PERMA-CYL 700 HP MEETS NFPA 99 REQUIREMENTS FOR INDOOR OXYGEN STORAGE

The Perma-Cyl[®] 700 HP MicroBulk Storage System is designed to allow the user the maximum amount of indoor oxygen storage per NFPA 99. A perfect indoor storage system for medical MicroBulk applications.

PRODUCT HIGHLIGHTS

- Patented float design allows for a ventless, auto shutoff when filled with an Orca™ MicroBulk Delivery System.
- Option packages allow the user to customize plumbing on tank to meet all requirements for a medical oxygen delivery system.
- Optional pallet base allows for easy movement with a forklift or pallet jack.
- Extended holding times.
- Telemetry ready with new Cyl-Tel[®] Liquid Level Gauge.



Plumbing Configuration - Top View



Telemetry ready Cyl-Tel® Liquid Level Gauge



Perma-Cyl 700 HP



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CAPACITIES			Oxygen & Nitrogen Capacities based on Normal Tank Operating Pressures (Table 1)			
Gross Volume	181.8 gal	688 liters	Operating	0,	N,	0,
Net Volume	170.4 gal	645 liters	Pressure		Capacity	HP Back up ¹
Gas Storage Capacity			(saturated)	(SCF)	(SCF)	(300 scf) Total No. Allowed
Oxygen	See Table 1	See Table 1				
Nitrogen	See Table 1	See Table 1	0	19,582	15,867	1
Argon*	19,160 scf	542 Nm ³	50	18,041	14,358	6
Carbon Dioxide*	12,608 scf	357 Nm ³	100	17,176	13,474	9
GENERAL SPECIFICATIONS			150	16,506	12,771	11
Relief Valve Setting / MAWP	350 psi	24.1 bar	200	15,912 15,370	12,139 11,539	13 15
Overall Height w/ Piping	62.5 in	1588 mm	300	14,854	10,939	17
Width w/ Lab Base	47 in	1194 mm	¹ Depicts number of high pressure cylinders that can be used for the secondary supply source to stay below 20,000 scf of indoor storage capacity per NFPA 99.			
Tank Diameter	42 in	1067 mm				
Tare Weight**	1250 lbs	567 kg				
PERFORMANCE			1			
Normal Evaporation Rate (% per day)***]			
Nitrogen	1%	1%				
Oxygen & Argon	0.62%	0.62%				
Carbon Dioxide	.3%	.3%				
Gas Supply Rate	660 scfh	18.6 Nm ³ H				
Carbon Dioxide	220 scfh	6.2 Nm ³ H]			
CONSTRUCTION]			
Design & Manufacturing Code	ASME Sec. VIII Div. 1					
Outer Vessel	Type 3	04 SS	1			

Footnotes: Specifications subject to change without prior notice.

Patent: 5,954,101

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

**Weight does not include lab base (265 lbs).

***Values are based on gross volume.

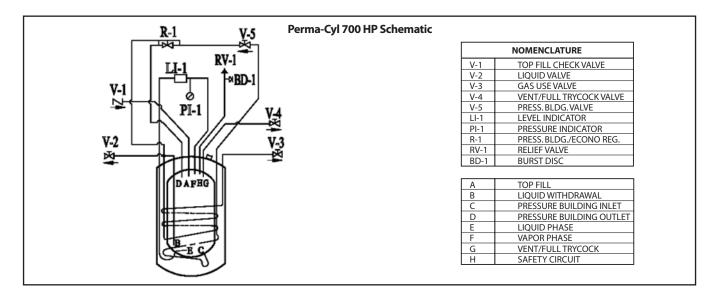


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