

PERMA-CYL[®] 3000

High Pressure
High Flow

Perma-Cyl[®] 3000 extends the capacity of the popular range to 3000 litres and provides all the associated benefits of a stationary palletized tank to higher capacity users.

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
- Manipulation using standard fork-lift truck
- Optionally horizontal transportation kit

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

5 -year
vacuum
warranty

Features & Benefits

- High thermal efficiency – **Perma-Cyl[®] 3000** is engineered to retain its contents
- Limit product losses, even during extended periods of little use
- Compatibility with other Chart products
- Digital control system
- Significantly reduced installation time and cost
- Simple and reliable operation
- Outdoor or indoor installation

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



PERMA-CYL[®] 3000

Specifications

Model	3000/18		3000/22		3000/37 ZX	
	M12		M12		M12	
Capacity						
Liquid (gross)*	(liters)	2900	2900	2900	2900	2900
Liquid (net)	(liters)	2755	2755	2755	2755	2755
Gas**	(N ₂)	(Nm ³)	1781	1781	1781	1781
	(O ₂)	(Nm ³)	2199	2199	2199	2199
	(Ar)	(Nm ³)	2152	2152	2152	2152
Performance & general info						
NER***	(N ₂)	(% day)	0,8	0,8	0,8	0,8
Gas Flow (N ₂ , O ₂ , Ar)		(Nm ³ /hr)	50	50	130	130
Gas Flow (CO ₂ or N ₂ O)		(Nm ³ /hr)	15	15	42	42
Max. Relief Valve Setting		(bar)	18	22	37	37
Design Regulation	PED (EN 13458)					
Dimensions & weight						
Tank Diameter	(mm)	1500				
Base Dimensions (LxW)	(mm)	1950 x 1660				
Type of Base	Pallet Base					
Height	(mm)	2850				
Tare Weight	(approx.)	(kg)	1430	1522	1847	1847

* Volume tolerance is ±4%

** At 0 barg pressure for N₂, O₂, Ar and 10 barg for CO₂, N₂O

*** NER: Nominal Evaporation Rate

Note: All models and specifications are conditional and subject to change without prior notice.

Fastest filling is achieved through **Orca** trailer, which also includes an automatic safety cut-off when the **Perma-Cyl[®] 3000** is full.



Chart Industries Group D&S

Chart Ferox, a.s. • Ústecká 30 • CZ-405 30 • Děčín 5

Tel.: +420 412 507 111 • Fax: +420 412 510 200

EN/PERMACYL3000/16NOV/2015 © Chart Ferox, a.s. All Rights Reserved

ferox-sales@chartindustries.com

www.chart-ferox.com