

Halocarbon-C318

(Octafluorocyclobutane)



Transportation Information

UN Number: 1976



Shipping Name	Octafluoro-cyclobutane	Octafluoro-cyclobutane	Octafluoro-cyclobutane
Hazard Class	2.2	2.2	2.2
Label	Nonflammable Gas	Nonflammable Gas	Nonflammable Gas

(M)SDS Reference

P-4671

CAS Number

115 - 25 - 3

General Description

Colorless, nonflammable, liquefied gas.

Product/Grade	Purity	Part Number	Cylinder	N ₂	O ₂	H ₂ O	Other Halocarbons	Acidity (HF)
Semiconductor, 5.0	99.999%	HA C3185.0SP	K, G, HT	3	1	1 ppm/wt	4	0.1 ppm/wt
Semiconductor, 4.5	99.995%	HA C3184.5SP	K, G, HT	18	4	10	20	0.1 ppm/wt
Semiconductor, 3.8	99.98%	HA C3183.8SP	K, G, HT	80	20	50	50	0.3 ppm/wt
Semiconductor, 3.0	99.9%	HA C3183.0SP	K, G, HT	240	60	10	1000	-

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

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	660/716	25.1 (1.70)	100 (45)	233 (106)
G	High Pressure Steel	31 x 7 (78.7 x 17.8)	660/716	25.1 (1.70)	10 (4.5)	39 (18)
HT	Low Pressure Steel	55 x 29.8 (139.7 x 75.6)	660	25.1 (1.70)	1200 (545.5)	1515 (688.6)

Equipment Recommendations

Semiconductor, 5.0	Valve panels, 4000 and 3000 series regulators
Semiconductor, 4.5	Valve panels, 4000 and 3000 series regulators
Semiconductor, 3.8	Valve panels, 4000 and 3000 series regulators
Semiconductor, 3.0	Valve panels, 4000 and 3000 series regulators



3002 Series – High Purity Regulators for Non-Corrosive Service (see page E•251)



See Section D for additional information on Praxair's Semiconductor product line (pages D•143 - D•148).

See Section E for our full line of gas handling equipment and delivery systems.