

# 3760 DUALSYS 1MP DUAL SYSTEM DIGITAL PRESSURISATION UNITS | TWIN SYSTEM | SINGLE PUMP | DATA SHEET

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## OVERVIEW

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 Dualsys 1MP Twin System is a floor standing unit, ideal where space restrictions make it beneficial to locate two systems in a single enclosure. The system combines two high flow rate (<18 l/min) top-up pressurisation units and two controllers with a single 18 litre break tank.

## APPLICATION

Commercial, Industrial and Residential.

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

## ADVANTAGES

### Product Features

- For system volumes up to 300,000 litres per system.
- Fluid Protection Category 5 (AB Weir Overflow).
- System fill mode.
- Onscreen Service Reminder - 12 Months.
- 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).



## 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.

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- CE marked components, where applicable.
- WRAS approved float valve to BS1212.
- IP54 (BS EN60529) rated controller.

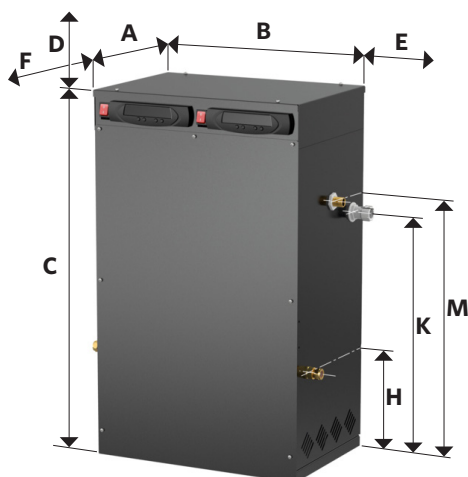
**Material of Construction:**

- **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.

<b>Description</b>	3760 Dualsys 1MP Floor Standing Dual System PU
<b>Order Code</b>	9979040-013
<b>Model</b>	3760 Dualsys 1MP
<b>Pump quantity</b>	2*
<b>Connections</b>	System (mm) - 2 x 15 (½" M)
	Mains Supply (mm) - 15 (½" M)
	Overflow (mm) - 22
<b>Max. Delivery Pressure (bar)</b>	6
<b>Power Consumption (kW)</b>	2 x 0.5
<b>Full Load Current (A)</b>	2 x 3.4
<b>Weight (kg)</b>	31

\* 1 pump for each system.

**DIMENSIONS**



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Type	DIMENSIONS (MM)								
	A	B	C	D	E	F	H	K	M
<b>3760 Dualsys 1MP</b>	330	480	760	500	150	800	220	520	580