

# CARBO SERIES

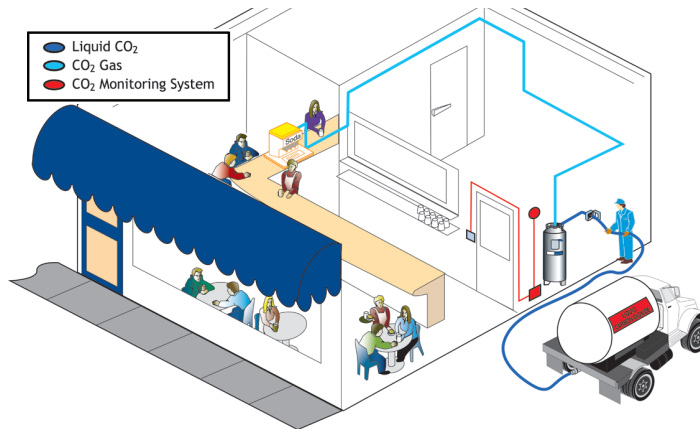
HIGH CAPACITY BULK CO<sub>2</sub> SYSTEMS



The Carbo Series bulk CO<sub>2</sub> systems are an affordable alternative to high-pressure cylinders. This system offers flow rates that meet the demands of high-volume applications.

Each Chart Carbo Series vessel is equipped with a proprietary vacuum maintenance system to ensure optimized long-term performance. Unique to the market, this feature offers greater efficiency over longer periods of time.

A unique feature of this vessel's construction is its liquid withdrawal port, making high flow liquid CO<sub>2</sub> readily available.



## PRODUCT ADVANTAGES

- Stainless steel, doublewalled, vacuum-insulated container
- Proprietary vacuum regeneration system for onsite 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 CO<sub>2</sub> contents and tank pressure
- Efficient gas withdrawal system supplies CO<sub>2</sub> gas up to 30 lbs per hour

Each Chart Bulk CO<sub>2</sub> cylinder (300-750) comes standard with a Rotarex C-Stic capacitance probe. This device is designed to accurately read the cylinder's liquid level, in % full, by measuring changes to the probe's electrical capacitance caused by the varying height of liquid CO<sub>2</sub> within the vessel.

- The C-Stic's accuracy is within +/- 1% (over full scale)
- Each C-Stic is pre-calibrated to accurately measure liquid level in its corresponding cylinder model.
- The display unit is powered by a common CR 2032 battery. The battery life is 3-5 years, depending on the number of times that the display is turned on.
- Any questions about the C-Stic should be directed to Chart Technical Service at 1-800-253-1769.
- For additional information, as well as FAQ's regarding the C-Stic, visit Rotarex's website at: [rotarexsr.com/product/dimes-c-stic-lite](http://rotarexsr.com/product/dimes-c-stic-lite)



Replacement Display  
P/N 21998777

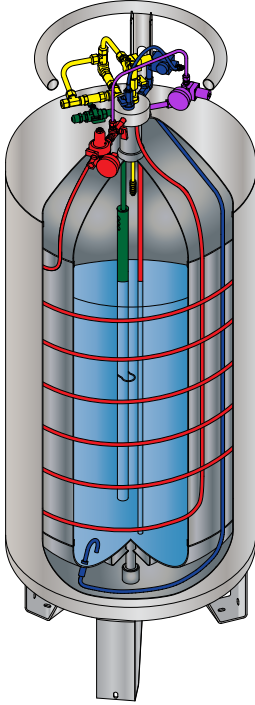


Cooler By Design®

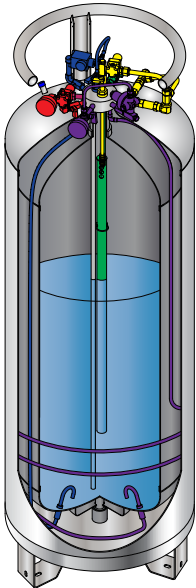
# CARBO SERIES

## HIGH CAPACITY BULK CO<sub>2</sub> SYSTEMS

### Carbo-Max®



### Carbo-Mizer®



MODEL	Specifications						
	Carbo-Mizer 300	Carbo-Mizer 450	Carbo-Mizer 550	Carbo-Mizer 750	Carbo-Max 600	Carbo-Max 750	Carbo-Max 1000
<b>Capacity (Liters)</b>							
Gross	129	196	244	327	258	327	458
Net	122	189	238	320	244	320	428
<b>Capacity (Gallons)</b>							
Gross	34.1	51.8	64.5	86.4	68.2	86.4	121
Net	32.2	49.9	62.9	84.5	64.5	84.5	113.1
<b>MAWP</b>							
psig	300	300	300	300	300	300	300/350
barg	20.7	20.7	20.7	20.7	20.7	20.7	20.7/24.1
<b>Pre-Set Operating Pressure (1)</b>							
psig	125	125	125	125	150	150	150
barg	8.6	8.6	8.6	8.6	10.3	10.3	10.3
<b>Design Specifications</b>							
DOT/ASME	ASME	ASME	ASME	ASME	ASME	ASME	ASME
<b>CO<sub>2</sub> Storage Capacity (2)</b>							
lbs	302	467	588	791	603	791	1058
kg	137	212	267	359	274	359	480
<b>Thermal Performance (NER) (3)</b>							
lbs/day	2.0	2.5	2.5	3.0	3.0	3.0	3.0
kg/day	0.9	1.1	1.1	1.4	1.4	1.4	1.4
<b>Continuous Gas Delivery Rate (4)</b>							
lbs/hr	1.0	5.5	6.5	10	15	15	30
kg/hr	0.5	2.5	2.9	4.5	6.8	6.8	13.6
16oz drinks/hr (6)	89	491	580	893	1339	1339	2679
<b>Peak Gas Delivery Rate (5)</b>							
lbs/hr	3.0	10	10	15	40	40	50
kg/hr	1.4	4.5	4.5	6.8	18.1	18.1	22.7
16oz drinks/hr (6)	268	893	893	1339	3571	3571	4464
<b>Dimensions</b>							
<b>Diameter</b>							
in	20	20	22	26	22	26	30
cm	51	51	56	66	56	66	76
<b>Height (7)</b>							
in	55.6	71.8	72.9	73.9	75.9	73.9	72.5
cm	141	182	185	188	193	188	184
<b>Tare Weight</b>							
lbs	216	273	318	430	323	430	788
kg	98	124	144	195	147	195	357

**Notes:**

- (1) Pressure Building regulator for Carbo-Mizer, Econo-mizer for Carbo-Max
- (2) Values are based on net capacity at 125 psig (8.6 barg)
- (3) No loss during normal use
- (4) Values are based on 12 consecutive hours of use @ room temperature
- (5) Values are based on 4 consecutive hours of use @ room temperature
- (6) Values are based on 1.12 lbs (0.508 kg) CO<sub>2</sub>/100 16oz drinks
- (7) Height is with legs. Without legs, subtract 6" (15 cm)

DOT- Department of Transportation, 4L Code  
ASME- American Society of Mechanical Engineers, Section VIII, Division 1