Carbo-Max® 750

The Carbo-Max 750 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 750 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:**
- Stainless steel, double-walled, vacuum-insulated container
- Proprietary vacuum regeneration system for on-site maintenance
- Optional patented Sure-Fill system enables tank filling with no manual venting
- Stable 6” uni-body legs meet health department sanitation requirements
- Safe, low operating pressure
- Easy-to-read gauges for CO₂ contents and tank pressure
- CO₂ liquid withdrawal system with built-in vaporization coil allows for higher maximum flow rates up to 40 lbs per hr

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### SPECIFICATIONS

**DIMENSIONS**
- Diameter: 26 in, 66 cm
- Height (with legs): 73.875 in, 187.6 cm
- Empty Weight: 430 lb, 195 kg
- Full Weight: 1219 lb, 552.9 kg

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

**CAPACITY**
- Gross Volume: 89.1 gal, 337.3 ltr
- Net Storage Volume: 82 gal, 311 ltr
- Storage Capacity at 125 psig: 789 lb, 357.9 kg

**PERFORMANCE**
- Evaporation Rate: 3.0 lb/day, 1.4 kg/day
- CO₂ Gas Delivery (Continuous): 15.0 lb/hr, 6.8 kg/hr
- Peak flow rate: 40.0 lb/hr, 18.1 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 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

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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
§ Can achieve flows up to 40 lb/hr, for 12 hours continuous use. At these higher flow rates, gas supply temperatures from the tank will be lower than freezing (32°F). Additional external vaporization should be added to achieve gas temperatures above freezing (32°F).
° Float gauge available upon request

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