

Carbon Dioxide

Description

Synonym: Carbonic Anhydride, Carbonic Acid Gas
 Formula: CO₂

Gas Data

Molecular Weight: 44.01
 Density: 1.833 kg/m³ @ 21.1°C, 101.325 kPa
 0.1144 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.5456 m³/kg @ 21.1°C, 101.325 kPa
 8.741 ft³/lb @ 70°F, 14.696 psia

Safety Information

Permissible Exposure
 Limit (TLV): 5000 ppm

Shipping Information

CAS Registry Number: 124-38-9
 UN Number: UN 1013
 ECCN Number: 1C980
 DOT Proper Shipping Name: Carbon Dioxide
 DOT Classification: 2.2 (Non Flammable Gas)
 DOT Label: NON-FLAMMABLE GAS
 TC Shipping Name: Carbon Dioxide
 TC Classification: 2.2
 TC Label: NON-FLAMMABLE GAS,
 NON-POISONOUS GAS

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
75#	75 lb	17.21 kg	320
65#	65 lb	14.91 kg	320
50#	50 lb	11.47 kg	320
20#	25 lb	5.74 kg	320
15#	15 lb	3.44 kg	320
10#	10 lb	2.29 kg	320
5#	5 lb	1.15 kg	320
2-1/2#	2.5 lb	0.57 kg	320

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.

Carbon Dioxide *(continued)*

Liquid Containers

Liters	Base Type	Content		Relief Valve Setting
		US	Metric	
160	Footring Base	3,300 ft ³	85 m ³	350 psi
180	Footring Base	3,700 ft ³	95 m ³	350 psi
200	Footring Base	4,000 ft ³	105 m ³	350 psi
265	Caster Base	5,300 ft ³	135 m ³	350 psi
80	Footring Base	1,600 ft ³	40 m ³	350 psi
180	Footring Base	3,700 ft ³	95 m ³	350 psi
200	Footring Base	3,500 ft ³	90 m ³	500 psi
450	Footring Base	7,900 ft ³	205 m ³	500 psi
450	Pallet Base	8,600 ft ³	225 m ³	350 psi
600	Pallet Base	12,100 ft ³	320 m ³	350 psi
800	Pallet Base	16,200 ft ³	425 m ³	350 psi
1,000	Pallet Base	18,500 ft ³	485 m ³	350 psi

Note: *Caster base liquids can be purchased with round base or square base*