



## Product Specification

### HYDROGEN (H<sub>2</sub>)

**General Characteristics:** A colorless, flammable and odorless gas.

**Health Hazards:** A simple asphyxiant.

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