

Halocarbon C318 C₄F₈

Synonym: Octafluorocyclobutane

Physical Constants of Gas

Molecular Weight 200.03
 Vapor Pressure 39.7 psia at 70°F
 Specific Volume 1.85 CF/lb. (0.05 m³/kg)
 Boiling Point 21.5°F (-5.8°C) 1 atm
 Gas Density 70°F 1 atm 8.82 kg/m³

Cylinder Data

CGA Valve Outlet 660, 716

Shipping Data

Shipping Class 70
 DOT/TC Name Octafluorocyclobutane
 DOT Class 2.2 (Nonflammable Gas)
 TC Class 2.2 (Nontoxic, Nonflammable Gas)
 WHMIS Class A
 DOT Label Nonflammable Gas
 CAS Registry No. 115-25-3
 UN No./ATA No. UN1976

Safety Information

Can cause rapid suffocation.
 May cause frostbite.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
Electronic Grade 3 CO < 1 ppm CO ₂ < 1 ppm H ₂ O < 1 ppm wt N ₂ < 3 ppm O ₂ < 1 ppm Other Halocarbons < 10 ppm	99.999%	44	44	20	25	2	179	81	Two-Stage Regulator Q1-14C-(*)	275
									Single-Stage Regulator Q1-213B-(*)	271
Electronic Grade 2 H ₂ O < 5 ppm wt N ₂ < 10 ppm O ₂ < 5 ppm Other Halocarbons < 80 ppm	99.997%	44	44	20	25	2	179	81	Two-Stage Regulator Q1-14C-(*)	275
		16	22	10	25	2	97	44	Single-Stage Regulator Q1-213B-(*)	271
Electronic Grade 1 H ₂ O < 10 ppm wt N ₂ + O ₂ + CO ₂ < 300 ppm Other Halocarbons < 1000 ppm	99.9%	44	44	20	25	2	179	81	Two-Stage Regulator Q1-14C-(*)	275
		16	22	10	25	2	97	44	Single-Stage Regulator Q1-213B-(*)	271

* Specify CGA. Other cylinder connections are also available – please contact your Air Liquide representative.

Need advice on SCOTT™ equipment to safely deliver gas to your point-of-use? Call our Solutions Center at 800.217.2688.