Carbo-Mizer® 750

The Carbo-Mizer 750 bulk CO₂ system is an affordable alternative to high-pressure cylinders. This system offers flow rates that meet the demands of high-volume applications.

Each Chart Carbo Series vessel is equipped with a proprietary vacuum maintenance system to ensure optimized long-term performance. Unique to the market, this feature offers greater efficiency over longer periods of time.

A unique feature of this vessel's construction is its liquid withdrawal port, making high flow liquid CO₂ readily available.
### SPECIFICATIONS

**Product Advantages:**
- Stainless steel, double-walled, vacuum-insulated container
- Proprietary vacuum regeneration system for on-site maintenance
- Optional patented Sure-Fill system enables tank filling with no manual venting
- Stable 6” uni-body legs meet health department sanitation requirements
- Safe, low operating pressure
- Easy-to-read gauges for CO₂ contents and tank pressure
- Efficient gas withdrawal system supplies CO₂ gas up to 15 lbs per hour

#### DIMENSIONS
- Diameter: 26 in (66 cm)
- Height (with legs): 73.875 in (187.6 cm)
- Empty Weight: 430 lb (195 kg)
- Full Weight: 1219 lb (552.9 kg)

#### DESIGN CRITERIA
- Code: ASME*
- MAWP: 300 psig (20.7 bar)
- Insulation Type: SI †

#### CAPACITY
- Gross Volume: 89.1 gal (337.3 ltr)
- Net Storage Volume: 82 gal (310 ltr)
- Storage Capacity at 125 psig: 789 lb (357.9 kg)

#### PERFORMANCE
- Evaporation Rate: 3.0 lb/day (1.4 kg/day)
- CO₂ Gas Delivery (Continuous): 10 lb/hr (4.5 kg/hr)
- Peak Flow Rate (gas use): 15 lb/hr (6.8 kg/hr)

#### COMPONENTS
- ASME Relief Valve Setting: 300 psig (20.7 bar)
- Secondary RV Setting: 450 psig (31.0 bar)
- Gas Use Connection: 1/4 in 45° Flare
- Fill Line Connection: 5/8 in Male 45° Flare
- Vent Connection: 1/2 in OD Tubing

#### CONSTRUCTION
- Inner Vessel Material: Stainless Steel
- Outer Vessel Material: Stainless Steel
- Vaporizer Coil: Stainless Steel
- Liquid Level Gauge: Differential Pressure

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* Height without legs, subtract 6 in
† ASME Boiler and Pressure Vessel Design Section VIII, Div. 1
SI: Super Insulation/High Vacuum
§ No loss in normal applications
≠ 12 consecutive hours at room temperature
‡ Four consecutive hours at room temperature
◦ Float gauge available upon request