with water regulations 1999 when installed and used correctly.
- Type AB air gap provide protection from Fluid Category 5 backflow protection.
- Calculation of air gap based on Weir airflow
- Complies to EN13077:2008

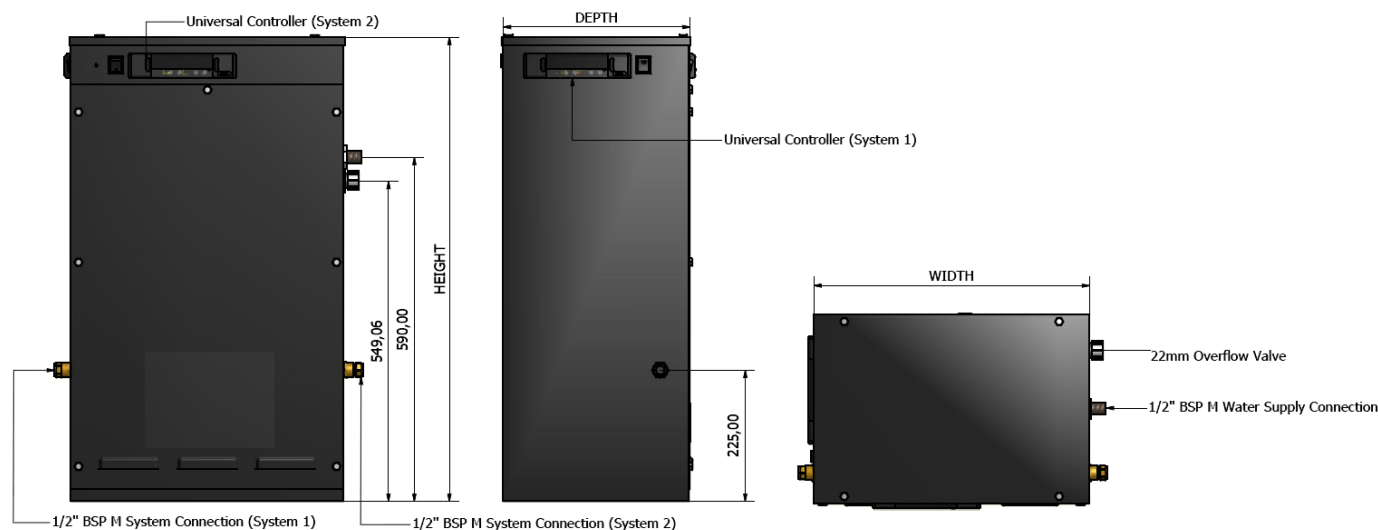
Material of Construction:

- Cabinet: Mild steel CR4
- Float: WRAS Approved Beta Side Entry
- Break tank: Stainless Steel 304
- Pump: Cast Iron volute & Brass impeller
- Pump: WRAS Approved
- Connection: Brass / Polypropylene
- Pipework: Braided flexihose
- Colour: Powder Coated – Black (RAL 9005)

Note: Any questions please contact your local Flamco representative

Specification:

Product Name	Dimensions (mm)			Connections (mm)			Dry Weight (Kg)	Order Code
	Width	Depth	Height	System	Mains Supply	Overflow		
PFT-5E	470	320	800	2 x 15 (1/2")	15 (1/2")	22	38.5	03510220
PFT-8E	470	320	800	2 x 15 (1/2")	15 (1/2")	22	44.5	03510231

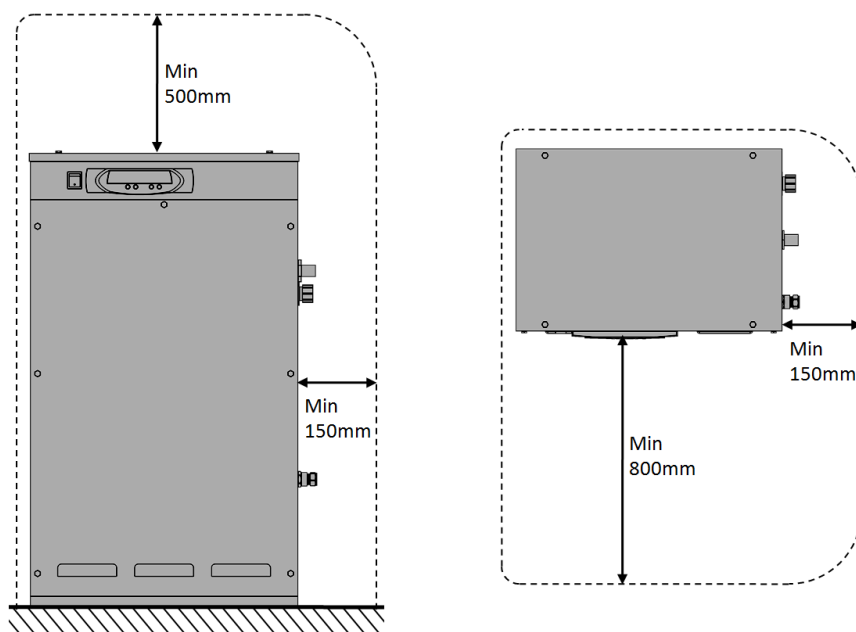


Note: Models 150D / 180D both controllers are at the front

Installation & Placement:

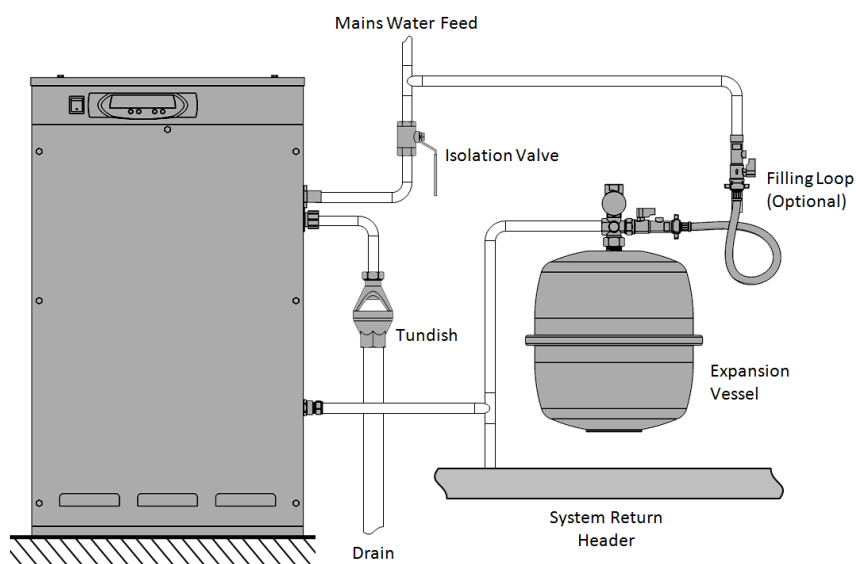
The Flexfiller pressurisation unit should be installed in a frost-free and humidity free area. Connected to the system return pipe, at the same point as the expansion vessel to provide a neutral pressure reading where the temperature of fluid does not exceed 70 deg. C.

Clearance and connection requirements:

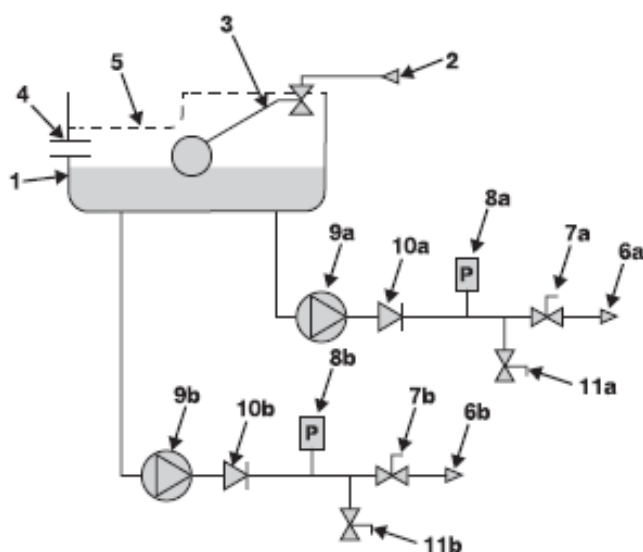


Product Name	Required Supply Voltage	Pump Quantity	Maximum Delivery Pressure (bar)	Power Consumption (KW)	Full Load Current (amps)	Noise Rating (dBA)	Pressure Rating (bar)
PFT-5E	230V 1 Phase 50 Hz	1 per system	5	2 x 0.5	2 x 3.4	<75	PN10
PFT-8E	230V 1 Phase 50 Hz	1 per system	8	2 x 0.75	2 x 5.6	<75	PN10

Typical Installation Diagram: (Image for illustration purposes only) (Example: floor standing model)



Schematic layout:



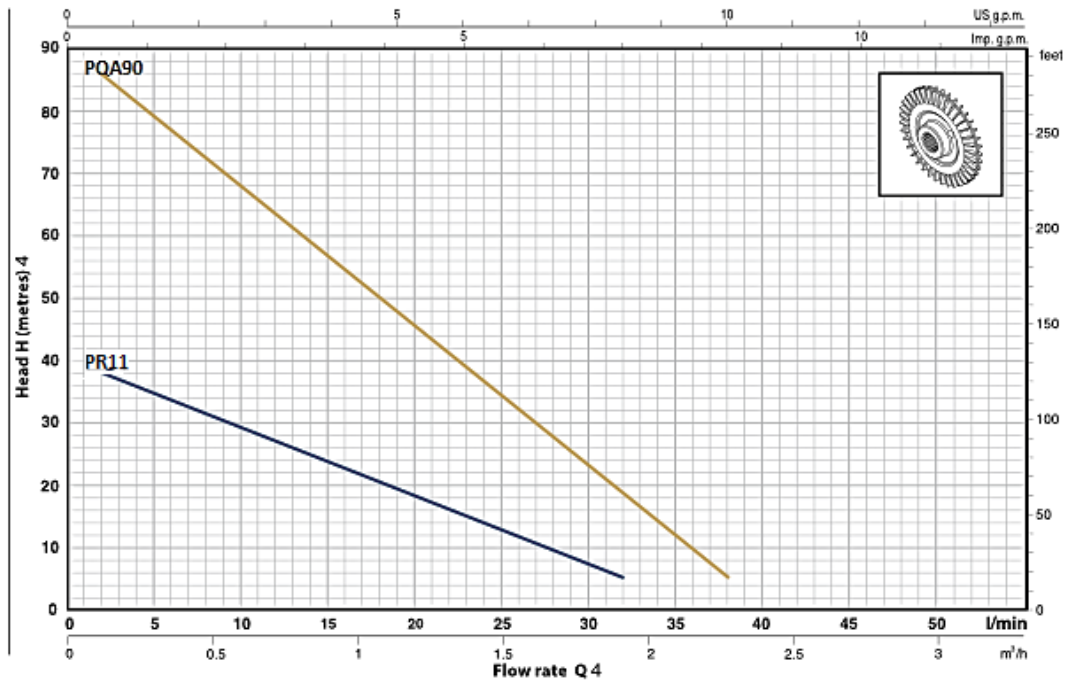
Key

1. Break Tank
2. Mains Water Inlet
3. Float Operation Valve
4. Overflow Connection
5. AB Air Gap Backflow
6. Supply To Sealed System
7. Isolation Valve
8. Pressure Transmitter
9. Pumps
10. Non Return Valve
11. Drain Valve

Pump curve:

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m



Product Name	Pump Used
PFT-5E	PR11
PFT-8E	PEDROLLO PQA90

Notes

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Disclaimer: We reserve the right to change designs and technical specification of our products