

Halocarbon-23 (CHF₃)

(Trifluoromethane, Fluoroform)

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

Grade	% Purity	O ₂	H ₂ O	CO ₂	N ₂	THC	Other Halocarbons	Acidity (HF)
Semiconductor ^(#)	99.999	2	1	8	6	1	1	1
Ultra High Purity (UHP)	99.99	20	10	20	60	10	10	
Chemically Pure (CP) ⁽¹⁾	99.9							

Concentrations given are ppm by volume unless otherwise specified.

Notes

^(#)Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

⁽¹⁾ Total impurities not to exceed 1000 ppm.

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	RF SM200	635	Single-Stage Regulator Y11-C444 * 660	A = 0-25 B = 0-50 D = 0-100	E27
	Certificate of Analysis included.							
Ultra High Purity (UHP)	200	70	660	RF UHP200	635			
	Certificate of Analysis included.							
Chemically Pure (CP)	200	70	660	RF CP200	635			
	Certificate of Analysis included.							

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	70.0138
Specific Volume	5.52 cf/lb @70° F & 1 ATM
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

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.