

Oxygen (O₂)

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

Oxygen in Argon			Oxygen in Helium		
Concentration	Cylinder Size	≈Contents ft ³	Concentration	Cylinder Size	≈Contents ft ³
1 ppm – < 100 ppm	150A	153	1 ppm – < 100 ppm	150A	132
	80A	80		80A	70
	33A	34		33A	30
100 ppm – < 1%	200	228	100 ppm – < 1%	200	196
	150A	153		150A	132
	80A	80		80A	70
	33A	34		33A	30
> 1%	200	228	> 1%	200	197
	80	90		80	78
	35	35		35	31

Primary Standards for concentrations greater than 3 ppm. Standard Valve Outlet: <5% Oxygen – CGA 580; 5% - <23.5% Oxygen – CGA 590, ≥ 23.5% Oxygen – CGA 296 Individual Certificate of Analysis or Certificate of Batch Analysis included.

Primary Standards available for concentrations greater than 2 ppm. Standard Valve Outlet: <5% Oxygen – CGA 580; 5% - <23.5% Oxygen – CGA 590, ≥ 23.5% Oxygen – CGA 296 Individual Certificate of Analysis or Certificate of Batch Analysis included.

Oxygen in Nitrogen		
Concentration	Cylinder Size	≈Contents ft ³
1 ppm – < 100 ppm	150A	144
	80A	77
	33A	33
100 ppm – <1%	200	215
	150A	144
	80A	77
	33A	33
> 1%	200	218
	80	86
	35	33

Primary Standards for concentrations greater than 2 ppm. Standard Valve Outlet: <5% Oxygen – CGA 580; 5% - <23.5% Oxygen – CGA 590, ≥ 23.5% Oxygen – CGA 296 Individual Certificate of Analysis or Certificate of Batch Analysis included.

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Pictured: Y12-244

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Pictured: Y12-N145

Technical Data & Shipping Information	
Cylinder Pressure	2000 psig
U.S. DOT Class	2.2
U.S. DOT Label	Nonflammable Gas
ID Number	UN1956

Additional Information:
For more information about EPA Protocol mixtures, refer to Environmental Compliance in Special Application section.

Equipment Recommendations are found on page 37

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.