

Carbon Dioxide CO_2

Technical Data		Safety Data		Shipping Data	
Molecular Weight	44.01	Flammable Limits	Nonflammable	DOT Name	Carbon Dioxide
Boiling Point	- 109.3° F	Toxicity	TLV 5000 ppm	Hazard Class	2.2
Specific Volume	8.74 cf/lb	Compatibility	Moisture promotes corrosion	ID No.	UN1013
Critical Temperature	87.8° F			DOT Label	Nonflammable Gas
Critical Pressure	1071 psia			CAS. No.	124-38-9

Research

Specifications: Min. purity 99.999%
 CO < 1 ppm THC < 0.5 ppm
 N₂ < 8 ppm H₂O < 2 ppm
 O₂ < 2 ppm

Product Code	Cylinder Size	Contents lbs.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
AC691	KAL	35	838	320	Single-stage	Model 600	121

High Purity

Specifications: Min. purity 99.995% Ideal for laser applications
 THC < 2 ppm O₂ < 5 ppm
 H₂O < 5 ppm

Product Code	Cylinder Size	Contents lbs.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
LW640	K	50	838	320	Single-stage	Model 600	121
LW643	LB	0.5	838	180	Lecture Bottle	Model 400	133
EX060	ExCaliber™	1	838	180	ExCaliber™ Support Equipment		103

Anaerobic

Specifications: Min. purity 99.99%
 O₂ < 10 ppm

Product Code	Cylinder Size	Contents lbs.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
LW616	K*	50	838	320	Single-stage	Model 600	121
LW620	20#	20	838	320			

*Available with eductor tube upon request. (LW624).

Gas Heaters Series 6284 and 1000, pages 192 and 193. Heaters are recommended when high flow rates of CO₂ are required.

