

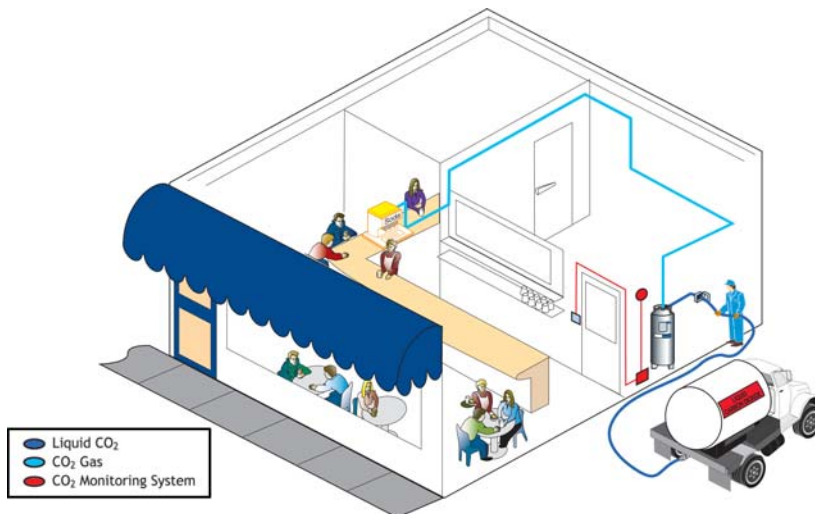
CARBO-MAX® 600 HIGH FLOW

HIGH CAPACITY – HIGH FLOW BULK CO₂

Bulk CO₂ Systems



•CINEPLEXES•SWIMMING POOLS•STADIUMS•MICROBREWRIES



Carbo-Max® 600

The Carbo-Max 600 High Flow system is a proven bulk CO₂ system that meets the demands of high volume customers. The Carbo-Max 600 system offers the high capacity direct gas vaporization system, found in the Carbo-Max 750 but in a smaller footprint. It is well suited for high volume users such as: stadiums, brew pubs, cineplexes, small microbreweries and high volume restaurants with peak surges.

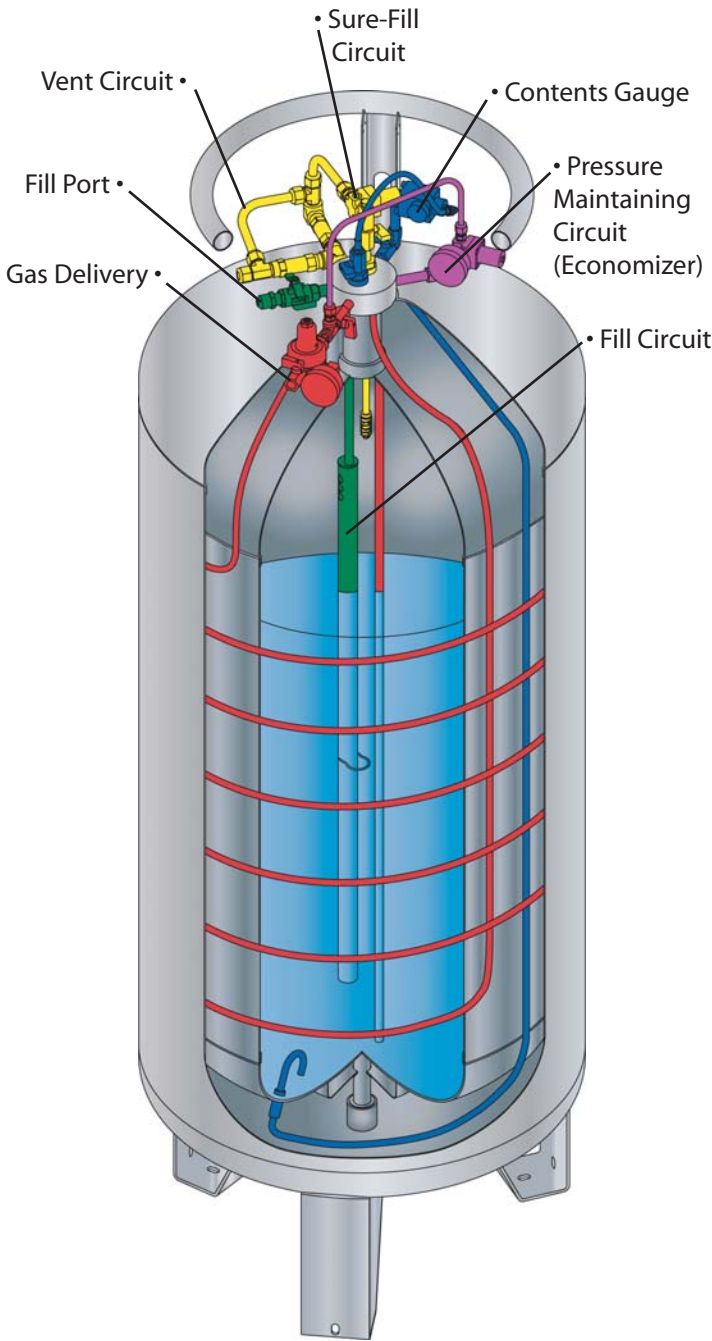
The Carbo-Max 600 system can also come with Chart's pool coat system for use in corrosive environments. The coating is specifically designed for resistance to pool treatment chemicals, and protects the stainless steel from acids, chlorine and salt spray. Uncoated stainless steel tanks should not be used in these applications.



Innovation. Experience. Performance.™

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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

SPECIFICATIONS

DIMENSIONS

Diameter	22 in	55.8 cm
Height (with legs) [‡]	75.938 in	192.9 cm
Empty Weight	323 lb	146 kg
Full Weight	936 lb	424.5 kg

DESIGN CRITERIA

Code	ASME*	
MAWP	300 psig	20.7 bar
Insulation Type	SI †	

CAPACITY

Gross Volume	70.2 gal	265.7 ltr
Net Storage Volume	65 gal	246 ltr
Storage Capacity at 125 psig	612 lb	277.6 kg

PERFORMANCE

Evaporation Rate §	3.0 lb/day	1.4 kg/day
CO ₂ 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 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
Vaporizer Coil	Stainless Steel
Liquid Level Gauge [°]	Differential Pressure

- [‡] 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

Your Local Representative



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