PERMACYL ZX

High Pressure
High Flow

Chart's Microbulk Solution for Stationary Applications

Easy to Use

- Compact unit including product vaporizer
- Automatically optimizes operating pressure and gas use
- All valves and instruments within easy reach and visibility
- Pallet base for easy manipulation
- Quick and easy installation

Cost Effective

- Long holding time and low normal evaporation rates using super-insulation technology
- All stainless steel construction and patented inner support system for durability and long life
- Uses up to 65% less space than comparable high pressure cylinder bundles or pallets

Superior Performance

- Pressures up to 37 bar
- Continuous gas flow rate up to **130 m³/h at 30 bar**
- High performance pressure building system
- Large integrated vaporizer creates high flow of gas

The optimum gas supply system for laser and other high pressure applications

5 -year vacuum warranty

CHART
Innovation. Experience. Performance.

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PERMACYL ZX

Specifications

Model			600/37 ZX M12	1000/37 ZX M12	1500/37 ZX M12	2000/37 ZX M12
Capacity						
Liquid (gross)*		(liters)	601	997	1539	2021
Liquid (net)		(liters)	571	947	1462	1920
Gas**	(N_2)	(Nm^3)	369	612	945	1241
	(O_2)	(Nm^3)	456	756	1167	1533
	(Ar)	(Nm^3)	446	740	1142	1500
Capacity						
NER***	(N_2)	(% day)	1	0,9	0,8	0,8
Gas Flow (N_2, O_2, Ar)		(Nm^3/hr)	70	100	120	130
Gas Flow (CO_2 or N_2O)		(Nm^3/hr)	21	30	40	42
Max. Relief Valve Setting		(bar)	37	37	37	37
Design Regulation			PED (EN 13458)			
Dimensions						
Tank Diameter		(mm)	900	1100	1400	1400
Base Dimensions	(LxW)	(mm)	1070 x 1360	1270 x 1560	1570 x 1860	
Type of Base			Pallet Base			
Height		(mm)	2135	2150	2150	2550
Tare Weight	(approx.)	(kg)	703	906	1279	1470

* Volume tolerance is ±4%
** At 0 barg pressure for N_2, O_2, Ar and 10 bar for CO_2, N_2O
*** NER: Nominal Evaporation Rate
Note: All models and specifications are conditional and subject to change without prior notice.

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