



flowpress[®]

FSDA Range

Single and Twin Pump Pressurisation Unit

DATA SHEET

First Publication Date: 01/09/2020

Revision: v1

Revision Date:



DECIBEL
LEVEL



LED INVERTER
DISPLAY



SINGLE PHASE



CE MARKED

PRODUCT OVERVIEW

Flowpress FSDA Pressurisation Unit

The **flow**press FSDA is a floor standing digitally controlled top-up pressurisation unit with a flow rate up to 18 l/min and an 18 litre internal break tank. Ideal for pressure management in domestic, commercial and industrial sealed heating and cooling systems.

Available as a choice of single or twin pump configuration for topping up water using a digital controller and AB type break tank utilising a WRAS approved float valve for back flow protection.

The Flowpress FSDA Pressurisation Units are suitable for systems operating at pressures up to 10 bar and are suitable for use on systems with up to 50% glycol content.

- For system volumes up to 300,000 litres.
- Suitable for floor standing
- Not restricted by mains pressure
- Fitted with an electronic pressure transducer
- Bright LED Controller with scrolling display messages
- User friendly controls offering common volt free contacts on fault
- 18 Litres Break Tank Capacity with AB Air Gap - Fluid Category 5
- Alarm modes including flood protection alarm
- Flowcare 2 Year 24/7 response warranty available if commissioned

PRODUCT DETAILED OVERVIEW

Flowpress FSDA
Pressurisation Unit



Connections

15mm connection for both the system and mains with a 22mm overflow



Control Panel

User friendly LED controls offering common volt free contacts on fault



Single or Twin Pump Models

Suitably sized electric pump, 230V
50Hz 1ph



Isolating & Drain Valve

$\frac{3}{4}$ " or 1" Expansion Vessel
Combined Drain Off and Isolating
Valve

Selection Details

- Static height of the building above the pressurisation unit (meters)
- Systems content (litres) if unknown provide the boiler power (kW)
- Flow and return temperatures
- Additive content (%)
- Max working pressure

Digital Controller Specification

- Equipment comes with bright LED display scrolling messages including pump operation and alarm modes.
- Neon power on indicator
- Security Password protection for parameter entry.
- WRAS approved break tank AB Weir, Overflow and float valve. Fluid Protection Cat5.
- Electronic pressure transmitter.
- Normally closed, common fault, volt free contact.
- Normally open volt free contacts for high pressure, low pressure, transducer health and pump health x2.
- Flood protection both as maximum pump run limiter in minutes and excessive demand alarm (>3 times in 8 hours), user activated option.
- Event logging for pump start, individual pump run hour's counter, electrical interruption, general alarm activations.
- Pump start differential in 0.1 bar increments.
- Pressure setting and alarm setting in 0.1 bar increments.
- Non overlapping parameter entry.
- Onscreen service reminder option (12 months).
- Pump pulse option (2 second pulse if inactive for 60 days), user activated option.
- System fill option, (Continuous run until set pressure is reached or 24 hours maximum run time, whichever is sooner), user activated option.
- RS 485 Connectivity with MODBUS protocol.
- Variable ID number for installations with multiple pressurisation units.
- System fill mode.

Operating Conditions

- System temperature range at point of connection: 5 °C / 85 °C.
- Ambient temperature range: 5 °C / 40 °C.
- Relative humidity 95% non-condensing.
- Noise Rating Data: < 75dBA.

Material of Construction

- Cabinet: Mild steel CR4 Powder Coated.
- Float: WRAS approved.
- Break Tank: Polypropylene.
- Connection: Brass / Polypropylene.
- Pipework: Braided Flexhose / EPDM / Copper.
- Finish: Powder coated.
- Valves: Brass / PTFE.
- Electric pump, 230V 50Hz 1ph
- Insulation Class – F
- IP Rating – IPX4

MODELS, DIMENSIONS & ELECTRICAL DATA

Flowpress FSDA
Pressurisation Unit

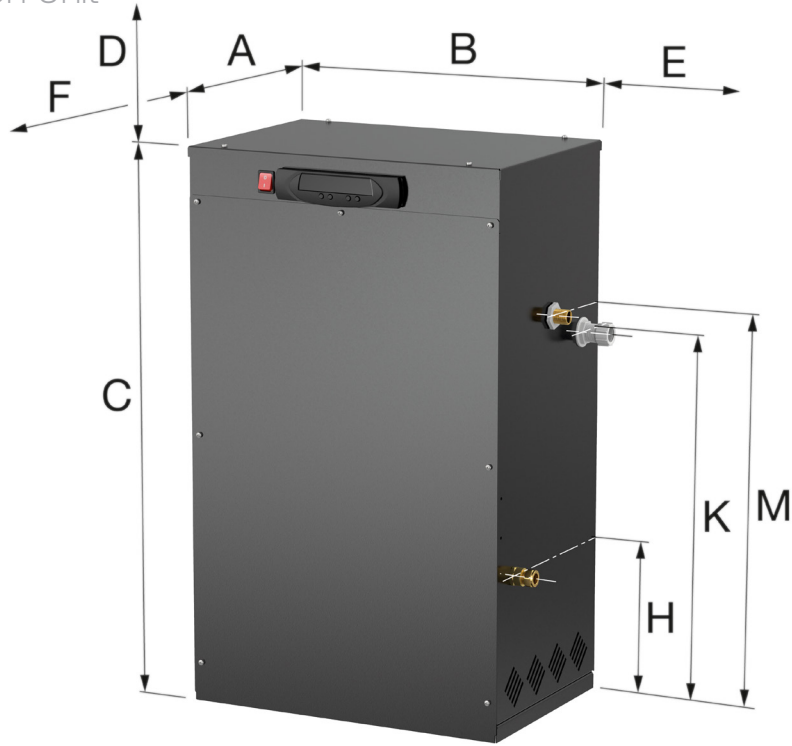
MODEL	Pump	Max Fill Pressure	Dimensions			Connections (mm)			Dry Weight (kg)
			Width	Depth	Height	System	Mains Supply	Overflow	
flowpress FSDA 1-1	Single	2.5 Bar	480	330	800	15mm (½")	15mm (½")	22mm	35
flowpress FSDA 1-2	Twin	2.5 Bar	480	330	800	15mm (½")	15mm (½")	22mm	28
flowpress FSDA 5-1	Single	5.0 Bar	480	330	800	15mm (½")	15mm (½")	22mm	28
flowpress FSDA 5-2	Twin	5.0 Bar	480	330	800	15mm (½")	15mm (½")	22mm	39
flowpress FSDA 8-1	Single	8.0 Bar	480	330	800	15mm (½")	15mm (½")	22mm	34
flowpress FSDA 8-2	Twin	8.0 Bar	480	330	800	15mm (½")	15mm (½")	22mm	45

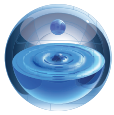
Model	Electrical	Kw Power Consumption Per Pump	FLC Amps Per Pump
flowpress FSDA 1-1	230V	0.37	2.6
flowpress FSDA 1-2	230V	2 x 0.37	2.6
flowpress FSDA 5-1	230V	0.50	3.4
flowpress FSDA 5-2	230V	2 x 0.50	3.4
flowpress FSDA 8-1	230V	0.75	5.6
flowpress FSDA 8-2	230V	2 x 0.75	5.6



DIMENSIONAL DRAWINGS & **SCHEMATICS**

Flowpress FSDA
Pressurisation Unit





flowtech[®]
WATER SOLUTIONS

flowzone[®]

MEMBERS AREA

This section of the **flowtech**[®] website holds information exclusively for members. Members will need to log in to gain access to these pages.

Our member's will be granted exclusive access to our **flowview**[®] technical resource library. Within this resource is a wide range of product information including data sheets, technical drawings, O&M Manuals and training videos



flowcare[®]

AFTER SALES SERVICE

At **flowtech**[®] we operate a network of Service Engineers located throughout the UK who are supported by our offices located in Greater Manchester. The distribution of engineers means that in the majority of cases we are less than 4 hours away from attending a customer call out.

We place great emphasis on providing technical back up to support our Service Engineers in resolving some difficult operational and technical issues. We pride ourselves on completing a project on time, within budget and never leaving a problem unresolved, or a customer waiting. This quality of service has made us the first choice for our customers.

FOR FURTHER INFORMATION OR ASSISTANCE

contact us

Flowtech Water Solutions are experts in water services and water booster sets. We have continuously supplied a wide range of standard and custom products since being founded in 1996.

MANUFACTURE & SUPPLY

TELEPHONE : 0333 200 1756

EMAIL: info@flowtech.org.uk

SERVICE & MAINTENANCE

TELEPHONE : 0333 200 1813

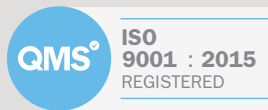
EMAIL: service@flowtech.org.uk

WEBSITE: www.flowtech.org.uk

ADDRESS : Unit 1 Lock Flight Buildings, Wheatlea Industrial Estate,
Wigan, Greater Manchester WN3 6XP United Kingdom



Membership No. 700106



Certificate No. 185352020