Carbo-Max® 1000

The Carbo-Max 1000 High Flow system is an innovative bulk CO₂ system that meets the demands of high volume customers. A first in the beverage market, the Carbo-Max 1000 High Flow system offers the capacity and flow rates necessary for high volume users such as: stadiums, brew pubs, cineplexes and microbreweries.

Tanks placed in corrosive environments should use Chart’s Pool Coat system to protect the stainless steel from damage. The coating is specifically designed for resistance to pool treatment chemicals, acids, chlorine and salt spray. The coating consists of a primer and powder coat system that will provide longer tank life in these aggressive environments. Uncoated stainless steel tanks should not be used in these applications.
Product Advantages:
- Internal vaporization coils with continuous flow rates up to 30 lbs/hr
- Internal pressure build coil
- 1000 lbs of CO₂ storage capacity
- Standard tank includes Sure-Fill system
- 30” diameter x 72” height allows tank to fit through standard doorways
- Pallet jack compatible base
- Differential Pressure liquid level gauge

SPECIFICATIONS

DIMENSIONS
- Diameter: 30 in (76.2 cm)
- Height: 72.5 in (184.2 cm)
- Empty Weight: 788 lb (357.4 kg)
- Full Weight: 1788 lb (811.0 kg)

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

CAPACITY
- Gross Volume: 128.2 gal (485.3 ltr)
- Net Storage Volume: 118 gal (446.6 ltr)
- Storage Capacity at 125 psig: 1000 lb (453.6 kg)

PERFORMANCE
- Evaporation Rate §: 3.0 lb/day (1.4 kg/day)
- CO₂ Gas Delivery (Continuous)@: 30.0 lb/hr (13.6 kg/hr)
- Peak flow rate@: 50.0 lb/hr (22.7 kg/hr)

COMPONENTS
- ASME Relief Valve Setting: 300 psig (20.7 bar)
- Secondary RV Setting: 450 psig (31.0 bar)
- Sure-Fill RV Setting: 200 psig (13.8 bar)
- Gas Use Connection: 1/4 in 45º Flare
- Fill Line Connection: 5/8 in Male 45º Flare
- Vent Connection: 1/2 in OD Tubing

CONSTRUCTION
- Inner Vessel Material: Stainless Steel
- Outer Vessel Material: Stainless Steel
- Vaporizer Coil: Stainless Steel
- Liquid Level Gauge°: Differential Pressure

* 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
° Float gauge available upon request
• Meets NSF International Standards

Your Local Representative

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