

CARBO-MIZER® 450

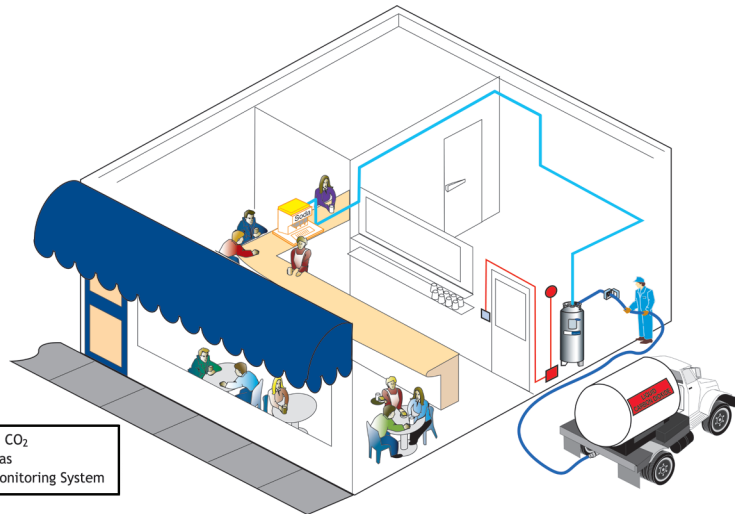
HIGH CAPACITY BULK CO₂



Bulk CO₂ Systems



•FAST FOOD•CONVENIENCE STORES•RESTAURANTS•BARS



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.

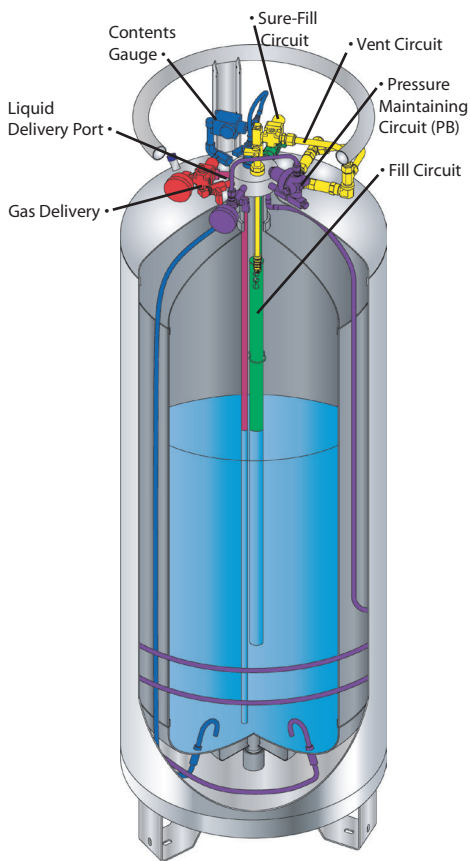


CARBO-MIZER® 450


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 †	
Certifications *		
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‡	10.0 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	

⊠ Height without legs, subtract 6 in.

* ASME Boiler and Pressure Vessel Design Section VIII, Div. 1

† 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 & European Union Regulation (EC) No 1935/2004

Your Local Representative



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