

Halocarbon-116 (C₂F₆)

(Hexafluoroethane)

A colorless, noncorrosive, nonflammable liquefied gas.

Grade	% Purity	O ₂	H ₂ O	Other Halocarbons	Acidity (HF)	CO	CO ₂	N ₂	THC
Semiconductor ^(#)	99.999	2	5	10	0.1 ppmw	1	1	8	1
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	Y	950	660	RI SMY	417	Single-Stage Regulator Y11-C444 * 660	A = 0-25 B = 0-50 D = 0-100 E = 0-150	E27			
	200	95	660	RI SM200	417						
Certificate of Analysis included.											
Chemically Pure (CP)	200	95	660	RI CP200	417						
	Certificate of Analysis included.										

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information

Molecular Weight	138.0118
Specific Volume	2.80 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Hexafluoromethane, Compressed
ID Number	UN 2193
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas
CAS Registry	76-16-4

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.