

3760 DUALSYS 1LP 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 1LP 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.

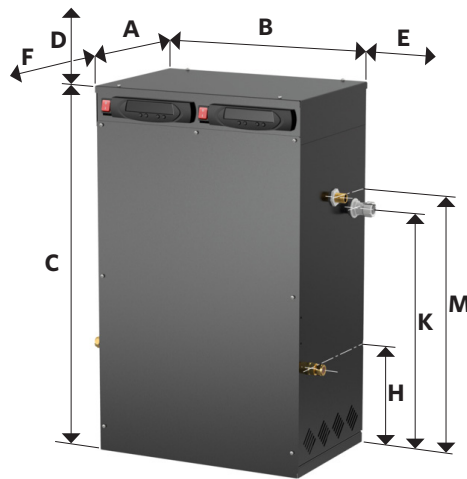
Material of Construction:

- **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.

Description	3760 Dualsys 1LP twin system floor standing PU
Order Code	9979040-012
Model	3760 DualSys 1LP
Pump quantity	2*
Connections	System (mm) - 2 x 15 (½"M)
	Mains Supply (mm) - 15 (½"M)
	Overflow (mm) - 22
Max. Delivery Pressure (bar)	3
Power Consumption (kW)	2 x 0.37
Full Load Current (A)	2 x 2.6
Weight (kg)	29

* 1 pump for each system.

DIMENSIONS



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