Choose your Bulk CO₂ Carbo Series Tank







Full Weight 377 lb (171 kg) 515 lb (233.6 kg) 750 lb (340.2 kg) Design criteria Code* ASME ASME ASME ASME MAWP 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Insulation Type † Sl Sl Sl Capacity Gross Volume 27.4 gal (103.7 ltr) 34.3 gal (129.8 ltr) 52 gal (196.8 ltr) Net Storage Volume 25.5 gal (96.5 ltr) 32 gal (121 ltr) 48 gal (182 ltr) Storage Capacity at 125 psig 221 lb (100.2 kg) 299 lb (135.6 kg) 477 lb (216.4 kg) Performance Evaporation Rate∆ 1.0 lb/br 1.0 lb/hr 5.5 lb/hr Peak Flow Rate \$ 1.5 lb/hr 3.0 lb/hr 10 lb/hr Components ASME Relief Valve Setting 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Secondary RV Setting N/A 450 psig (31 barg) 450 psig (31 barg) Same-Fill™ RV Setting 200 psig (13.8 barg)≈ N/A N/A N/A Gas Use Connection 1/4 in 45° Flare 1/4 in 45° Flare 5/8 in Male 45° Flare 5/8 i	SPECIFICATIONS	Carbo-Mite® 220	Carbo-Mizer® 300	Carbo-Mizer® 450
Height (with legs)§ 40 in (101.6 cm) (no legs) 55.625 in (141.28 cm) 71.875 in (163 cm) (no legs) 75.625 in (141.28 cm) 71.875 in (163 cm) (no legs) 75.625 in (141.28 cm) 71.875 in (163 cm) 75.875 in (1	Dimensions			
Height (with legs)§		20 in (50.8 cm)	20 in (50,8 cm)	20 in (50.8 cm)
Empty Weight 156 lb (71 kg) 216 lb (98 kg) 273 lb (123.8 kg) Full Weight 377 lb (171 kg) 515 lb (233.6 kg) 750 lb (340.2 kg) Design criteria Code ' ASME ASME ASME ASME ASME MAWP 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Insulation Type † SI SI SI Capacity Gross Volume 27.4 gal (103.7 ltr) 34.3 gal (129.8 ltr) 52 gal (196.8 ltr) Net Storage Volume 25.5 gal (96.5 ltr) 32 gal (121 ltr) 48 gal (182 ltr) Storage Capacity at 125 psig 221 lb (100.2 kg) 299 lb (135.6 kg) 477 lb (216.4 kg) Performance Evaporation Rate∆ 1.0 lb/day 2.0 lb/day 2.5 lb/day CO₂ Gas Delivery (Continuous)@ 1.0 lb/hr 1.0 lb/hr 5.5 lb/hr Peak Flow Rate \$ 1.5 lb/hr 3.0 lb/hr 10 lb/hr Components ASME ASME ASME ASME ASME ASME ASME ASME	Height (with legs)§			
Design criteria	Empty Weight		216 lb (98 kg)	273 lb (123 8 km)
Code * ASME ASME ASME MAWP 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Insulation Type † SI SI SI Capacity Gross Volume 27.4 gal (103.7 ltr) 34.3 gal (129.8 ltr) 52 gal (196.8 ltr) Net Storage Volume 25.5 gal (96.5 ltr) 32 gal (121 ltr) 48 gal (182 ltr) Storage Capacity at 125 psig 221 lb (100.2 kg) 299 lb (135.6 kg) 477 lb (216.4 kg) Performance Evaporation RateΔ 1.0 lb/day 2.0 lb/day 2.5 lb/day CO ₂ Gas Delivery (Continuous)@ 1.0 lb/hr 1.0 lb/hr 5.5 lb/hr Peak Flow Rate \$ 1.5 lb/hr 3.0 lb/hr 10 lb/hr Components ASME Relief Valve Setting 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Secondary RV Setting N/A 450 psig (31 barg) 450 psig (31 barg) Sure-Fill™RV Setting 200 psig (13.8 barg) ≈ N/A N/A N/A Sure-Fill Line Connection 5/8 in Male 45° Flare	Full Weight			
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Gross Volume 27.4 gal (103.7 ltr) 34.3 gal (129.8 ltr) 52 gal (196.8 ltr) Net Storage Volume 25.5 gal (96.5 ltr) 32 gal (121 ltr) 48 gal (182 ltr) Storage Capacity at 125 psig 221 lb (100.2 kg) 299 lb (135.6 kg) 477 lb (216.4 kg) Performance Evaporation RateΔ 1.0 lb/day 2.0 lb/day 2.5 lb/day CO₂ Gas Delivery (Continuous)@ 1.0 lb/hr 1.0 lb/hr 5.5 lb/hr Peak Flow Rate \$ 1.5 lb/hr 3.0 lb/hr 10 lb/hr Components ASME Relief Valve Setting 300 psig (20.7 barg) 300 psig (20.7 barg) 300 psig (20.7 barg) Succondary RV Setting N/A 450 psig (31 barg) 450 psig (31 barg) Sure-Fill™ RV Setting 200 psig (13.8 barg) ≈ N/A N/A N/A Gas Use Connection 1/4 in 45° Flare 1/4 in 45° Flare 5/8 in Male 45° Flare 5/8 in Male 45° Flare Vent Connection 5/8 in Male 45° Flare Vent Connection 1/2 in OD Tubing 1/2 in OD Tubing <td< td=""><td>Insulation Type †</td><td></td><td></td><td></td></td<>	Insulation Type †			
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Peak Flow Rate \$ 1.5 lb/hr 3.0 lb/hr 10 lb/hr Components ASME Relief Valve Setting 300 psig (20.7 barg) 300 psig (20.7 barg) Secondary RV Setting N/A 450 psig (31 barg) 450 psig (31 barg) Sure-Fill™ RV Setting 200 psig (13.8 barg) ≈ N/A N/A N/A Gas Use Connection 1/4 in 45° Flare 1/4 in 45° Flare 1/4 in 45° Flare 1/4 in 45° Flare 5/8 in Male 45° Flare 5/8 in	CO₂ Gas Delivery (Continuous)@			
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Sure-Fill™ RV Setting 200 psig (13.8 barg) ≈ N/A N/A Gas Use Connection 1/4 in 45° Flare 1/4 in 45° Flare 1/4 in 45° Flare Fill Line Connection 5/8 in Male 45° Flare 5/8 in Male 45° Flare 5/8 in Male 45° Flare Vent Connection 1/2 in OD Tubing 1/2 in OD Tubing 1/2 in OD Tubing Construction nner Vessel Material Stainless Steel Stainless Steel Stainless Steel Outer Vessel Material Stainless Steel Stainless Steel Stainless Steel Vaporizer Coil N/A N/A N/A				
Gas Use Connection 1/4 in 45° Flare 1/4 in 45° Flare 1/4 in 45° Flare 5/8 in Male 45° Fl	Sure-Fill™ RV Setting	200 psig (13.8 barg) ≈		
Fill Line Connection 5/8 in Male 45° Flare 5			1/4 in 45° Flare	7.07.1
Vent Connection 1/2 in OD Tubing 1/2 in OD Tubing 1/2 in OD Tubing Construction nner Vessel Material Stainless Steel Stainless Steel Stainless Steel Outer Vessel Material Stainless Steel Stainless Steel Stainless Steel Vaporizer Coil N/A N/A N/A	***************************************	5/8 in Male 45° Flare		
Inner Vessel Material Stainless Steel Stainless Steel Stainless Steel Outer Vessel Material Stainless Steel Stainless Steel Stainless Steel Vaporizer Coil N/A N/A N/A	Vent Connection	1/2 in OD Tubing	1/2 in OD Tubing	
Outer Vessel Material Stainless Steel Stainless Steel Stainless Steel Stainless Steel N/A N/A N/A				
Outer Vessel Material Stainless Steel Stainless Steel Stainless Steel Vaporizer Coil N/A N/A N/A	Inner Vessel Material	Stainless Steel	Stainless Steel	Stainless Steel
Vaporizer Coil N/A N/A N/A				
invid Lavel Causes		N/A		
	Liquid Level Gauge°	Roto-Tel™ **/Diff. Press.	Differential Pressure	Differential Pressure

[§] Height without legs, subtract 6 in, * ASME Boiler and Pressure Vessel Design Section VIII, Div. 1, † Super Insulation/High Vacuum, \$ 4 consecutive hours at room temperature, Δ No loss in normal applications, ° Float gauge available upon request, ** Telemetry Ready







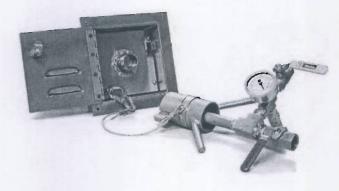


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Carbo-Mizer® 550	Carbo-Mizer® 750	Carbo-Max® 750 HF	Carbo-Max® 1000 Hi
22 in (EE 2 cm)	20: /00		
22 in (55.8 cm) 72.9 in (185.1 cm)	26 in (66 cm)	26 in (66 cm)	30 in (76.2 cm)
	73.875 in (187.6 cm)	73.875 in (187,6 cm)	72.5 in (184.2 cm) (no legs)
318 lb (144.3 kg)	430 lb (195 kg)	430 lb (195 kg)	788 lb (357.4 kg)
902 lb (409.1 kg)	1219 lb (552.9 kg)	1219 lb (552.9 kg)	1788 lb (811 kg)
ASME	ASME	ASME	ACAAF
300 psig (20.7 barg)	300 psig (20.7 barg)	300 psig (20.7 barg)	ASME
SI	SI	SI	300 psig (20.7 barg) SI
		No. 1	OI .
65.1 gal (246.4 ltr)	89.1 gal (337.3 ltr)	89.1 gal (337.3 ltr)	128.2 gal (485.3 ltr)
62 gal (235 ltr)	82 gal (311 ltr)	82 gal (311 ltr)	118 gal (446.6 ltr)
584 lb (264.9 kg)	789 lb (357.9 kg)	789 lb (357.9 kg)	1000 lb (453.6 kg)
2.5 lb/day	3.0 lb/day	3.0 lb/day	3.0 lb/day
6.5 lb/hr	10 lb/hr	15 lb/hr	30 lb/hr
10 lb/hr	15 lb/hr	40 lb/hr @ ^	50 lb/hr @
300 psig (20.7 barg)	300 psig (20.7 barg)	300 psig (20.7 barg)	200:- /00 7 !
450 psig (31 barg)	450 psig (31 barg)	450 psig (20.7 barg)	300 psig (20.7 barg)
V/A	200 psig (13.8 barg) ≈	200 psig (31 barg) ≈	450 psig (31 barg)
1/4 in 45° Flare	1/4 in 45° Flare	1/4 in 45° Flare	200 psig (13.8 barg) 1/4 in 45° Flare
5/8 in Male 45° Flare	5/8 in Male 45° Flare	5/8 in Male 45° Flare	5/8 in Male 45° Flare
1/2 in OD Tubing	1/2 in OD Tubing	1/2 in OD Tubing	1/2 in OD Tubing
Stainless Steel	Stainless Steel	Ctol-do- Ot- d	
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
V/A	Stainless Steel	Stainless Steel Stainless Steel	Stainless Steel #
Differential Pressure	Differential Pressure		Stainless Steel
	Differential Fressure	Differential Pressure	Differential Pressure

^{@ 12} consecutive hours at room temperature, ^ 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). ≈ Option.

Bulk CO₂ Accessories

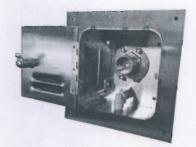
Supplement your Carbo Series bulk CO_2 system with our bulk CO_2 accessories. These liquid CO_2 filling options and accessories ensure a convenient, secure delivery.



Fill Gu

Chart Beverage Systems' fill gun is constructed with integral components allowing complete control of the fill process without leaving the fill point.

- Positive seal fill fitting cuts waste from lost CO₂ during filling process
- Winged sleeve construction makes gun easy to grip
- Integral wrench feature enables tightening without tools
- Maintain control of CO₂ and vent flow with fill and vent ball valves
- ▶ Pressure vent valve relieves potential excess line pressure



Flush Mount Fill Box

The stainless steel flush mount fill box mounts directly to the outside wall of your facility to be flush with the building. Features include:

- Complete with quick-disconnect male fill connection and vent hose connection
- Locking door with keys
- Box size is 6 in, x 6 in.



Surface Mount Fill Box

The stainless steel surface mount fill box can be placed directly on the outside wall of your facility with four mounting screws. Features include:

- Complete with quick-disconnect male fill connection and vent hose connection
- Locking door with keys
- Box size is 6 in. x 6 in. and 2-1/4 in. deep



CO, Fill Hose with Vent Hose

Chart Beverage Systems' fill hose transports liquid CO₂ between the fill box and a Carbo Series vessel. Highly durable, this hose has a maximum working pressure of 2,000 psi. Other features include:

- Minimum bend radius of 3 inches (7.62 cm)
- Minimum burst pressure of 8,000 psi
- Inert in CO, environment

Vent hose connects vessel safety devices for safe outdoor venting.