

3750 PRO VDG 2HP COMBINED VACUUM DEGASSER AND DIGITAL PRESSURISATION UNITS | 3760 ProVDG 2HP | 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. Compact, totally enclosed combined digital pressurisation unit 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.
- Break Tank Capacity: 18 litres.
- Floor mounted pressurisation and degassing unit.
- Dry Run Protection.
- Anti-Seize Routine (Pump is pulsed for 2 seconds if inactive for 60 days, must be enabled at time of commissioning).
- Electric pump, 230V 50Hz 1ph.
- Colour: Red (RAL 440-5).
- System fill mode.
- Password protected.
- Bi-directional programming menu.
- Onscreen Service Reminder - 12 Months.
- MODBUS RTU Communication Protocol.
- Flood Protection (Pump Runtime Limiter, Excessive Start Alarm).
- Pressure setting in 0.1 bar increments.
- 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.
- Max. Turbo Runtime: 168 hours (1 week).
- Max. Normal Downtime: 180 minutes (3 hours).
- Volt Free Contacts: Common Fault Contact.
- 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
- 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.

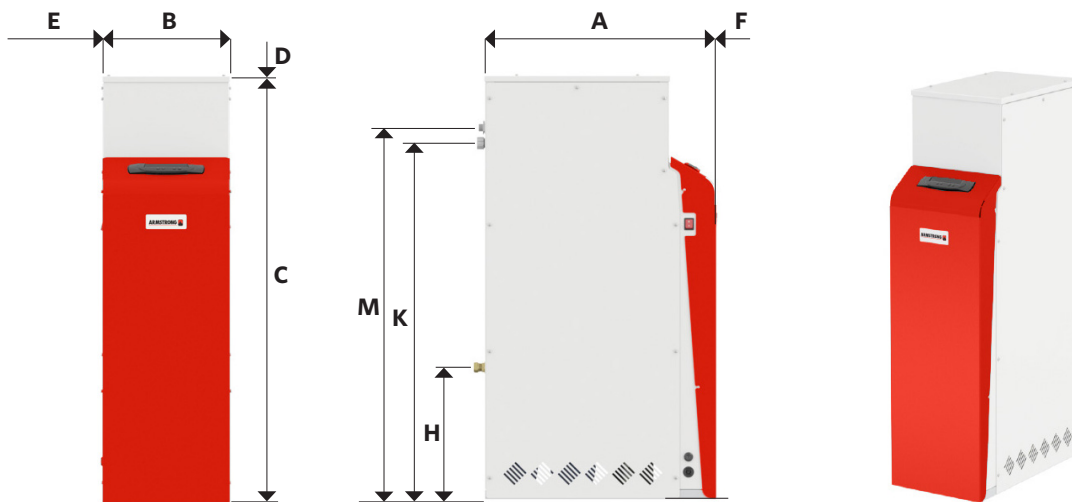
- **Cylinder:** Stainless steel 304.
- **Valves:** Brass / PTFE.
- **Connection:** Brass / Polypropylene.
- **Pipework:** Braided Flexhose / EPDM / Copper.

Material of Construction:

- **Cabinet:** Mild steel CR4 Powder Coated.
- **Break Tank:** Polypropylene.

Description	3760 ProVDG 2HP Twin pump vacuum degasser and PU
Order Code	9979040-020
Model	3760 ProVDG 2HP
Pump quantity	2
Connections	System (mm) - 2 x15 (½")
	Mains Supply (mm) - 15 (½")
	Overflow (mm) - 22
Max. Delivery Pressure (bar)	8
Power Consumption (kW)	2 x0.75
Full Load Current (A)	11.2
Weight (kg)	65

DIMENSIONS



Type	DIMENSIONS (MM)								
	A	B	C	D	E	F	H	K	M
3760 ProVDG 2HP	324	630	1095	500	150	500	340	922	960

- 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
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