AIR LIQUIDE
SPECIALTY GASES

Chlorine Cl_2

Physical Constants of Gas
Molecular Weight 70.906
Specific Volume ..... 5.4 CF/lb. (0.33 m^3/kg)
Boiling Point ..... -29.3°F (-34.1°C) 1 atm
Gas Density 70°F 1 atm ..... 3.04 kg/m^3

Cylinder Data
CGA Valve Outlet 660, 728

Shipping Data
Shipping Class 175
DOT/TC Name ..... Chlorine
DOT Class ... 2.3 (Poisonous Gas) Hazard Zone B
TC Class ..... 2.3 (8) Toxic Gas (Corrosive)
WHMIS Class AD1AE
DOT Label ..... Poison Gas
Corrosive, Inhalation Hazard
CAS Registry No. 7782-50-5
UN No./IATA No. UN1017

Safety Information
Poisonous, corrosive liquid and gas under pressure.
Can cause eye, skin and respiratory tract burns.
Can support combustion.

Specifications									Recommended Equipment	
			Contents		Pressure		Weight			
Grade	Purity (Minimum)	Size	lbs.	kg	psig	bar	lbs.	kg	Description Model Number	Page
CHEMGAZ 2	99.97% Liquid Phase	Please Inquire								
CHEMGAZ 1	99.5% Liquid Phase	150	150	68	85	6	309	140	Single-Stage Tied-Diaphragm Regulator with Cross Purge Q1-217BCP-660	273
Electronic Grade 3 Ar + O_2 < 1 ppm CO < 0.5 ppm CO_2 < 5 ppm H_2 < 1 ppm H_2O < 1 ppm N_2 < 2 ppm THC < 0.5 ppm Metals* Cr < 25 ppm Fe < 100 ppm Na < 50 ppm Ni < 25 ppm	99.999%	44NP 16NP 7NP	110 40 15	50 18 7	85 85 85	6 6 6	235 105 43	107 48 20	Application Dependent – Please Inquire	—
Electronic Grade 2 Ar + O_2 < 4 ppm CO_2 < 8 ppm H_2 < 1 ppm H_2O < 2 ppm N_2 < 4 ppm THC < 1 ppm	99.998%	44 16 7	90 40 15	41 18 7	85 85 85	6 6 6	225 105 43	102 48 20	Application Dependent – Please Inquire	—
Electronic Grade 1 CO_2 < 50 ppm H_2O < 10 ppm N_2 < 20 ppm O_2 < 10 ppm THC < 5 ppm	99.99%	44 16 7	90 40 15	41 18 7	85 85 85	6 6 6	225 105 43	102 48 20	Application Dependent – Please Inquire	—

* ppb wt liquid phase.

Gas safety cabinets and two-point dilution systems are also available for listed chlorine grade specifications – see page 312.