

3760 PROVDG 2UHP FLOOR STANDING DIGITAL PRESSURISATION UNITS | TWIN PUMP | DATA SHEET

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OVERVIEW

Compact, totally enclosed combined digital pressurisation units. System fluid is sampled from the system, isolated and subjected to a full vacuum. All dissolved air within the sample is liberated in accordance with Henry's Law and vented to atmosphere. The deaerated fluid is then reintroduced to the system. This process is automatically repeated and controlled with a digital processor. A turbo mode is available for initial system setup to allow for rapid deaeration of new installations.

The real-time display shows the status of the mechanical components.

The ProVDG are compact, totally enclosed combined digital pressurisation units with vacuum degasser for use on sealed systems in order to provide a minimum system pressure requirement and effective dissolved gas removal.

APPLICATION

Commercial and Industrial..

System Volume (Guide): < 300,000 litres

ADVANTAGES

Product Features

- For system volumes up to 300,000 litres.
- Double pump (for duty/standby configuration).
- Fluid Protection Category 5 (AB Weir Overflow).
- Onscreen Service Reminder - 12 Months.
- Individual controllers for pressurisation and degassing function.
- Vacuum degassing, turbo and normal interval modes.
- Electric pump 415V 50Hz 3ph.
- **Colour:** ProVDG: Black (RAL 9005).
- MODBUS RTU Communication Protocol.
- System fill mode.
- Password protected.
- Pressure setting in 0.1 bar increments.
- Sequential programming menu.
- 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).
- Optional Additional Volt Free Contacts: 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.
- **Safety rating:** IP 54.
- Maximum Turbo Runtime: 168 hours (1 week).
- Maximum Normal Downtime: 180 minutes (3 hours).
- Relative humidity 95% non-condensing.
- Noise Rating Data: < 75 dBA.

Certifications and Standards Applied:

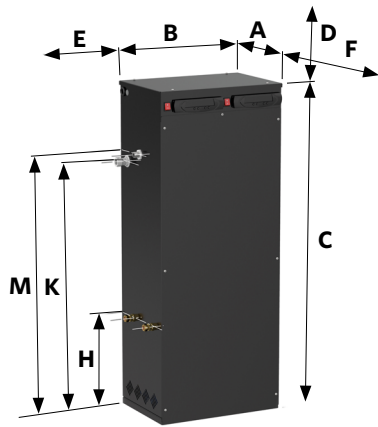
- PED 2014/68/EU Sound Engineering Practice.
- IEE - Electrical Safety Guidance.
- EMC 2004/108/EC.
- BS 7074 Parts 1 to 3.
- Machinery Directive 95/16/EC
- Electronic Components have been tested and comply with the EMC Directives.
- **EN 61000-6-2:** Generic Standards - Immunity standard for industrial 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 part 2.
- IP54 (BS EN60529) rated controller.

Material of Construction:

- **Cabinet:** Mild steel CR4.
- **Float:** WRAS Approved Beta Side Entry..
- **Break Tank:** WRAS Approved Polypropylene.
- **Connection:** Brass / Polypropylene.
- **Cylinder:** Stainless steel 304.
- **Pump:** PEDROLLO (Unit dependant. See pump details for more information).
- **Valves:** Brass.
- **Connection:** Brass / Polypropylene.
- **Pipework:** Braided Flexhose / EPDM / Copper.
- **Finish:** Powder coated.

Description	3760 2UHP Floor standing PU
Order Code	9979040-021
Model	3760 ProVDG 2UHP
Pump quantity	2
Mounting	Floor
Pressure rating [PN]	16
Connections	System (mm) - 2 x 15 (½")
	Mains Supply (mm) - 15 (½")
	Overflow (mm) - 22
Max. Delivery Pressure (bar)	13.6
Operating Pressure (bar)	8-16
Power Consumption (kW)	2 x 2.2
Full Load Current (A)	2 x 6.6

DIMENSIONS



Type	DIMENSIONS (MM)									
	A	B	C	D	E	F	H	K	M	N
3760 ProVDG 2UHP	660	470	1090	500	150	800	370	690	740	-

CLASSIFICATION GENERAL DATA

Product Name	3760 ProVDG 2UHP
Brand	Armstrong
Product Type	Floor Standing Pressurisation Unit with Vacuum Degassing
Product Number	9979040-021

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