



# HYDROGEN H<sub>2</sub>

*Colorless, odorless, flammable gas.*

## SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Hydrogen, compressed  
 I.D. Number: UN1049  
 Hazard Class: 2.1  
 Shipping Labels: Flammable Gas

## TECHNICAL INFORMATION

Molecular Weight: 2.016  
 Specific Volume: 191.7 ft<sup>3</sup>/lb.  
 CAS Registry: 7333-74-0  
 Safety Data Sheet Reference: Hydrogen

## PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number <sup>1</sup>	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) <sup>2</sup>						
					O <sub>2</sub>	H <sub>2</sub> O	THC (as CH <sub>4</sub> )	CO+CO <sub>2</sub>	N <sub>2</sub>	CO	CO <sub>2</sub>
Research	6.0	99.9999%	RES	SG HYRES-	0.2	0.5	0.1	0.1	0.3		
Ultra Carrier	5.5	99.9995%	UC	SG HYUC-	0.5	2	0.2		2	0.2	0.1
Lab & Spec	5.5	99.9995%	LSG	SG HYLSG-	1	1	0.5	1	3		
Ultra High Purity	5.0	99.999%	UHP	SG HYUHP-	2	3	0.5				
High Purity	4.5	99.995%	HP	SG HYHP-	5	5					

**Notes:**

<sup>1</sup> Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

<sup>2</sup> Specifications are typical results and are subject to change without notice.

## CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume <sup>3</sup> ft <sup>3</sup>	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
<b>Carbon Steel Cylinders</b>					
300	T	258	2400	350	145
200	K	193	2000	350	136
80	Q	66	2000	350	65
35	G	32	2000	350	30
<b>Disposable Non-Refillable Cylinders</b>					
Lecture Bottle	LB*	2	1800	*170 or *350	4

**Notes:** <sup>3</sup> This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

**Also available in other packaging such as:**

- 6Packs & 15Packs in select sizes and grades.
- Bulk & Tube Trailers available.

*Contact your WestAir representative about equipment recommendations for this product.*