

EURO-CYL

180 MCR LFT at 24 bar

The Permanent Gas Transport Liquid Cylinder

Easy to Use

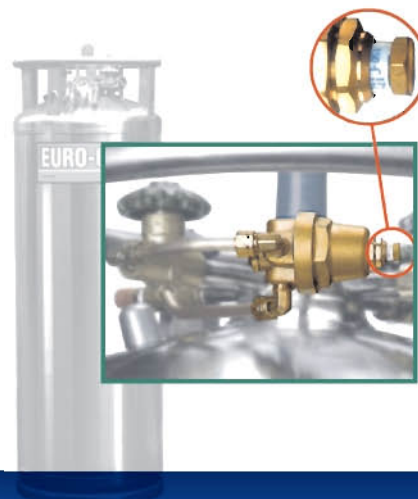
- Designed for permanent transport application e. g. Life Fish Transport - LFT
- Automatic pressure building and gas economizer systems
- All valves and instruments within easy reach and visibility
- Stable low center of gravity

Superior Performance

- Rugged, maneuverable and fast filling
- Gas and/or liquid withdrawal
- Continuous flow rates 9,2 Nm³/h

Cost Effective

- Super-insulation provides long holding time and low Nominal Evaporation Rate
- All stainless steel vessels and patented robust inner support system for durability and long life
- Heavy-duty footing and large diameter handling ring with four supports



Innovation. Experience. Performance.

Chart Ferox, a.s., a Chart Industries Company

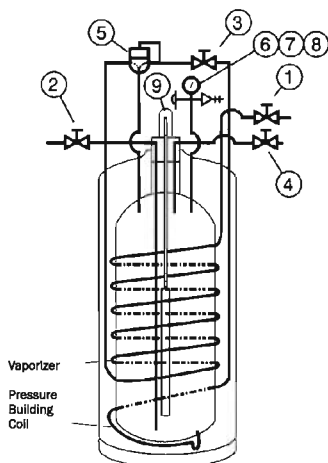
Chart Ferox, a.s. • Ústecká 30 • CZ-405 30 Děčín • Czech Republic • ph/ +420-412-507 343 • fx/ +420-412-507 297
Chart Ferox GmbH • Brosshauser Straße 20 • D-42697 Solingen • Germany • ph/ +49-(0)212-2 33 67-0 • fx/ +49-(0)212-2 33 67-10
Email: ferox-sales@chart-ind.com • Internet: <http://www.chart-ferox.com>
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Type		180 / 24 MCR LFT	
Capacity			
Liquid (gross)	(liters)	196	
Liquid (net)	(liters)	186	
Gas (N ₂)**	(Nm ³)	98	
Gas (O ₂)**	(Nm ³)	126	
Gas (Ar)**	(Nm ³)	123	
Gas (CO ₂)**	(Nm ³)	104	
Gas (N ₂ O)**	(Nm ³)	96	
Performance			
NER**** (N ₂)	(% per day)	2,9	
NER (O ₂ - AR)	(% per day)	1,8	
NER (CO ₂ - N ₂ O)	(% per day)	0,5	
Gas Flow (N ₂ , O ₂)	(Nm ³ /hr)	9,2	
Gas Flow (CO ₂ or N ₂ O)	(Nm ³ /hr)	2,9	
Relief Valve Setting	(bar)	24	
Code		TPED (EN1251, ADR)	
Dimensions			
Tank Diameter	(mm)	508	
Base Type		footring	
Base Size	(mm)	508	
Height	(mm)	1622	
Empty Weight	(kg)	135	
Maximum Full Weight***	N ₂ (kg)	285	
	O ₂ (kg)	347	
	Ar (kg)	394	
	CO ₂ (kg)	354	
	N ₂ O (kg)	331	

** At 10 bar pressure

*** Tank plus product at saturated pressure 0 bar for O, N, Ar and triple point for CO and NO

**** NER: Nominal Evaporation Rate



Item Plumbing Controls and Function

- 1. Gas Use Valve** – Used for gas withdrawal.
- 2. Fill / Liquid Valve** – Used for filling or liquid withdrawal.
- 3. Pressure Control Valve** – Used to turn on / off the pressure control regulator function.
- 4. Vent Valve** – Used to vent pressure.
- 5. Combination Pressure Control Regulator** – Used to automatically control operating pressure.
- 6. Pressure Gauge** – Indicates internal cylinder pressure.
- 7. & 8. Dual Pressure Relief Valves** – Used to limit pressure in the liquid cylinder.
- 9. Liquid Level Gauge** – Used to approximate the liquid contents of the liquid cylinder.