Carbo-Mizer® 300

The Carbo-Mizer 300 bulk CO₂ system is an affordable alternative to high-pressure cylinders. This system is designed to meet the requirements of operations using less than 299 lb (135.6 kg) of CO₂ per month.

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® 300
HIGH CAPACITY BULK CO₂

Product Advantages:
- Stainless steel, double-walled, vacuum insulated container
- Proprietary vacuum maintenance 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 in excess of 3 lb/hr (1.4 kg)
- Fully automated system requiring no electricity
- Optional 6" (15.2 cm) welded uni-body legs

SPECIFICATIONS

DIMENSIONS
Diameter: 20 in (50.8 cm)
Height (with legs)*: 55.625 in (141.28 cm)
Empty Weight: 216 lb (98 kg)
Full Weight: 515 lb (233.6 kg)

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

CAPACITY
Gross Volume: 34.3 gal (129.8 ltr)
Net Storage Volume: 32 gal (121 ltr)
Storage Capacity at 125 psig: 299 lb (135.6 kg)

PERFORMANCE
Evaporation Rate §: 2.0 lb/day (.91 kg/day)
CO₂ Gas Delivery (Continuous) ‡: 1.0 lb/hr (.5 kg/hr)
Peak Flow Rate ‡: 3.0 lb/hr (1.4 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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* Height without legs, subtract 6 in
† ASME Boiler and Pressure Vessel Design Section VIII, Div. I
‡ 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
* Meets NSF International Standards