

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

• Other balance gases and cylinder sizes are available upon request.

Hydrogen in Air			Hydrogen in Argon		
Concentration	Cylinder Size	≈Contents ft <sup>3</sup>	Concentration	Cylinder Size	≈Contents ft <sup>3</sup>
1 ppm - < 1000 ppm	200	217	1 ppm - < 100 ppm	200	217
	150A	146		150A	152
	80	86		80	90
	35	34		35	32
1000 ppm - 2.5%	200	217	100 ppm - <1%	200	227
	150A	146		150A	152
	80	86		80	90
	35	34		35	35
			>1%	200	214
				80	85
				35	33
Cannot exceed 2.5% in Air. Primary Standards available for concentrations greater than 2 ppm. Standard Valve Outlet: CGA 590 Individual Certificate of Analysis or Certificate of Batch Analysis included.			Primary Standards available for concentrations greater than 2 ppm. Standard Valve Outlet: CGA 350 Individual Certificate of Analysis or Certificate of Batch Analysis included.		
Hydrogen in Helium			Hydrogen in Nitrogen		
Concentration	Cylinder Size	≈Contents ft <sup>3</sup>	Concentration	Cylinder Size	≈Contents ft <sup>3</sup>
1 ppm - < 100 ppm	200	196	1 ppm - < 100 ppm	200	215
	150A	132		150A	144
	80	77		80	85
	35	30		35	33
100 ppm - < 1%	200	196	100 ppm - < 1%	200	215
	150A	132		150A	144
	80	77		80	85
	35	30		35	33
> 1%	200	196	> 1%	200	224
	80	77		80	89
	35	30		35	35
Primary Standards available for concentrations greater than 2 ppm. Standard Valve Outlet: CGA 350 Individual Certificate of Analysis or Certificate of Batch Analysis included.			Primary Standards available for concentrations greater than 2 ppm. Standard Valve Outlet: CGA 350 Individual Certificate of Analysis or Certificate of Batch Analysis included.		

### Technical Data & Shipping Information

Cylinder Pressure	2000 psig
U.S. DOT Class:	
H <sub>2</sub> in Air, or ≤ 2.93% in Ar, or ≤ 3.9% in He, or ≤ 5.7% in N <sub>2</sub>	2.2
All Others	2.1
U.S. DOT Label:	
H <sub>2</sub> in Air, or ≤ 2.93% in Ar, or ≤ 3.9% in He, or ≤ 5.7% in N <sub>2</sub>	Nonflammable Gas
All Others	Flammable Gas
ID Number:	
H <sub>2</sub> in Air, or ≤ 2.93% in Ar, or ≤ 3.9% in He, or ≤ 5.7% in N <sub>2</sub>	UN1956
All Others	UN1954

Equipment Recommendations are found on page 36