

Compact, totally enclosed vacuum degasser unit (Pressure Step Degasser) for use on sealed systems in order to provide effective dissolved gas removal.

- For system volumes up to 300,000 litres (Flamco Midi PSD: 50000 litres).

Application of Use:

- Commercial.
- Industrial.
- Residential.

Advantages

- 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.

Product Features:

- Password protection for parameter entry.
- Pressure settings in 0.1 bar increments.
- Event logging for pump start, pump run hours counter, electrical interruption and common alarm.
- Volt free contacts for common fault.
- Pump fault, pressure transducer.
- Vacuum degassing, turbo and normal interval modes.
- Electric pump, 230V 50Hz 1ph (2160D: 415V 50Hz 3ph).



Technical Specifications

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.
- IP54 (BS EN60529) Rated Controller.
- WRAS Approved Pump.

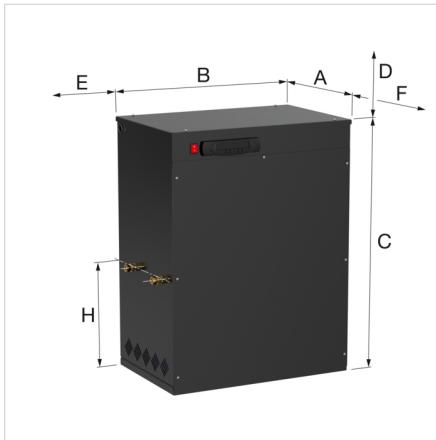
Operating Conditions:

- Ambient Temperature Range: 5 °C / 40 °C.
- System temperature range at the point of connection: 5 °C to 70 °C.
- 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.

Material of Construction:

- Cabinet: Mild steel CR4.
- Cylinder: Stainless Steel 304.
- Pump: PEDROLLO (Unit dependant. See pump details for more information).
- Valves: Brass.
- Connection: Brass.
- Pipework: Copper / Brass.
- Finish: Powder Coating.

| Description | PSD 250D |
|--------------------------|-----------------------------|
| Order Code | 17375 |
| GTIN | 08712874173750 |
| Model | <u>PSD</u> |
| Pump Quantity | 2 |
| Mounting | Floor |
| Connections [mm] | 2 x 15 (Rp $\frac{1}{2}$ ") |
| Pressure class [PN] | 10 |
| Operating Pressure [bar] | 1 - 6 |
| Power Consumption [kW] | 2 x 0.5 |
| Full Load Current [A] | 2 x 3.4 |
| Nom. Weight [kg] | 40 |



Dimensions PSD

| Type | Dimensions | | | | | | | |
|------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | H [mm] | K [mm] |
| Midi PSD 150D | 280 | 410 | 480 | 500 | 150 | 800 | 110 | 260 |
| PSD 250D | 310 | 465 | 790 | 500 | 150 | 800 | 445 | 445 |
| PSD 280D - 2160D | 390 | 600 | 790 | 500 | 150 | 800 | 445 | 445 |



Classification General Data

| | |
|---------------|-------------------------------------|
| Etim Group | Pressure increase/decrease |
| Etim Class | Central heating refill installation |
| Product Name | PSD 250D / 1.0 - 5.0 bar |
| Brand | FLAMCO |
| Product Type | Vacumat (incl. ENA/PSD/PressDS) |
| Artikelnummer | 17375 |
| GTIN | 08712874173750 |

Attributes

| | |
|--|-----------------|
| Nominal diameter | 1/2 inch (15) |
| Max. installation contents | 50000 Litre |
| With de-aerator | Yes |
| Pressure | 1 - 5 bar |
| With collection function for expansion water | Yes |
| Filling pipe connection | Internal thread |
| With automatic filling function | Yes |
| Height | 1160 Millimetre |
| Width | 320 Millimetre |
| Depth | 470 Millimetre |

Find more information online:[Installation and operating instruction](#)[Certificates Degasser range](#)[PSD STEP](#)[PSD RFA](#)[DXF PSD](#)[PSD IGES](#)[Export catalogue](#)[Overview of spares kits](#)[Spare parts list](#)[Productdatasheet PSD](#)

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