

## Ethylene (C<sub>2</sub>H<sub>4</sub>)

- Other balance gases and cylinder sizes are available upon request.
- Concentrations over 5600 ppm in Air and 30% in all other balance gases are provided at reduced pressure and volume.
- Batch Analysis: order quantities of 6 or more cylinders.

Ethylene in Air			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft <sup>3</sup>	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	218	AIBPEYA	AIBCEYA	N/A	<b>Two-Stage Regulators</b> Y12-N145 * 590 Y12-244 * 590  <b>Single-Stage Regulators</b> Y11-N145 * 590 Y11-244 * 590	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E14				
	150A	146	AIEPEYA	AIECEYA	N/A							
	80	86	AICPEYA	AICCEYA	N/A							
	35	34	AIDPEYA	AIDCEYA	N/A							
100 - 999 ppm	200	218	AIBPEYB	AIBCEYB	N/A					E11		
	150A	146	AIEPEYB	AIECEYB	N/A							
	80	86	AICPEYB	AICCEYB	N/A							
	35	34	AIDPEYB	AIDCEYB	N/A							
1000 - 5600 ppm	200	121	AIBPEYC	AIBCEYC	N/A							E13
	80	48	AICPEYC	AICCEYC	N/A							
	35	19	AIDPEYC	AIDCEYC	N/A							

Can not exceed 1.15% in Air.  
 Primary Standards available for concentrations greater than 5 ppm.  
 Standard Valve Outlet: CGA 590  
 Certificate of Analysis included.

\* Insert Delivery Pressure Range Code  
 \*\* Single Stage Only

Ethylene in Helium			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft <sup>3</sup>	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	196	HEBPEYA	HEBCEYA	HEBBEYA	<b>Two-Stage Regulators</b> Y12-N145 * 350 Y12-244 * 350  <b>Single-Stage Regulators</b> Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E14				
	150A	132	HEEPEYA	HEECEYA	HEEBEYA							
	80	77	HECPEYA	HECCEYA	HECBEYA							
	35	30	HEDPEYA	HEDCEYA	HEDBEYA							
100 - 9999 ppm	200	196	HEBPEYB	HEBCEYB	HEBBEYB					E11		
	150A	132	HEEPEYB	HEECEYB	HEEBEYB							
	80	77	HECPEYB	HECCEYB	HECBEYB							
	35	30	HEDPEYB	HEDCEYB	HEDBEYB							
1 - 30%	200	197	HEBPEYC	HEBCEYC	HEBBEYC							E13
	80	78	HECPEYC	HECCEYC	HECBEYC							
	35	31	HEDPEYC	HEDCEYC	HEDBEYC							

Primary Standards available for concentrations greater than 5 ppm.  
 Standard Valve Outlet: CGA 350  
 Certificate of Analysis included.

\* Insert Delivery Pressure Range Code  
 \*\* Single Stage Only

Rely on Airgas for all your specialty gas equipment needs, including regulators for gas mixtures.



Pictured: Y12-N145

## Ethylene (C<sub>2</sub>H<sub>4</sub>) Cont.

- Other balance gases and cylinder sizes are available upon request.
- Concentrations over 30% are provided at reduced pressure and volume.
- Batch Analysis: order quantities of 6 or more cylinders.

Ethylene in Nitrogen			Pricing Reference Number			Equipment Recommendations		
Concentration	Cylinder Size	Contents ft <sup>3</sup>	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number
1 - 99 ppm	200	215	NIBPEYA	NIBCEYA	NIBBEYA	Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350	A = 0-25 B = 0-50 G = 0-500**	E14 E11
	150A	144	NIEPEYA	NIECEYA	NIEBEYA			
	80	85	NICPEYA	NICCEYA	NICBEYA			
	35	33	NIDPEYA	NIDCEYA	NIDBEYA			
100 - 9999 ppm	200	215	NIBPEYB	NIBCEYB	NIBBEYB	Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350		E13 E10
	150A	144	NIEPEYB	NIECEYB	NIEBEYB			
	80	85	NICPEYB	NICCEYB	NICBEYB			
	35	33	NIDPEYB	NIDCEYB	NIDBEYB			
1 - 30%	200	228	NIBPEYC	NIBCEYC	NIBBEYC			
	80	90	NICPEYC	NICCEYC	NICBEYC			
	35	35	NIDPEYC	NIDCEYC	NIDBEYC			

Primary Standards available for concentrations greater than 5 ppm.  
Standard Valve Outlet: CGA 350  
Certificate of Analysis included.

\* Insert Delivery Pressure Range Code  
\*\* Single Stage Only

Technical Data & Shipping Information	
Cylinder Pressure	2000 psig
U.S. DOT Class:	
C <sub>2</sub> H <sub>4</sub> In Air, or ≤ 4.1% He or ≤ 6.0% in N <sub>2</sub>	2.2
All Others	2.1
U.S. DOT Label:	
C <sub>2</sub> H <sub>4</sub> In Air, or ≤ 4.1% He or ≤ 6.0% in N <sub>2</sub>	Nonflammable Gas
All Others	Flammable Gas
ID Number:	
C <sub>2</sub> H <sub>4</sub> In Air, or ≤ 4.1% He or ≤ 6.0% in N <sub>2</sub>	UN1956
All Others	UN1954

You'll find it with us—a wide range of specialty gas equipment designed especially for gas mixtures.



Pictured: Y11-244