

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

The PressDS (Pressurisation/Dosing System) is a floor standing, additive top-up mixing pressurisation unit with a 4 litre break tank to be connected to the mains supply. 18 litre tank for additive storage. Each time the unit tops-up the system with water, it also automatically adds additive from a dedicated tank at a predetermined rate, reducing intervention and maximising system protection. The correct fluid mix is blended on demand at the time of system top-up. Available with double pump (for duty/standby configuration).

Application

- Commercial and Industrial.

System Volume (Guide): < 300,000 litres.

Advantages

Product Features:

- For system volumes up to 300,000 litres.
- Fluid Protection Category 5 (AB Weir Overflow).
- Mix ratios from 1% to 50% user configurable balancing valves.
- Top-up pressurisation unit (<18.0 l/min).
- System fill mode.
- Onscreen Service Reminder - 12 Months. Onscreen message when additive tank is empty.
- Electric pump, 230V 50Hz 1ph.
- Colour: Black (RAL 9005)
- MODBUS RTU Communication Protocol.
- Password protected.
- Sequential programming menu.
- Pressure setting in 0.1 bar increments.
- Pump pulse option.
- Flood Protection (Pump Runtime Limiter, Excessive Start Alarm).
- Event logging: Alarm activations, Pump Run counter (activations per pump), Cumulative run timer (hours per pump), Electrical interruption.
- Volt free contacts: Common Alarm (N/C), High Pressure Alarm (N/O), Low Pressure Alarm (N/O), Sensor Health (N/O), Pump 1 Health (N/O), Pump 2 Health (N/O).



Technical Specifications

Operating Conditions:

- System temperature range at point of connection: 5 °C / 85 °C.
- Ambient temperature range: 5 °C / 40 °C.
- Pressure rating: PN 10.
- Relative humidity 95% non-condensing.
- Noise Rating Data: < 75 dBA.

Certifications and Standards Applied:

- PED 2014/68/EU Sound Engineering Practice.
- IEE - Electrical Safety Guidance.
- EMC 2004/108/EC.
- BS 7074 Parts 1 to 3.
- Machinery Directive 2006/42/EC.
- Electronic Components have been tested and comply with the EMC Directives.
- EN 61000-6-1: Generic Standards – Immunity standard for industrial environments.
- EN 61000-6-2: Generic Standards – Immunity standard for industrial environments.
- EN 61000-6-3: Generic Standards – Emission standard for residential, commercial and light industrial environment.
- CE marked components, where applicable.
- WRAS approved float valve to BS1212.
- IP54 (BS EN60529) rated controller.

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.

Description		Flamco Press DS 280D
Order Code		17392
GTIN		08712874173927
Model		<u>PressDS</u>
Pump quantity		2
Connections	System [mm]	15 ($\frac{1}{2}$ " M)
	Mains Supply [mm]	15 ($\frac{1}{2}$ " M)
	Overflow [mm]	22
Max. Delivery Pressure [bar]		8
Power Consumption [kW]		2 x 0.75
Full Load Current [A]		5.6
Weight [kg]		45

Dimensions PressDS

Type	Dimensions								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	K [mm]	M [mm]
PressDS 225D - 250D	320	480	1180	500	150	800	230	930	1030
PressDS 280D	660	470	1090	500	150	800	370	690	740



Classification General Data

Etim Group	Pressure increase/decrease
Etim Class	Central heating refill installation
Product Name	Flexfiller PressDS 280D
Brand	FLAMCO
Product Type	Top Up Units
Artikelnummer	17392
GTIN	08712874173927

Attributes

Suitable for membrane pressure expansion tank	Yes
Suitable for compressor-controlled automatic expansion unit	No
Connections	Internal thread cylindrical BSPP-G (ISO 228-1)
Nominal diameter	1/2 inch (15)
Outer pipe diameter 1 supply	21.3 Millimetre
Outer pipe diameter 1 return	21.3 Millimetre
Outer pipe diameter 2 supply	21.3 Millimetre
Outer pipe diameter 2 return	21.3 Millimetre
Max. installation contents	50000 Litre
With filter	No
With de-aerator	No
Pressure	1 - 8 bar
With collection function for expansion water	No
Filling pipe connection	Internal thread
Max. operating pressure	8 Bar
With drain funnel	No
With automatic filling function	No
Connection size of filling pipe	21.3 Millimetre
Height	1160 Millimetre
Barrier	Other
Width	470 Millimetre
Category of system separator	Other
Depth	320 Millimetre
With pressure reducer	No
Suitable for softening	No
With system separator	No
Max. temperature at the inlet	85 Degrees celsius
Max. temperature at the outlet	85 Degrees celsius
Suitable for full demineralization	No
Suitable for pH value stabilization	No
With pressure gauge	No
Suitable for fixed installation	Yes
Suitable for mobile use	Yes
With insulation	No

Find more information online:[Installation and operating instructions Press DS](#)[Installation and operating instructions Press DS Plus](#)[UK Declaration of conformity](#)[REVIT Collection Pressurisation Units](#)[DXF Collection Pressurisation Units](#)[STEP Collection Pressurisation Units](#)[Collection Pressurisation Units IGES](#)[PressDS STEP](#)[IGES PressDS](#)[PressDS RFA](#)[DXF PressDS 225-280](#)[REVIT Collection Pressurisation Units](#)[Overview of spares kits](#)[Spare parts list](#)[Product Datasheet PressDS 225D-280D](#)[Packaging data](#)

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