

CARBO-MITE™ 220

LOW CAPACITY – HIGH THERMAL PERFORMANCE BULK CO₂



• FAST FOOD • CONVENIENCE STORES • RESTAURANTS • BARS



Carbo-Mite™ 220

The Carbo-Mite 220 is a new generation bulk liquid CO₂ storage container designed for the small 20/50 lb. (9/22,5 kg) high-pressure cylinder user. The revolutionary design and construction of the Carbo-Mite provides all the benefits of bulk storage with no gas losses between refills up to six months apart.*

* Minimum account size CO₂ use: 1.0 lbs (0,45 kg)/day



PRODUCT ADVANTAGES

- Safe, low operating pressure
- Enhanced drink quality
- Added back room security
- Eliminate changing high-pressure cylinders
- Eliminate running out of CO₂ during peak rush periods.
- Peak flow rate**: 1.5 lb (0,68 kg)/hr
- Indoor or outdoor installation

** 4 consecutive hours at room temperature



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**Chart Industries Group D&S
Flow Instruments & Engineering GmbH**

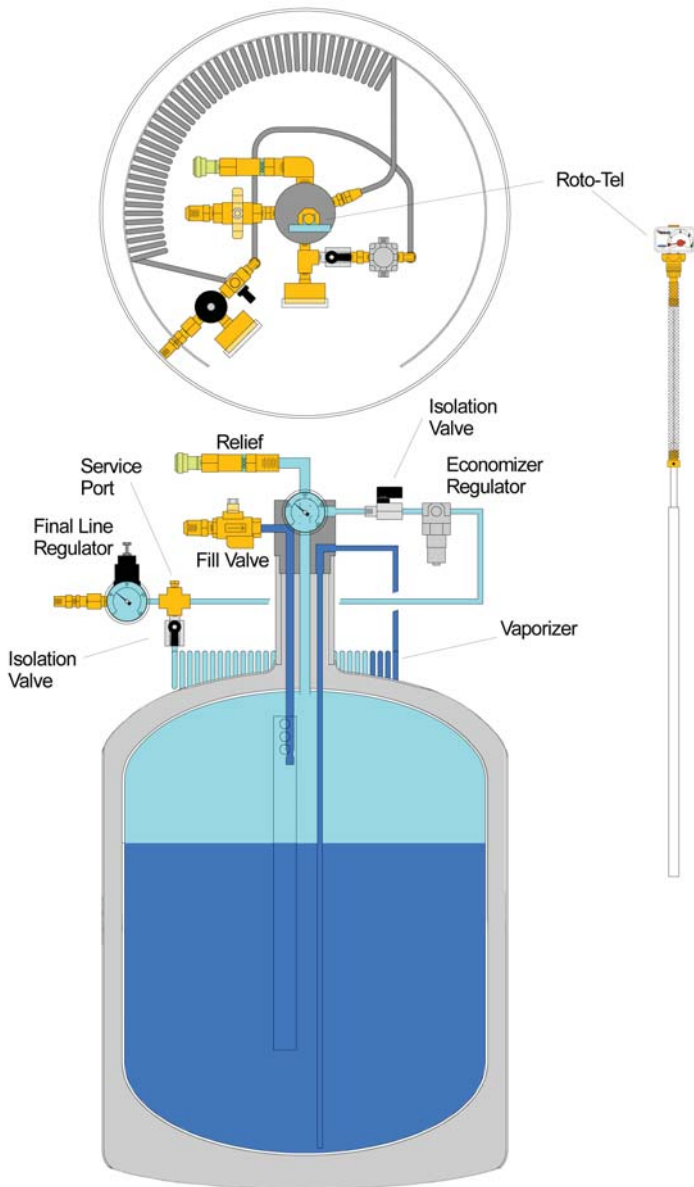
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Product Highlights:

- Compact package reduces floor requirements
- Built in stainless steel external vaporization coil
- SS handling ring protects plumbing from stacked goods
- Roto-Tel™ – New generation accurate liquid level gauge
- Economizer Regulator
- Final Line Regulator
- Standard Fill Valve
- Manifolder primary and secondary safety valves with single vent connection

SPECIFICATIONS

DIMENSIONS

Diameter	20 in	50.8 cm
Height	40 in	101.6 cm
Empty Weight	156 lb	71 kg
Full Weight	377 lb	171 kg

DESIGN CRITERIA

Code	PED*	
MAWP	300 psig	20.7 barg
Insulation Type	Super Insulation	

CAPACITY

Gross Volume	27.4 gal	103.7 ltr
Net Storage Volume	25.5 gal	96.5 ltr
Storage Capacity @ 200 psig	221 lb	100.2 kg

PERFORMANCE

Evaporation Rate §	1.0 lb/day	.45 kg/day
Gas Delivery @	1.0 lb/hr	.45 kg/hr
Peak Flow Rate ‡	1.5 lb/hr	.68 kg/hr

COMPONENTS

ASME Relief Valve Setting	300 psig	20.7 barg
Gas Use Connection	1/4 in x 45° Flare	
Fill Line Connection	5/8 in x 45° Flare	
Relief Valve Vent Connection	1/2 in OD Tubing	

CONSTRUCTION

Inner Vessel Material	Stainless Steel
Outer Vessel Material	Stainless Steel
Liquid Level Gauge	Roto-Tel™

* PED = Pressure Equipment Directive 97/23/ES

§ At 125 psig at room temperature, no loss in accounts at 1.0 lb (0,45 kg) /day minimum

@ 12 consecutive hours at room temperature

‡ 4 consecutive hours at room temperature



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