

## Chlorine (Cl<sub>2</sub>)

A greenish-yellow, liquefied gas with a choking odor. May react violently with ammonia, hydrocarbons and hydrogen.

Purity Specifications	Minimum Purity	O <sub>2</sub>	THC	CO	CO <sub>2</sub>	N <sub>2</sub>
Electronic	99.99%	< 50	< 1	< 5	< 5	< 50
Ultra High Purity (UHP)	99.9%	< 100			< 50	< 100
High Purity (HP)	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		
Electronic	200	90	660	CL EL200	85	<b>Single-Stage Positive Seal Regulators</b> Y11-E444 * 660 Y11-E464 * 600  <b>Cross Purge Assembly</b> Y99-CPA4660  <b>Tee Purge</b> Y99-TP4C660	<b>A = 0-25</b> <b>B = 0-50</b> <b>D = 0-100</b>	<b>E30</b> <b>E30</b>  <b>E45</b>  <b>E46</b>		
	80	40	660	CL EL80	85					
Certificate of Conformance provided upon request.										
Ultra High Purity (UHP)	200	90	660	CL UHP200	85					
	Certificate of Conformance provided upon request.									
High Purity (HP)	200	90	660	CL HP200	85					
	Certificate of Conformance provided upon request.									

\* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	70.91
Specific Volume	5.5 cf/lb @70° F
Flammability Limits in Air	Oxidizer
U.S. DOT Name	Chlorine
ID Number	UN 1017
U.S. DOT Hazard Class	2.3, 8
U.S. DOT Label	Inhalation Hazard, Corrosive
CAS Registry	7782-50-5

For more details, see Process Chemicals in Special Applications section.