

CARBO-MIZER® 450

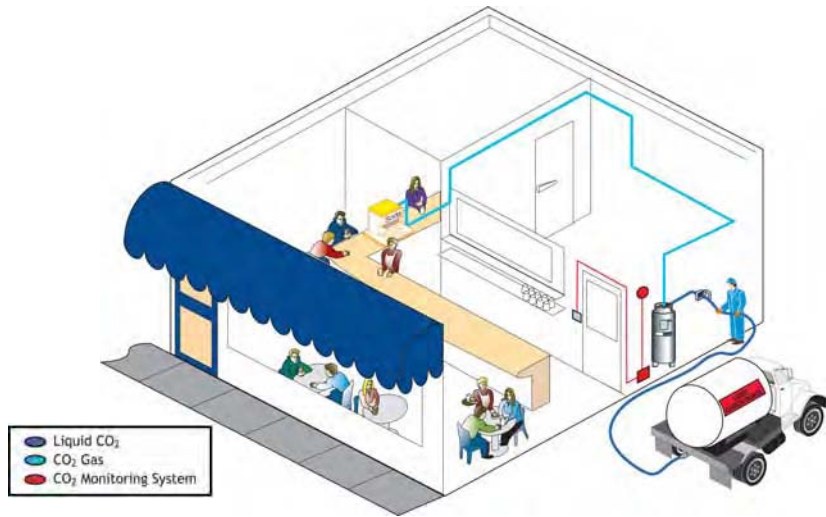
HIGH CAPACITY - HIGH FLOW BULK CO₂

MVE

Beverage Systems



• FAST FOOD • CONVENIENCE STORES • RESTAURANTS • BARS



Carbo-Mizer® 450

The MVE 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.

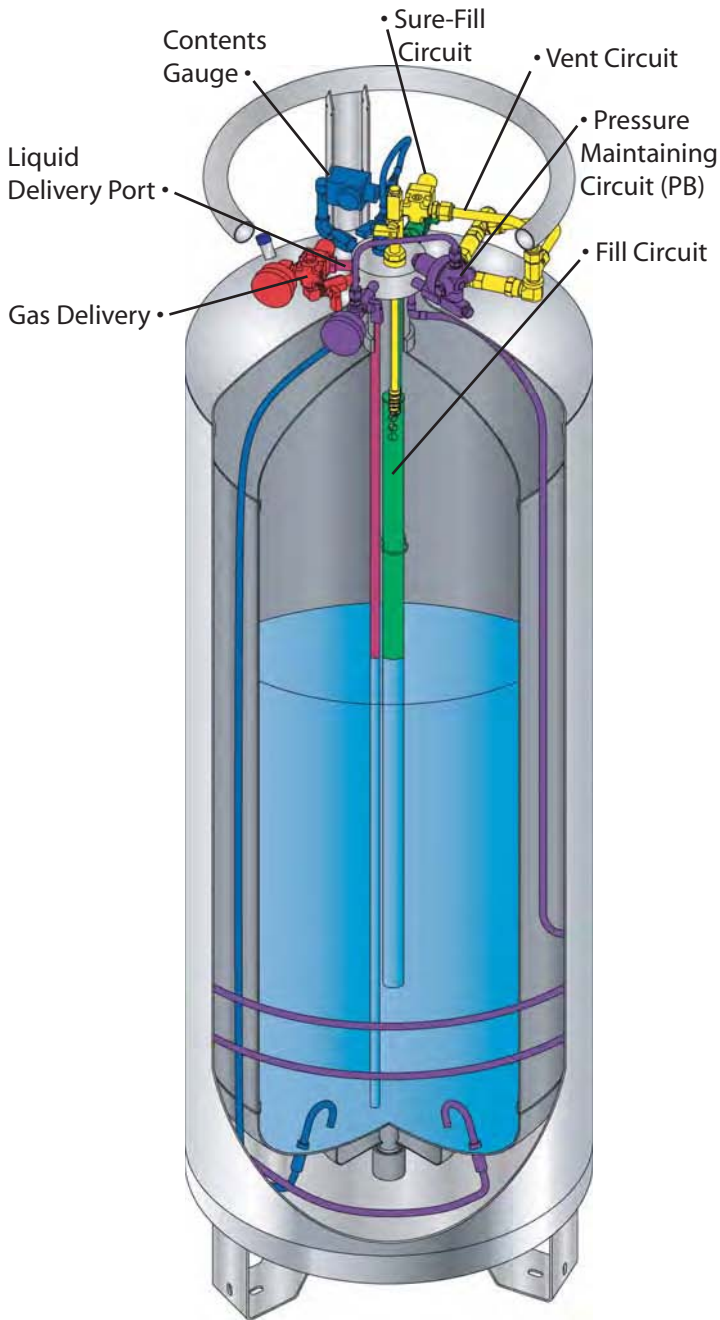
Each MVE Carbo-Series vessel is equipped with a proprietary vacuum maintenance system to ensure optimized long-term performance. Unique to the market, this feature offers greater efficiency over longer periods of time.



Innovation. Experience. Performance.®

CARBO-MIZER® 450

HIGH CAPACITY - HIGH FLOW 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) ^α	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
CO ₂ 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

- ^α 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

Your Local Representative

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