



# CARBON DIOXIDE (CO2) CGA-320

A colorless, odorless, nonflammable liquefied gas

**Toxicity:** Simple asphyxiate. Contact with liquid may cause frostbite.

**TWA:** 5,000 ppm (ACGIH)

**Compatible Material:** Noncorrosive; common structural materials can be used. If moisture is present, materials must resist carbonic acid.

**Molecular Weight:** 44.01

**Specific Volume at 70°F and 1 atm:** 8.74 ft<sup>3</sup>/lb

**DOT Hazard Class:** Nonflammable Gas (2.2)

**DOT Label:** Nonflammable Gas

**DOT ID No.:** UN 1013

**CAS No.:** 124-38-9

\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.

## CARBON DIOXIDE, Research Grade 4.5 (Liquid Phase) Minimum Purity 99.998%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02148012S	7 lbs.	830 P.S.I.	O <sub>2</sub> < 2 N <sub>2</sub> < 8
050	02148050S	60 lbs.	830 P.S.I.	THC < 1 CO < 1 H <sub>2</sub> O < 1

## CARBON DIOXIDE, SFC Grade 4.8 Minimum Purity 99.998%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02142025S	7 Pounds	830 P.S.I.	O <sub>2</sub> + Ar < 2 H <sub>2</sub> O < 2
050	02142050S	50 Pounds	830 P.S.I.	CO < 2 H <sub>2</sub> < 2

- Notes:** 1. Equipped with full length educator tube for liquid withdrawal  
 2. Can be pressurized with 1,000 psig Helium on request

## CARBON DIOXIDE, Coleman Grade 4.0 (Instrument Grade) Minimum Purity 99.99%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02142025S	7 Pounds	830 P.S.I.	O <sub>2</sub> < 20 H <sub>2</sub> O < 10
050	02142050S	50 Pounds	830 P.S.I.	THC < 20

(Liquid Phase)



**CARBON DIOXIDE, Anaerobic Grade 4.0 ( Liquid Phase)**

**Minimum Purity 99.9%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
050	02141050S	50 Pounds	830 P.S.I.	O <sub>2</sub> < 10

**CARBON DIOXIDE CONTINUED**

**CARBON DIOXIDE, Medical Grade 2.5**

**Minimum Purity 99.5%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
012	01070012M	4 Pounds	830 P.S.I.	H <sub>2</sub> S < 10 NH <sub>3</sub> < 25
025	01070025M	7 Pounds	830 P.S.I.	CO < 10 NO < 1
020	01070020M	20 Pounds	830 P.S.I.	NO <sub>2</sub> < 1 SO <sub>2</sub> < 5
030	01070030M	30 Pounds	830 P.S.I.	H <sub>2</sub> O < 7.5mg/150L
050	01070050M	50 Pounds	830 P.S.I.	
384**	01070384M	384 Pounds	300 P.S.I.	**Liquid Container

**Batch Analyzed Meets U. S. P. Standards**

**CARBON DIOXIDE, Standard Grade 2.5**

**Minimum Purity 99.5%**

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
002	01070002S	2 Pounds	830 P.S.I.	H <sub>2</sub> O < 120
005	01070005S	5 Pounds	830 P.S.I.	
010	01070010S	10 Pounds	830 P.S.I.	
015	01070015S	15 Pounds	830 P.S.I.	
020	01070020S	20 Pounds	830 P.S.I.	
050*	01070050S	50 Pounds	830 P.S.I.	
075	01070075S	75 Pounds	830 P.S.I.	*Syphon Available
384**	01070384L	384 Pounds	300 P.S.I.	**Liquid Container

**CARBON DIOXIDE BRASS- REGULATOR**

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05390017C	Western	SG-SH SHSS	0-45, 0-80, 0-150	Single Stage
05390148C	Western	LM-LMSS	0-45, 0-100, 0-150	Dual Stage High Purity