
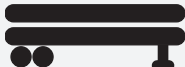



Hydrogen Chloride (HCl)

A colorless, toxic, corrosive, nonflammable liquefied gas with a sharp, suffocating odor; severely irritating to the upper respiratory tract and corrosive to eyes, skin, and mucous membranes.

Product Specifications	Minimum Purity	O ₂ + Ar	H ₂ O	THC	CO	CO ₂	N ₂	Iron	Metals
VLSI	99.999%	≤ 1	≤ 1	≤ 1	≤ 1	≤ 2	≤ 2	≤ 0.5	≤ 1
Electronic	99.997%	≤ 4	≤ 2	≤ 2	≤ 1	≤ 5	≤ 10		
Technical/NG	99.5%								

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	
VLSI 	Y	645	330	HC VLY	611	Single-Stage Regulator Y11-E464 * 330	A = 0-30 B = 0-60 C = 0-100	E29	
	300	71	330	HC VL300	611				
Certificate of Conformance available upon request.									
Electronic 	Y	645	330	HC ELY	611	Cross Purge Assembly Y99-CPAM330		E50	
	300	71	330	HC EL300	611				
Certificate of Conformance available upon request.									
* Insert Delivery Pressure Range Code									
Technical/NG 	Y	645	330	HC NGTT	611	Single-Stage Regulators Y11-C334C330 Y11-C330C330 Y11-E464C330	0-50 0-50 0-100	E49 E49 E29	
	300	71	330	HC NGY	611				
Certificate of Conformance available upon request.									
Y99-CPAM330 Y99-CPA4330									

Technical Data & Shipping Information	
Molecular Weight	36.461
Specific Volume	10.61 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Hydrogen Chloride, Anhydrous
ID Number	UN 1050
U.S. DOT Hazard Class	2.3
U.S. DOT Label	Inhalation Hazard & Corrosive
CAS Registry	7647-01-0

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.