



Product Specification

CARBON DIOXIDE (CO₂)

General Characteristics: A colorless, non-flammable, liquefied and odorless gas.

Health Hazards: In high concentrations can paralyze the respiratory center.

Gas Grade/Purity	Cylinder Size	Contents	Product Code
Supercritical Min. Purity: 99.9995% Specifically manufactured for supercritical fluid chromatography or supercritical fluid extraction	44 L	24 kg	CO25N5R
	10 L	6.4 kg	CO25N5G
	LB	227 g	CO25N5LB
Instrumental Min. Purity: 99.99% H ₂ O < 10 ppm O ₂ < 20 ppm N ₂ < 75 ppm	44 L	24 kg	CO24NR
	10 L	6.4 kg	CO24NG
	LB	227 g	CO24NLB
High Purity Min. Purity: 99.9% H ₂ O < 10 ppm Oil < 5 ppm CO < 1 ppm	44 L	24 kg	CO23NR
	10 L	6.4 kg	CO23NG
	LB	227 g	CO23NLB
F & B Min. Purity: 99.9% H ₂ O < 100 ppm	44 L	24 kg	CO23NFBR
	10 L	6.4 kg	CO23NFBG
	LB	227 g	CO23NFBLB
Industrial Min. Purity: 99.5% H ₂ O < 100 ppm O ₂ < 100 ppm	44 L	24 kg	CO22N5R
	10 L	6.4 kg	CO22N5G
	LB	227 g	CO2N5LB

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
44 L	23 cm x 130 cm approx.	BS 341 No.8	Net content : 24 kg Pressure@70°F: 830 psig
10 L	18 cm x 60 cm approx.	BS 341 No.8	Net content : 6.4 kg Pressure@70°F: 830 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 227 g Pressure@70°F: 830 psig

Technical Information



Molecular Weight	44.01	Dot Name	Carbon Dioxide
Specific Volume	8.74CF/lb	UN No.	UN1013
Fire Potential.....	Non-flammable	Dot Class	2.2
TLV-TWA	5000 ppm (ACGIH 1991-1992)	Dot Label.....	Non-flammable Gas
CGA Valve	320	Cas Registry	124-38-9
LB	180	Cylinder Pressure @ 70°F	830 psig