

Carbon Monoxide (CO)

A flammable, odorless, colorless, and toxic gas.

Grade	% Purity	O ₂	H ₂ O	CO ₂	THC	H ₂	N ₂	Fe (CO) ₅	Ni (CO) ₄	Sulfurs
Research Plus	99.999	2	2	2	2	1	5			
Semiconductor ^(#)	99.997	3	1	3	1	1	10	0.1 ppmw	0.1 ppmw	0.5
Research	99.99	5	3		5	1	40			
UHP**	99.9									
Chemically Pure (CP)	99.3									

Concentrations given are ppm by volume unless otherwise specified.

Notes

^(#)Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

**Total Impurities ≤ 1000 ppm

PRODUCT	Ordering Information					Equipment Recommendations				
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number		
Research Plus	300A	230	350	CM RP3HA	2,000	Two-Stage Regulators Y12-N245 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N245 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E21 E12 E20 E11		
	150A	140	350	CM RP15A	2,000					
80A	75	350	CM RP80A	2,000						
Certificate of Analysis included.										
Semiconductor	300A	230	350	CM SM3HA	2,000					
	150A	140	350	CM SM15A	2,000					
Individual or Batch Certificate of Analysis available upon request.										
Research	300	240	350	CM R300	2,000					
	200	180	350	CM R200	1,675					
	150A	140	350	CM R15A	2,000					
	80	70	350	CM R80	1,675					
Certificate of Analysis included.										
Ultra High Purity (UHP)	300	240	350	CM UHP300	2,000					
	200	180	350	CM UHP200	1,675					
	150A	140	350	CM UHP15A	2,000					
	80	70	350	CM UHP80	1,675					
Individual or Batch Certificate of Analysis available upon request.										
Chemically Pure (CP)	300	240	350	CM CP300	2,000					
	200	180	350	CM CP200	1,675					
	150A	140	350	CM CP15A	2,000					
	80	70	350	CM CP80	1,675					
Individual or Batch Certificate of Analysis available upon request.										
Industrial	300	240	350	CM 300	2,000					
	200	180	350	CM 200	1,675					
Individual or Batch Certificate of Analysis available upon request.										
						* Insert Delivery Pressure Range Code				
						** Single Stage Only				

Technical Data & Shipping Information

Molecular Weight	28.010
Specific Volume	13.81 cf/lb @70° F & 1 ATM
Flammability Limits in Air	12.5 - 74% in Air
U.S. DOT Name	Carbon Monoxide
ID Number	UN 1016
U.S. DOT Hazard Class	2.3
U.S. DOT Label	Inhalation Hazard & Flammable Gas
CAS Registry	630-08-0