



Pure Gas

HYDROGEN

colorless, odorless, flammable

Technical Information

Chemical Symbol	H ₂
Specific Volume	4.76 scf/lb
CAS Number	1333-74-0
Molecular Weight	2.016 g/mol
LEL / UEL in Air	4% / 75% (vol)

Shipping Information

US DOT Name	Hydrogen, compressed
Hazard Class	2.1
Label	Flammable Gas
I.D. Number	UN 1049

Grade	Hydrogen 6.0
Part Number	HY X-6.0
Impurities	Oxygen < 0.5 ppm Moisture < 0.5 ppm Total Hydrocarbons < 0.1 ppm Carbon Monoxide < 0.1 ppm Carbon Dioxide < 0.1 ppm Nitrogen < 0.5 ppm

*X represents cylinder size

Grade	Hydrogen 5.5
Part Number	HY X-5.5
Impurities	Oxygen < 1 ppm Moisture < 1 ppm Total Hydrocarbons < 0.5 ppm Nitrogen < 3 ppm

*X represents cylinder size

Grade	Hydrogen 5.0
Part Number	HY X-5.0
Impurities	Oxygen < 2 ppm Moisture < 2 ppm Total Hydrocarbons < 0.5 ppm Nitrogen < 5 ppm

*X represents cylinder size

Grade	Hydrogen 4.5
Part Number	HY X-4.5
Impurities	Oxygen < 15 ppm Moisture < 10 ppm Total Hydrocarbons < 0.5 ppm

*X represents cylinder size

Standard Cylinder Size	Contents (ft ³)*	Pressure (psig)	CGA Connection
T	300	2400	350
K	200	2015	350
Q	80	2015	350

*Approximate Contents Listed

