

Hydrogen

Description

Formula: H₂

Gas Data

Molecular Weight: 2.02
Density: 0.08235 kg/m³ @ 25°C, 101.325 kPa
0.00521 lb/ft³ @ 77°F, 14.696 psia
Specific Volume: 12.0 m³/kg @ 21.1°C, 101.325 kPa
192 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 4%
UFL in Air: 74%

Shipping Information

CAS Registry Number: 1333-74-0
UN Number: UN 1049
ECCN Number: 1C980
DOT Proper Shipping Name: Hydrogen, Compressed
DOT Classification: 2.1 (Flammable Gas)
DOT Label: FLAMMABLE GAS
TC Shipping Name: Hydrogen, Compressed
TC Classification: 2.1
TC Label: FLAMMABLE GAS

Industrial Gases

Cylinder Size	Nominal Contents		Valve Outlet CGA No.
	US - CF	Metric	
400	345 FT ³	9.8 M ³	350
300	258 FT ³	7.3 M ³	350
250	217 FT ³	6.1 M ³	350
200	194 FT ³	5.5 M ³	350
150	122 FT ³	3.5 M ³	350
125	108 FT ³	3.1 M ³	350
110	97 FT ³	2.7 M ³	350
80	70 FT ³	2.0 M ³	350
60	46 FT ³	1.3 M ³	350
40	35 FT ³	1.0 M ³	350
20	16 FT ³	0.5 M ³	350

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.

