McDonald’s Carbo-Max® 1000

The McDonald’s 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 McDonald’s Carbo-Max 1000 High Flow system offers the capacity and flow rates necessary for high volume users. This combines the proven technologies by having a pressure building circuit as well as the economizer circuit.

* 6” stainless steel leg base is an optional feature.
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
- Differential Pressure liquid level gauge
- Optional Bases Available:
  - Painted Steel Base
  - Pallet Jack Compatible Base
  - Stainless Steel 6" Legs

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 †

CAPACITY
- Gross Volume: 89.1 gal 337.4 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 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