



Degasser DG8



All Degasser comes with CSM renowned customer service, from conceptual design to implementation, and are backed by a one year warranty

Degasser Pipeline

The pipeline degasser removes gas by slowing down the liquid flow velocity, ensuring that the exit liquid supply is pure. It is typically installed either in-line or at the end of the pipeline before connecting to equipment. The degasser is modular and pre-engineered for easy installation and flexible arrangement within a piping system

Degasser

Due to a constant heat leak and pressure drop between the storage tank and the consumer use points, a portion of the liquid nitrogen in the pipeline will evaporate into gas or vapor. As the liquid passes through the degasser, the gas is removed, ensuring high-quality liquid is delivered to the use points. This is done by mechanically separating the boil-off gas from the liquid.

The degasser is maintenance-free and does not require any field adjustments. Its operation requires no electrical power, sensors, pneumatics, or electronics. The pre-engineered degasser has a capacity of delivering liquid nitrogen flow consumptions up to 200 L/h, with higher capacities available upon request.

Related Products:



Vent Heater

Typical Applications

- This product is suitable for cooling down piping without venting gas through the equipment
- It can be used as phase separators in combination with a back-pressure valve when no electric power or pneumatics are available

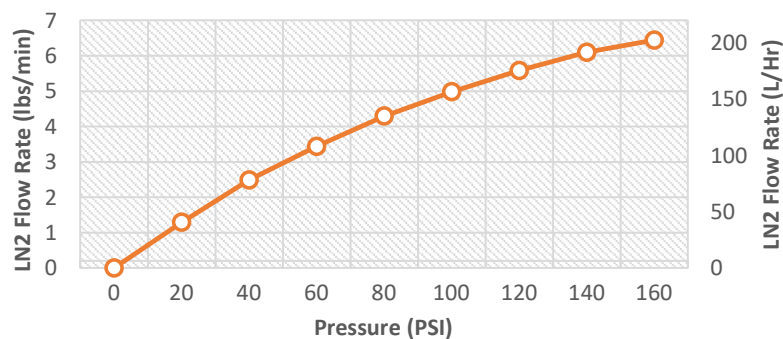
Features and Benefits

- The degasser is available with either bayonet or pipe threaded termination
- It uses a bayonet connection to facilitate future expansion of the piping system
- The degasser ensures consistent and efficient liquid supply from bulk storage to the end application
- It maintains liquid in the piping system at all times

Pipeline Degasser Specifications

Degasser Model	DG2	DG8	DG22
Vessel Capacity	0.5 gal (2L)	2 gal (8L)	6 gal (22L)
Type	In-line / End of Line	In-line	In-line
Control Principle	Mechanical/Buoyancy Force		
Venting Capacity	1.5 Nm ³ /hr Max (Fix Orifice)		
Insulation	Static vacuum with Multi-Layer Insulation		
Cleanliness Level	Cleaned oil and grease-free Oxygen clean on request		
Maximum Operating Pressure	200 psig (13.8 bar)		
Material Construction	Stainless Steel Series 300		
Standard Testing	Dimensional Check He leak checked 1 x 10 ⁻⁹ cc/s		
Optional	Pneumatic pressure test, Vacuum retention testing, LN2 cold shock, pre-material certs., X-ray, ASME B31.3 certification, CFOS cleaning for O2 services		

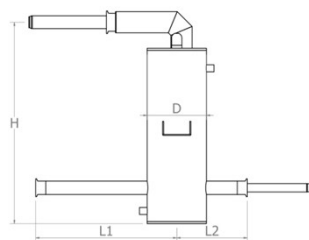
DG2 Flow Rate*



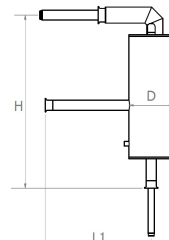
*Depending on liquid supply quality or liquid storage saturated pressure, i.e. gas & liquid mixture ratio. Larger saturation results in lesser liquid flow output

Dimensions

P/N	H	L1	L2	D
DG2-H-C5F/C5M-DD	22.5" (571mm)	15.7" (400mm)	7.9" (200mm)	6.6" (168mm)
DG8-H-C10F/C10M-DD	24.3" (617mm)	21.3" (540mm)	12.2" (310mm)	11.8" (300mm)
DG2-B-C5F/C5M-DD	25.6" (649mm)	15.7" (400mm)	-	6.6" (168mm)



In-line Degasser



End-of-line Degasser