

Hydrogen H₂

H₂ in Air CGA 590

Grade	Concentration	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Recommended Pressure Regulator Type	Series	Page
Primary	10 ppm - 0.1%	KAL	144	2000	Two-stage	Model 600	122
	0.1 - 2.0%	K	214	2000	Single-stage	Model 600	121
Certified	5 - 49 ppm	K	214	2000	Two-stage Single-stage	Model 600 Model 600	122 121
		Q	78	2000			
		G	33	2000			
	50 - 999 ppm	K	214	2000			
		Q	78	2000			
		G	33	2000			
	0.1 - 2.0%	K	214	2000			
		Q	78	2000			
		G	33	2000			
Unanalyzed	50 - 999 ppm	K	214	2000	Two-stage Single-stage	Model 600 Model 600	122 121
		Q	78	2000			
		G	33	2000			
	0.1 - 2.0%	K	214	2000			
		Q	78	2000			
		G	33	2000			

Hydrogen in Air is available only to 2.0% concentration.

H₂ in Argon CGA 350

Grade	Concentration	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Recommended Pressure Regulator Type	Series	Page
Primary	0.1 - 50%	K	226	2000	Two-stage Single-stage	Model 600 Model 600	122 121
Certified	5 - 49 ppm	K	226	2000	Two-stage Single-stage	Model 600 Model 600	122 121
		Q	83	2000			
		G	35	2000			
	50 - 999 ppm	K	226	2000			
		Q	83	2000			
		G	35	2000			
	0.1 - 50%	K	226	2000			
		Q	83	2000			
		G	35	2000			
Unanalyzed	50 - 999 ppm	K	226	2000	Two-stage Single-stage	Model 600 Model 600	122 121
		Q	83	2000			
		G	35	2000			
	0.1 - 50%	K	226	2000			
		Q	83	2000			
		G	35	2000			

Shipping Data *(Must list two components in parentheses in association with the DOT name.)*

Major Component:	Air	Argon	Argon
Percent of Hydrogen	≤ 2.8%	≤ 2.9%	> 2.9%
DOT Name	Compressed Gas, N.O.S.	Compressed Gas, N.O.S.	Compressed Gas, Flammable, N.O.S.
Hazard Class	2.2	2.2	2.1
I.D. No.	UN 1956	UN 1956	UN 1954
DOT Label	Nonflammable Gas	Nonflammable Gas	Flammable Gas

Mixed Gases