

Halocarbon 218 C₃F₈

Synonym: Perfluoropropane, Octafluoropropane, R218

Physical Constants of Gas

Molecular Weight 188.02
 Vapor Pressure 114.7 psia at 70°F
 Specific Volume 2.02 CF/lb. (0.06 m³/kg)
 Boiling Point -34.1°F (-36.7°C) 1 atm
 Gas Density 70°F 1 atm 8 kg/m³

Cylinder Data

CGA Valve Outlet 660, 716

Shipping Data

Shipping Class 70
 DOT/TC Name Octafluoropropane
 DOT Class 2.2 (Nonflammable Gas)
 TC Class 2.2 (Nontoxic, Nonflammable Gas)
 WHMIS Class A
 DOT Label Nonflammable Gas
 CAS Registry No. 76-19-7
 UN No./ATA No. UN2424

Specifications								Recommended Equipment		
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
Electronic Grade 1	99.96%	44	100	45	100	7	239	105	Two-Stage Regulator Q1-14C-(***) Single-Stage Regulator Q1-213B-(***)	275
H ₂ O < 10 ppm wt N ₂ + O ₂ < 400 ppm Acidity < 0.1 ppm wt** Other Organics < 400 ppm*		16	30	14	100	7	97	44		

* Batch analysis only.

** as HF.

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

We stock SCOTT™ regulators, manifolds, flowmeters, point-of-use panels, cabinets, valves and related equipment.