

Carbon Monoxide



Transportation Information



UN Number: 1016

Shipping Name	Carbon Monoxide, Compressed	Carbon Monoxide, Compressed	Carbon Monoxide, Compressed
Hazard Class	2.3 (2.1)	2.3 (2.1)	2.3
Label	Toxic Gas Flammable Gas	Toxic Gas Flammable Gas	Toxic Gas Flammable Gas

(M)SDS Reference

P-4576

CAS Number

630 - 08 - 0

General Description

Colorless, odorless, toxic, flammable gas.

Product/Grade	Purity	Part Number	Cylinder	N ₂	O ₂	H ₂ O	CO ₂	THC ⁽¹⁾	H ₂	Iron Pentacarbonyl
Semiconductor, 5.0	99.999%	CO 5.0SP	AT	10	0.5	1	3	0.5	-	-
Research, 4.8	99.998%	CO 4.8RS	T, K, Q	20	10	5	20	5	1	0.5
Ultra High Pure, 3.0	99.9%	CO 3.0UH	T, K, Q	200	10	10	50	10	-	-
High Purity, 2.5	99.5%	CO 2.5	T, K, Q	4500	100	20	50	-	-	-
Chemically Pure (CP), 1.85	98.5%	CO 1.85	T, K, Q	-	-	20	50	-	-	-

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

⁽¹⁾ As Methane CH₄

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume ft ³ (m ³)	Gross Weight lb (kg)
T	High Pressure Steel	55 x 9.3 (139.7 x 23.5)	350/724	2000 (138)	244 (6.77)	160 (73)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	350/724	1660 (114)	181 (5.02)	145 (66)
Q	High Pressure Steel	31 x 7 (78.7 x 17.8)	350	1660 (114)	61 (1.69)	69 (36)
AT	High Pressure Aluminum	54 x 10 (137.2 x 25.4)	350/724	2200 (154)	254 (7.19)	112 (51)

Equipment Recommendations

Semiconductor, 4.8	Gas cabinets
Research, 4.8	Gas cabinets, valve panels
Ultra High Pure, 3.0	4000 series regulator
High Purity, 2.5	3000 series regulator
Chemically Pure (CP), 1.85	2000 series regulator



Five Valve Control Panel
(see page E•299)