

3760 PRODOSE 2HP COMBINED DOSING AND DIGITAL PRESSURISATION UNITS | DATA SHEET

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OVERVIEW

Compact, totally enclosed digital pressurisation unit with electronic pressure transducer and user-friendly microprocessor for use on sealed systems in order to provide a minimum system pressure requirement. The correct fluid mix is blended on demand at the time of system top-up.

The ProDose 2HP (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. Available with double pump (for duty/standby configuration).

APPLICATION

Commercial, Industrial and Residential.

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

ADVANTAGES

Product Features

- For system volumes up to 300,000 litres.
- Dry Run Protection.
- Anti Seize Routine (Pump is pulsed for 2 seconds if inactive for 60 days, must be enabled at time of commissioning).
- Pressure setting in 0.1 bar increments.
- Electric pump, 230V 50Hz & 60Hz 1ph .
- Colour: Red (RAL 440-5).
- System fill mode.
- Onscreen Service Reminder - 12 Months.
- MODBUS RTU Communication Protocol.
- Password protected.
- Bi-directional programming menu.
- Flood Protection (Pump Runtime Limiter, Excessive Start Alarm).
- Pump pulse option.
- 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).
- Optional Additional Volt Free Contacts (Requires an additional factory fitted expansion board): Low Pressure Warning (N/O), High Pressure Warning (N/O), Low Water In Break Tank (N/O), Low Additive In Holding Tank (N/O), Pump 1 Run For Topup (N/O), Pump 2 Run For Topup (N/O).

TECHNICAL SPECIFICATIONS

Operating Conditions:

- **System temperature range at point of connection:** 5 °C / 70 °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.v

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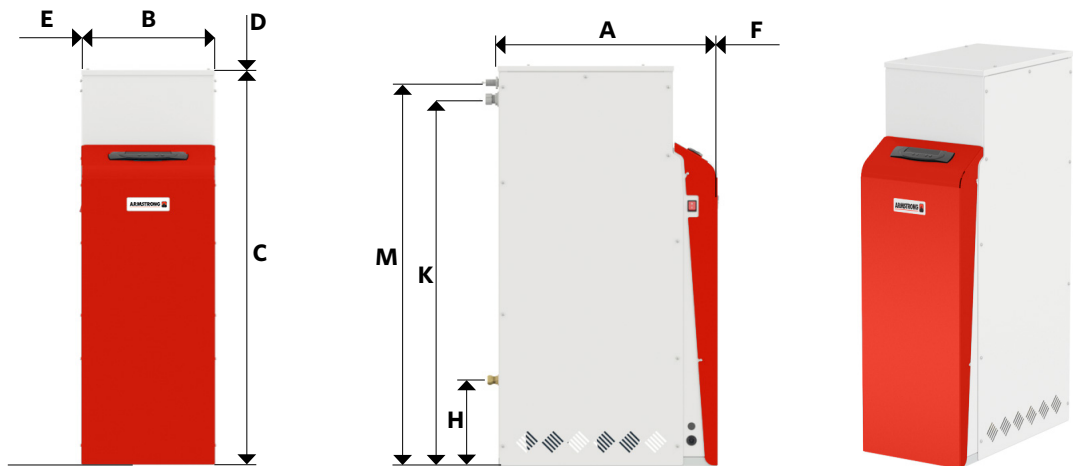
- Electronic Components have been tested and comply with the EMC Directives.
- **EN 61000-6-2:** Generic Standards - Immunity standard for industrial environments.
- **EN 61000-6-3:** Generic Standards - Emission standard for residential, commercial and light industrial environment.
- CE marked components, 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.
- **Valves:** Brass/ PTFE.

Description	3760 ProDose 2HP Floorstanding dosing PU
Order Code	9979040-018
Model	3760 ProDose 2HP
Pump quantity	2
Connections	System (mm) - 15 (½")
	Mains Supply (mm) - 15 (½")
	Overflow (mm) - 22
Max. Delivery Pressure (bar)	8
Power Consumption (kW)	2×0.75
Full Load Current (A)	11.2
Weight (kg)	45

DIMENSIONS



- TORONTO
+1 416 755 2291
- BUFFALO
+1 716 693 8813
- DROITWICH SPA
+44 121 550 5333
- MANCHESTER
+44 161 223 2223
- BANGALORE
+91 80 4906 3555
- SHANGHAI
+86 21 5237 0909
- BEIJING
+86 21 5237 0909
- SÃO PAULO
+55 11 4785 1330
- DUBAI
+971 4 887 6775
- JIMBOLIA
+40 256 360 030

Type	DIMENSIONS (MM)								
	A	B	C	D	E	F	H	K	M
3760 ProDose 2HP	630	324	1095	500	500	500	340	922	960