

The All-Purpose Gas Transport, Storage and Supply Vessels

Easy to Use

- Ideal for transportable or stationary gas supply
- 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 up to 10,5 Nm³/h

Cost Effective

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



EC230SB shown with optional caster base and towing handle



LCCM Models

Dual function regulator controls pressure building and gas economizing

Eliminates copper piping and fittings

Easy to set and adjust pressure-control knob

5-year
vacuum
warranty

Type		180 / 24	230 / 22 RB	230 / 22 SB*
Capacity				
Liquid (gross)	(liters)	196		240
Liquid (net)	(liters)	186		228
Gas (N ₂)**	(Nm ³)	98		120
Gas (O ₂)**	(Nm ³)	126		154
Gas (Ar)**	(Nm ³)	123		151
Gas (CO ₂)**	(Nm ³)	104		128
Gas (N ₂ O)**	(Nm ³)	96		118
Performance				
NER**** (N ₂)	(% per day)	1,9		1,8
NER (O ₂ - AR)	(% per day)	1,3		1,2
NER (CO ₂ - N ₂ O)	(% per day)	0,5		0,5
Gas Flow (N ₂ , O ₂)	(Nm ³ /hr)	9,2		10,5
Gas Flow (CO ₂ or N ₂ O)	(Nm ³ /hr)	2,9		2,9
Relief Valve Setting	(bar)	24		22
Code		TPED (EN1251)		TPED (EN1251)
Dimensions				
Tank Diameter	(mm)	508	660	
Base Type		footring	round with 5 casters	mini-pallet
Base Size	(mm)	508	660	715x715
Height	(mm)	1622	1392	1389
Empty Weight	(kg)	135	170	189
Maximum Full Weight***	N ₂ (kg)	285	354	373
	O ₂ (kg)	347	430	449
	Ar (kg)	394	488	507
	CO ₂ (kg)	354	439	458
	N ₂ O (kg)	331	410	429

* Option: Casters and towing handle (adds approximately 130 mm to overall height and 10 kg to overall weight)

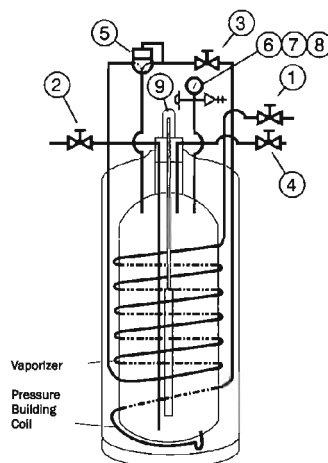
** At 10 bar pressure

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

**** NER: Nominal Evaporation Rate



The Roto-Cal™ gauge features an easy-to-read dial liquid level indicator with swivel head design.



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.