



Product Specification

HYDROGEN (H₂)

General Characteristics: A colorless, flammable and odorless gas.

Health Hazards: A simple asphyxiant.

Gas Grade/Purity	Cylinder Size	Contents	Product Code
ULSI Min. Purity: 99.9999% H ₂ O < 200 ppb CO ₂ < 100 ppb O ₂ < 100 ppb CO < 100 ppb N ₂ < 200 ppb THC(CH ₄) < 100 ppb	44 L	6.2 m ³	H26N137R
	10 L	1.5 m ³	H26N137G
	LB	57 L	H26N137LB
Ultra High Purity Min. Purity: 99.999% H ₂ O < 3 ppm O ₂ < 5 ppm N ₂ < 2 ppm	44 L	6.2 m ³	H25N137R
	10 L	1.5 m ³	H25N137G
	LB	57 L	H25N137LB
High Purity Min. Purity: 99.995% H ₂ O < 10 ppm O ₂ < 10 ppm N ₂ < 15 ppm	44 L	6.2 m ³	H24N5137R
	10 L	1.5 m ³	H24N5137G
	LB	57 L	H24N5137LB
Industrial Min. Purity: 99.8% H ₂ O < 20 ppm O ₂ < 0.1% N ₂ < 0.1%	44 L	6.2 m ³	H22N8137R
	10 L	1.5 m ³	H22N8137G
	LB	57 L	H22N8137LB

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
44 L	23 cm x 130 cm approx.	BS 341 No.4	Net content : 6200L Pressure@70°F: 2000 psig
10 L	18 cm x 60 cm approx.	BS 341 No.4	Net content : 1500L Pressure@70°F: 2000 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 57L Pressure@70°F: 2000 psig

Technical Information

Molecular Weight	2.02	Dot Name	Hydrogen Compressed
Specific Volume	192CF/lb	UN No.	UN1049
Fire Potential	4.0 - 75% in Air	Dot Class	2.1
TLV-TWA	None established	Dot Label.....	Flammable Gas
CGA Valve	350, 3HP-703, 2HP-695	Cas Registry	1333-74-0
LB	180		