

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

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
300	261 ft ³	6.86 m ³	350
200	215 ft ³	5.65 m ³	350
125	120 ft ³	3.15 m ³	350
80	79 ft ³	2.08 m ³	350
60	60 ft ³	1.58 m ³	350
40	40 ft ³	1.05 m ³	350
20	20 ft ³	0.53 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.



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