

A colorless, odorless, nonflammable slightly acidic gas.

Carbon Dioxide

Technical Information:	
Chemical Symbol:	CO ₂
Molecular Weight:	44.04
Specific Volume	8.76 ft ³ /lb (0.55 m ³ /kg)
CAS Registry Number:	124-38-9

Shipping Information:	
DOT Proper Name:	Carbon Dioxide
Hazard Class:	2.2
I.D. Number:	UN 1013
Labels:	Nonflammable Gas

Grade	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 5.0 (Research)	99.999%	Oxygen Nitrogen Carbon Monoxide Methane Moisture Carbon Dioxide	< 1 ppm < 1 ppm < 0.1 ppm < 0.5 ppm < 2 ppm 99.999%	Regulator with brass bar stock body, SS diaphragm
PurityPlus 4.8 (Scientific)	99.998%	Argon + Oxygen Moisture Carbon Monoxide THC (as methane) Carbon Dioxide	< 2 ppm < 3 ppm < 1 ppm < 2 ppm 99.998%	Regulator with brass bar stock body, SS diaphragm
PurityPlus Laser 4.5	99.995%	Moisture Oxygen Total Hydrocarbons Carbon Dioxide	< 5 ppm < 5 ppm < 1 ppm 99.995%	Regulator with forged brass body, SS diaphragm
PurityPlus Coleman 4.0 (Instrument)	99.99%	Moisture Oxygen Nitrogen Carbon Dioxide	< 10 ppm < 20 ppm < 50 ppm 99.99%	Regulator with forged brass body, SS diaphragm
PurityPlus 3.0 Refrigerant R-744	99.9% wt.	Moisture	< 10 ppm wt.	Regulator with forged brass body, SS diaphragm
PurityPlus Anaerobic 3.0	99.9%	Oxygen Carbon Dioxide	< 20 ppm 99.9%	Regulator with forged brass body, SS diaphragm
PurityPlus 2.8 (Bone Dry)	99.8%	Moisture Carbon Dioxide	< 20 ppm 99.8%	Regulator with forged brass body, SS diaphragm

See page 4.1 for PurityPlus Co-Branded Equipment Catalog.

Standard Cylinder Sizes *	Contents lb	Cylinder Pressure PSIG	CGA Valve Connection
200	50	838	320
80	20	838	320

*Nonstandard cylinder sizes available upon request