

Halocarbon-218 (C₃F₈)

(Perfluoropropane, Octafluoropropane)

A colorless, nonflammable liquefied gas with a faintly sweet odor.

Purity Specifications	Minimum Purity	Air (O ₂ + N ₂)	H ₂ O	Other Fluorocarbons	Acidity
Semiconductor	99.995%	< 20	< 10	< 30	< 0.1 ppmw
VLSI	99.96%	< 300	< 10	< 100	< 0.1 ppmw

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents lbs	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Semiconductor	1/2 TON	816	660	REF R218SHTN	100	Single-Stage Regulator Y11-C444 * 590	A = 0-25 B = 0-50 D = 0-100	E28
	65	100	660	RE FR218S65	100			
Certificate of Conformance provided upon request.								
VLSI	1/2 TON	816	660	REF R218VLHTN	100			
	65	100	660	REF R218VL65	100			
Certificate of Conformance provided upon request.								

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	188.02
Specific Volume	2.0 cf/lb @70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Octafluoropropane
ID Number	UN 2424
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas
CAS Registry	76-19-7