



HYDROGEN H₂

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 ft³/lb.
 CAS Registry: 7333-74-0
 Safety Data Sheet Reference: Hydrogen

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) ²						
					O ₂	H ₂ O	THC (as CH ₄)	CO+CO ₂	N ₂	CO	CO ₂
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		8		
High Purity	4.0	99.99%	HP	SG HYHP-	5	5					

Notes:

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

² Specifications are typical results and are subject to change without notice.

CYLINDER INFORMATION

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

Notes: ³ 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.