
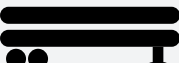



Hydrogen Chloride (HCl)

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.

Purity 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 = 0-25 B = 0-50 D = 0-100	E30
	300	71	330	HC VL300	611			
	200	62	330	HC VL200	611			
Certificate of Conformance provided upon request.								
Electronic 	Y	645	330	HC ELY	611	Cross Purge Assembly Y99-CPAM330		E45
	300	71	330	HC EL300	611			
	200	62	330	HC EL200	611			
Certificate of Conformance provided upon request.								
* Insert Delivery Pressure Range Code								
Technical/NG 	Y	645	330	HC NGTT	611	Single-Stage Regulators Y11-C334C330 Y11-C330E330 Y11-E464C330 Cross Purge Assembly Y99-CPAM330 Y99-CPA4330	0-50 0-200 0-50	E44 E44 E30
	300	71	330	HC NGY	611			
Certificate of Conformance provided upon request.								
E45 E45								

Technical Data & Shipping Information	
Molecular Weight	36.46
Specific Volume	10.6 cf/lb @70° F
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Hydrogen Chloride, Anhydrous
ID Number	UN 1050
U.S. DOT Hazard Class	2.3, 8
U.S. DOT Label	Inhalation Hazard, Corrosive
CAS Registry	7647-01-0