

Acetylene (C₂H₂)

A colorless, flammable gas, with a garlic-like odor, that is dissolved in acetone.

Warning: Do not discharge this gas at pressures exceeding 15 psig.

Product Specifications	Minimum Purity	Air	Phosphine	Total Sulfurs
Atomic Absorption (AA)	99.6%	≤ 0.4%	≤ 25	≤ 25

Concentrations given are ppm by volume unless otherwise specified.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Atomic Absorption (AA)	5	323	510	AC AA5	250	Single-Stage Regulator Y11-120A510	0-15	E55
	4	132	510	AC AA4	250			
Individual or Batch Certificate of Analysis available upon request.						Acetylene Filter Y80-73100		E154

Technical Data & Shipping Information	
Molecular Weight	26.0373
Specific Volume	14.24 cf/lb @70° F & 1 ATM
Flammability Limits in Air	2.5 - 100% in Air
U.S. DOT Name	Acetylene, Dissolved
ID Number	UN 1001
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	74-86-2

Airgas offers unique acetylene automatic changeover systems, regulators and filters that allow Atomic Absorption detector users to get continuous acetylene supply while protecting the analyzer from acetone.

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.