

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.

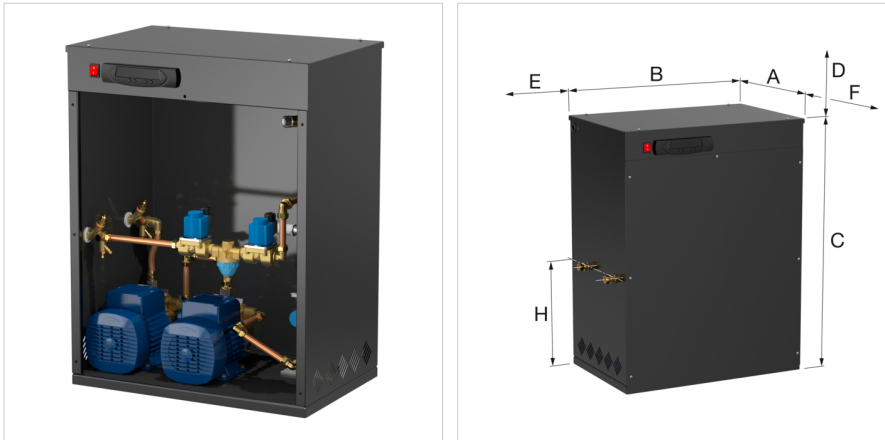
#### Operating Conditions:

- 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](#)

Washway Lane  
UK-WA10 6PB, St Helens, Merseyside - gb

T +44 17 447 447 44

E [uk.info@aalberts-hfc.com](mailto:uk.info@aalberts-hfc.com)

I [flamcogroup.com/uk-en](http://flamcogroup.com/uk-en)