AIR LIQUIDE
SPECIALTY GASES

Hydrogen Bromide HBr

Synonym: Anhydrous Hydrobromic Acid

Physical Constants of Gas

Molecular Weight 80.92
Specific Volume ..... 4.8 CF/lb. (0.3 m3/kg)
Boiling Point ..... -88.1°F (-66.7°C) 1 atm
Gas Density 70°F 1 atm 3.44 kg/m3

Cylinder Data

CGA Valve Outlet 330, 634

Shipping Data

Shipping Class 150
DOT/TC Name .... Hydrogen Bromide, Anhydrous
DOT Class ... 2.3 (Poisonous Gas) Hazard Zone C
TC Class ..... 2.3 (8) Toxic Gas (Corrosive)
WHMIS Class AD1AE
DOT Label ..... Poison Gas, Corrosive
CAS Registry No. 10035-10-6
UN No./IATA No. UN1048

Safety Information

Corrosive liquid and gas under pressure.
Can cause eye, skin and respiratory tract burns.

Specifications									Recommended Equipment	
			Contents		Pressure		Weight			
Grade	Purity (Minimum)	Size	lbs.	kg	psig	bar	lbs.	kg	Description Model Number	Page
Electronic Grade 3 CH_4 < 0.5 ppm CO < 1 ppm CO_2 < 1 ppm H_2O < 1 ppm N_2 < 1 ppm O_2 < 1 ppm Metals* Cr < 50 ppb Cu < 25 ppb Fe < 150 ppb Mg < 25 ppb Mn < 25 ppb Na < 25 pbb Ni < 50 ppb	99.999%	44NP 16NP	130 40	60 18	320 320	22 22	255 107	116 49	Application Dependent – Please Inquire	—
Electronic Grade 2 CH_4 < 5 ppm CO < 5 ppm CO_2 < 20 ppm H_2O < 1 ppm N_2 < 10 ppm O_2 < 5 ppm	99.995%	44NP 16NP 7NP	130 40 10	60 18 5	320 320 320	22 22 22	255 107 38	116 49 17	Application Dependent – Please Inquire	—
Electronic Grade 1 CO_2 < 50 ppm H_2O < 50 ppm HCl < 1000 ppm N_2 < 400 ppm O_2 < 100 ppm	99.8%	44NP 16NP 7NP	130 40 10	60 18 5	320 320 320	22 22 22	255 107 38	116 49 17	Application Dependent – Please Inquire	—

* ppb wt liquid phase.

We stock SCOTT™ regulators, manifolds, flowmeters, point-of-use panels, cabinets, valves and related equipment.