

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.

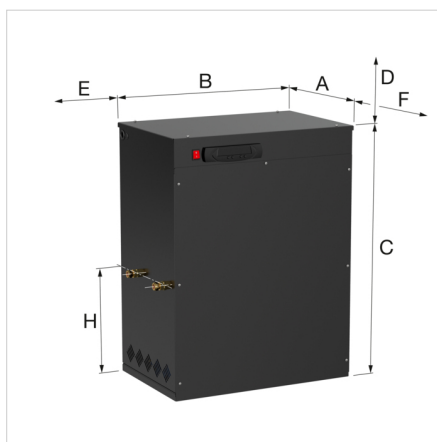
#### Operating Conditions:

- 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 280DS / 1.0 - 8.0 bar
Order Code	17105
GTIN	08712874171053
Model	<u>PSD</u>
Pump Quantity	2
Mounting	Floor
Connections [mm]	2 x 15 (Rp 1/2")
Pressure class [PN]	10
Operating Pressure [bar]	1 - 8
Power Consumption [kW]	2 x 0.75
Full Load Current [A]	2 x 5.6
Nom. Weight [kg]	46


**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	Filters/separators
Etim Class	Air-/dirt separator
Product Name	PSD 280DS / 1.0 - 8.0 bar
Brand	FLAMCO
Product Type	Vacumat (incl. ENA/PSD/PressDS)
Artikelnummer	17105
GTIN	08712874171053

**Attributes**

Separator type	Air
Housing material	Other
Housing material quality	Other
Variable flow direction	No
Suitable for heating	Yes
Suitable for cooling	Yes
Nominal diameter	1/2 inch (15)
Outer pipe diameter	15 Millimetre
Connection	Compression ring
Article compression class	PN 10
Surface protection	Lacquered
Suitable for open system	No
Suitable for closed system	Yes
With drain valve	No
With dismountable filter	No
Backwash filter	No
With automatic de-aerator	Yes
With couplers	Yes
Inlet/outlet offset distance	0 Millimetre
Max. operating pressure	10 Bar
With insulation	No

**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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