

Halocarbon-23 (CHF₃)

(Trifluoromethane, Fluoroform)

A colorless, nontoxic, nonflammable gas with a slightly ethereal odor.

Purity Specifications	Minimum Purity	O ₂	H ₂ O	CO ₂	N ₂	Other Fluorocarbons	Acidity
Semiconductor	99.999%	< 2	< 1	< 8	< 6	< 1	< 1 ppmw
Electronic	99.99%	< 20	< 10	< 20	< 60	< 10	
Refrigerant	99.9%	< 600					

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	200	70	660	REF R23S200	635	Single-Stage Regulator Y11-C444 * 660	A = 0-25 B = 0-50 D = 0-100	E28
	Certificate of Conformance provided upon request.							
Electronic	200	70	660	REF R23E200	635	* Insert Delivery Pressure Range Code		
	Certificate of Conformance provided upon request.							
Refrigerant	200	70	660	REF R23R200	635	Single-Stage Regulator Y11-215 * 660	A = 0-25 B = 0-50 D = 0-100	E7
	Certificate of Conformance provided upon request.							
						* Insert Delivery Pressure Range Code		

Technical Data & Shipping Information	
Molecular Weight	70.01
Specific Volume	5.5 cf/lb @70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Trifluoromethane, Compressed
ID Number	UN 1984
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas
CAS Registry	75-46-7

