Carbo-Mizer® 450
The Carbo-Mizer 450 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.
CARBO-MIZER® 450
HIGH CAPACITY BULK CO₂

Product Advantages:
• Proprietary vacuum regeneration system for convenient, on-site maintenance
• Safe, low operating pressure
• Easy-to-read gauges for contents and tank pressure
• Efficient gas withdrawal system supplies CO₂ gas up to 10 pounds per hour (4.5 kg)
• Fully automated system requiring no electricity
• Optional 6" (15.2 cm) welded uni-body legs
• Optional collection ring ensures quality CO₂ gas delivery

SPECIFICATIONS

Dimensions
- Diameter: 20 in (50.8 cm)
- Height (with legs): 71.875 in (162.6 cm)
- Empty Weight: 273 lb (123.8 kg)
- Full Weight: 750 lb (340.2 kg)

Design criteria
- Code: ASME*
- MAWP: 300 psig (20.7 bar)
- Insulation Type: SI †

Capacity
- Gross Volume: 52 gal (196.8 ltr)
- Net Storage Volume: 48 gal (182 ltr)
- Storage Capacity at 125 psig: 477 lb (216.4 kg)

Performance
- Evaporation Rate §: 2.5 lb/day (1.1 kg/day)
- CO₂ Gas Delivery (Continuous) ‡: 5.5 lb/hr (2.5 kg/hr)
- Peak Flow Rate †: 10 lb/hr (4.5 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
- Liquid Level Gauge ‡: Differential Pressure

Your Local Representative

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* ASME Boiler and Pressure Vessel Design Section VIII, Div. I
† Super Insulation/High Vacuum
§ No loss in normal applications
‡ Four consecutive hours at room temperature
○ Float gauge available upon request

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