

ACETYLENE(C₂H₂) CGA-510

A colorless, extremely flammable gas with a detectable odor. In its free state, may violently decompose if pressure exceeds 15 psig. **STORED DISSOLVED IN ACETONE.**

Toxicity: Simple asphyxiant, irritant, and anesthetic

Fire Potential: Extremely flammable

Flammable Limits: 2.5-81%

Compatible Materials: Steel and wrought iron are recommended materials of construction.

Copper, silver, or mercury may cause the formation of explosive acetylides.

Molecular Weight: 26.04

Specific Volume at 70°F and 1 atm: 14.77 ft³/lb.

DOT Hazard Class: Flammable Gas (2.1)

DOT Label: Flammable Gas

DOT ID No.: UN 1001

CAS No.: 74-86-2

Cylinder Data: CGA Valve Outlet for Atomic Absorption purity 510

*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.

ACETYLENE, Atomic Absorption Grade 2.6

Minimum Purity 99.6%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
100	04101100S	140 CF.	250 P.S.I.	Air + Methane < 400
250	04101250S	380 CF.	250 P.S.I.	Phosphine (PH ₃) < 20

Specially purified and prepared for use in all atomic absorption Spectrophotometers

ACETYLENE, Commercial Grade CGA-300

Minimum Purity 98.0%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
010	03010010S	10 CF.	250 P.S.I.	Mil Spec. BB-A-106B
040	03010040S	40 CF.	250 P.S.I.	
060	03010060S	60 CF.	250 P.S.I.	
100	03010100S	125 CF.	250 P.S.I.	
250	03010250S	250 CF.	250 P.S.I.	

ACETYLENE REGULATOR

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05390010C	Oxweld	R-76-15-300	0 - 15	Single Stage-Heavy Duty

To place an order, call 860-278-2376

AIR CGA-590

A colorless, odorless, nonflammable compressed gas at high pressure. A synthetic blend of oxygen and nitrogen. **NOT FOR BREATHING APPLICATIONS**

Fire Potential: At high pressure, air can accelerate the burning of combustible material.

Compatible Materials: Noncorrosive; most common structural materials can be used.

Molecular Weight: 28.96

Specific Volume at 70°F and 1 atm: 12.35 ft³/lb

DOT Hazard Class: Nonflammable Gas

DOT ID No.: UN 1002

Cylinder Data: CGA Valve outlet for High Purity 590

*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.

AIR, Continuous Emission Monitoring (CEM)

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
244	02117244S	233 CF.	2015 P.S.I.	NO _x <0.1, CO <1
300	02117300S	311 CF.	2400 P.S.I.	SO ₂ <0.1, CO ₂ <1 H ₂ O <2, THC <0.1 O ₂ 19.5%-23.5%

AIR, Ultra Pure Carrier Grade

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02119025S	23 CF.	2000 P.S.I.	THC < 0.1
244	02119244S	233 CF.	2015 P.S.I.	H ₂ O < 2
300	02119300S	311 CF.	2400 P.S.I.	CO < 1, CO ₂ < 1 O ₂ 19.5%-23.5%

AIR, UHP Grade

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02110025S	23 CF.	2000 P.S.I.	THC < 0.5
244	02110244S	233 CF.	2015 P.S.I.	H ₂ O < 2.0
300	02110300S	311 CF.	2400 P.S.I.	O ₂ 19.5%-23.5%

AIR, Zero Grade

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02115025S	23 CF.	2000 P.S.I.	THC < 4
244	02115244S	233 CF.	2015 P.S.I.	H ₂ O < 3.5
300	02115300S	311 CF.	2400 P.S.I.	O ₂ 19.5%-23.5%

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AIR CGA-590 CONTINUED

AIR, Dry Grade

Order Size	Product Code	Approximate Capacity	Approximate Capacity (L)	Approximate Pressure	Guaranteed Spec. (Molar ppm)
025	02111025S	23 CF.	662	2000 P.S.I.	Dew Point <-80°F
244	02111244S	233 CF.	6599	2015 P.S.I.	O ₂ 19.5%-23.5%
300	02111300S	311 CF.	8635	2400 P.S.I.	

AIR Breathing CGA-346

Air is a mixture of Oxygen and Nitrogen and other trace components. Ambient air varies in concentration dependent on altitude but not to a significant level to effect its fitness for use.

AIR, Standard Breathing Grade

Order Size	Product Code	Approximate Capacity	Approximate Capacity (L)	Approximate Pressure	Typical Impurities (Molar ppm)
012	01030012M	14 CF.	398	2000 P.S.I.	H ₂ O < 20
025	01030025M	23 CF.	662	2000 P.S.I.	O ₂ 19.5%-23.5%
020	01030020S	16 CF.	410	2000 P.S.I.	
060	01030060S	55 CF.	1525	2000 P.S.I.	
122	01030122S	117 CF.	3,03	2015 P.S.I.	
244	01030244S	233 CF.	6599	2015 P.S.I.	
300	01030300S	311 CF.	8635	2400 P.S.I.	
360	01030360S	360 CF.	10300	3600 P.S.I.	

AIR REGULATOR-BRASS

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05330220C	Western	M1	0-15, 0-100	Standard For breathing Air
05330210C	Western	M1	0-15 LPM	Yoke
05390017C	Western	SG-SH-SHSS	0-15, 0-45, 0-150	Single Stage
05390148C	Western	LM-LMSS	0-45, 0-100, 0-150	Dual Stage-High Purity Application

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