

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

Related Product:



Vent Heater

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.

Typical Applications

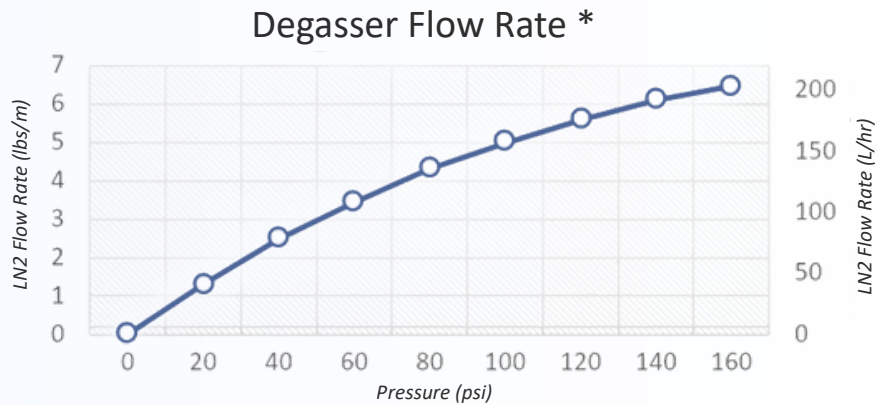
- This product is suitable for cooling down piping without venting gas through the equipment.
- It can be used as phase separators in combination with a back-pressure valve when no electric power or pneumatics are available.

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

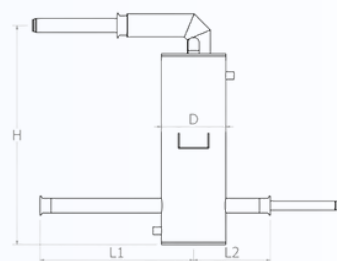
Model	DG2	DG8	DG22
Vessel Capacity	0.5 gal (2 L)	2 gal (8 L)	6 gal (22 L)
Type	In-Line	End-of-Line	End-of-Line
Control Principle	Mechanical / Buoyancy Force		
Max. Venting Capacity	1.5 Nm ³ /hr (Fixed Orifice)		
Insulation	Static / Dynamic Vacuum		
Cleanliness Level	Cleaned, oil and grease-free		
Maximum Operating Pressure	200 psi (13.8 bar)		
Material Construction	Stainless Steel Series 300		
Standard Testing	Dimensional Check He Leak Checked @ 1×10^{-9} cc/s		
Optional	Pneumatic Pressure Test, Vacuum Retention Testing, LN2 Cold Shock, Pre-Material Certs., X-ray Inspection, ASME B31.3 Certification, CFOS Cleaning for O2 Services		



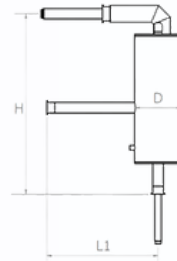
* Depending on liquid supply quality or liquid storage saturated pressure, i.e. gas & liquid mixture ratio. Larger saturation results in lesser liquid flow output

Pipeline Degasser Dimensions

Part Number	H	L1	L2	D
DG2I-H-C05-S	22.5" (571 mm)	15.7" (400 mm)	7.9" (200 mm)	6.6" (168 mm)
DG8I-H-C10-S	24.3" (617 mm)	21.3" (540 mm)	12.2" (310 mm)	11.8" (300 mm)
DG2E-V-C05-S	25.6" (649 mm)	15.7" (400 mm)	-	6.6" (168 mm)
DG8E-V-C05-S	26.6" (675 mm)	20.1" (510 mm)	-	11.8" (300 mm)



In-line Degasser



End-of-line Degasser

All dimensions provided are for indication purposes only and may not accurately represent the actual product dimensions. Please contact us for updated and actual measurements.