

Isobutane C_4H_{10}

C_4H_{10} in Air CGA 590

Grade	Concentration	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Recommended Pressure Regulator Type	Pressure Regulator Series	Page
Primary	10 - 49 ppm	K	214	2000	Two-stage	Model 600	122
	50 ppm - 0.9%	K	214	2000	Single-stage	Model 600	121
Certified	100 - 999 ppb	KAL	144	2000	Two-stage	Model 600	122
		GAL	29	2000	Single-stage	Model 600	121
	1 - 49 ppm	K	214	2000			
		G	33	2000			
	50 - 999 ppm	K	214	2000			
		G	33	2000			
	0.1 - 0.9%	K	214	2000			
		G	33	2000			
Unanalyzed	50 - 999 ppm	K	214	2000	Two-stage	Model 600	122
		G	33	2000	Single-stage	Model 600	121
	0.1 - 0.9%	K	214	2000			
		G	33	2000			

Isobutane in Air is available only to 0.9% concentration. Mixtures of Isobutane in Air above 0.28% are produced at reduced pressures and volumes for safety considerations.

C_4H_{10} in Nitrogen CGA 350

Grade	Concentration	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Recommended Pressure Regulator Type	Pressure Regulator Series	Page
Primary	10 - 49 ppm	K	208	2000	Two-stage	Model 600	122
	50 ppm - 1%	K	208	2000	Single-stage	Model 600	121
Certified	100 - 999 ppb	KAL	140	2000	Two-stage	Model 600	122
		GAL	28	2000	Single-stage	Model 600	121
	1 - 49 ppm	K	208	2000			
		G	32	2000			
	50 - 999 ppm	K	208	2000			
		G	32	2000			
	0.1 - 1%	K	208	2000			
		G	32	2000			
Unanalyzed	50 - 999 ppm	K	208	2000	Two-stage	Model 600	122
		G	32	2000	Single-stage	Model 600	121
	0.1 - 1%	K	208	2000			
		G	32	2000			

Concentrations above 1% are available at reduced pressures and volumes to minimize the potential of Isobutane condensation.

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

DOT Name	Compressed Gas, N.O.S.
Hazard Class	2.2
I.D. No.	UN 1956
DOT Label	Nonflammable Gas

Isobutane mixtures in Argon, Helium or Hydrogen are available upon request.