



Perma-Cyl (High Pressure- High Flow)

General Specifications				
Relief Valve Setting/ MAWP	psi	500	bar	34.45
Overall Height	in	117	mm	2970
Width with Piping	in	62	mm	1575
Length with Piping	in	59	mm	1500
Tank Diameter	in	48	mm	1219
Tare Weight	lbs	3,860	kg	1751

Capabilities				
Gross Volume	gal	539.5	liters	2042
Net Volume	gal	513.9	liters	1945
Gaseous Volume (1 Atm & 70 °F °C)*				
Oxygen	scf	59,089	Nm3	1553
Nitrogen	scf	47,847	Nm3	1257
Argon	scf	57,786	Nm3	1519

Performance				
Normal Evaporation Rate				
Nitrogen	per day	1%	per day	1%
Oxygen & Argon	per day	0.62%	per day	0.62%
Gas Supply Rate	scfh	2000	Nm3H	
High-Flow Option	scfh	3500	Nm3H	52.4 92

Construction	
Design & Manufacturing Code	ASME Sec. VIII Div. 1
Outer Vessel	Type 304 SS
Multi-Function Vaporizer (Standard)	Ambient Side-Mounted Aluminum

Specifications subject to change without prior notice.

Covered by existing and pending patents.

**Values are based on net capacity at 0 psig (0 bar).*

***Values are based on gross volume.*

Flow Schematic Key

- 1 - Gas Supply
- 2 - Multi-Function External Vaporizer
- 3 - Top Fill
- 4 - Bottom Fill / Liquid Withdrawal Line
- 5 - Pressure Building Regulator
- 6 - Pressure & Contents Gauges
- 7 - Safety Relief Valve / Burst Disc
- 8 - Vent / Trycock

