

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	Part No.	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 5.0 (Research)	CDI-50-XX	99.999%	Oxygen Nitrogen Carbon Monoxide Hydrogen Methane Water	< 1 ppm < 1 ppm < 0.1 ppm < 1 ppm < 0.5 ppm < 2 ppm	300 series brass regulator see page 4.12
PurityPlus 4.8 (Scientific)	CDI-48-XX	99.998	Argon + Oxygen Water Carbon Monoxide Nitrogen THC (as methane)	< 2 ppm < 3 ppm < 1 ppm < 8 ppm < 2 ppm	300 series brass regulator see page 4.12
PurityPlus Laser 4.5	CDI-45-XX	99.995%	Moisture Oxygen Total Hydrocarbons	< 5 ppm < 5 ppm < 1 ppm	400 series stainless steel regulator see page 4.18
PurityPlus Coleman 4.0 (Instrument)	CDI-40-XX	99.99%	Moisture Oxygen Nitrogen	< 10 ppm < 20 ppm < 50 ppm	300 series brass regulator see page 4.12
PurityPlus Anaerobic 3.0	CDI-30-XX	99.9%	Oxygen	< 20 ppm	200 series brass regulator see page 4.8
PurityPlus 2.8 (Bone Dry)	CDI-28-XX	99.8%	Moisture	< 20 ppm	200 series brass regulator see page 4.8

XX - Complete the part number with the desired cylinder size listed below. (ie. CDI-45-200)

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