

Ethane (C₂H₆)

- Other balance gases and cylinder sizes are available upon request.
- Concentrations over 5000 ppm in Air and 20% in all other balance gases are provided at reduced pressure and volume.
- Batch Analysis: order quantities of 6 or more cylinders.

Ethane in Air			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft ³	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	218	AIBPETA	AIBCETA	N/A	Two-Stage Regulators Y12-N145 * 590 Y12-244 * 590 Single-Stage Regulators Y11-N145 * 590 Y11-244 * 590	A = 0-25 B = 0-50 G = 0-500**	E14				
	150A	146	AIEPETA	AIECETA	N/A							
	80	86	AICPETA	AICCETA	N/A							
	35	34	AIDPETA	AIDCETA	N/A							
100 - 9999 ppm	200	218	AIBPETB	AIBCETB	N/A			Two-Stage Regulators Y12-N145 * 590 Y12-244 * 590 Single-Stage Regulators Y11-N145 * 590 Y11-244 * 590	A = 0-25 B = 0-50 G = 0-500**	E11		
	150A	146	AIEPETB	AIECETB	N/A							
	80	86	AICPETB	AICCETB	N/A							
	35	34	AIDPETB	AIDCETB	N/A							
1000 - 5000 ppm	200	116	AIBPETC	AIBCETC	N/A					Two-Stage Regulators Y12-N145 * 590 Y12-244 * 590 Single-Stage Regulators Y11-N145 * 590 Y11-244 * 590	A = 0-25 B = 0-50 G = 0-500**	E13
	80	46	AICPETC	AICCETC	N/A							
	35	18	AIDPETC	AIDCETC	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

Ethane in Helium			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft ³	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	196	HEBPETA	HEBCETA	HEBBETA	Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 G = 0-500**	E14				
	150A	132	HEEPETA	HEECETA	HEEBETA							
	80	77	HECPETA	HECCETA	HECBETA							
	35	30	HEDPETA	HEDCETA	HEDBETA							
100 - 9999 ppm	200	196	HEBPETB	HEBCETB	HEBBETB			Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 G = 0-500**	E11		
	150A	132	HEEPETB	HEECETB	HEEBETB							
	80	77	HECPETB	HECCETB	HECBETB							
	35	30	HEDPETB	HEDCETB	HEDBETB							
1 - 20%	200	199	HEBPETC	HEBCETC	HEBBETC					Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 G = 0-500**	E13
	80	79	HECPETC	HECCETC	HECBETC							
	35	31	HEDPETC	HEDCETC	HEDBETC							

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

Airgas offers a wide range of specialty gas equipment designed especially for specialty gas mixtures.



Pictured: Y12-244

Ethane (C₂H₆) Cont.

- Other balance gases and cylinder sizes are available upon request.
- Concentrations over 20% are provided at reduced pressure and volume.
- Batch Analysis: order quantities of 6 or more cylinders.

Ethane in Hydrogen			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft ³	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	196	HYBPETA	HYBCETA	HYBBETA	Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators 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	HYEPETA	HYECETA	HYEBETA							
	80	77	HYCPETA	HYCCETA	HYCBETA							
	35	30	HYDPETA	HYDCETA	HYDBETA							
100 - 9999 ppm	200	196	HYBPETB	HYBCETB	HYBBETB			Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E11		
	150A	132	HYEPETB	HYECETB	HYEBETB							
	80	77	HYCPETB	HYCCETB	HYCBETB							
	35	30	HYDPETB	HYDCETB	HYDBETB							
1 - 20%	200	199	HYBPETC	HYBCETC	HYBBETC					Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E13
	80	79	HYCPETC	HYCCETC	HYCBETC							
	35	31	HYDPETC	HYDCETC	HYDBETC							
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

Ethane in Nitrogen			Pricing Reference Number			Equipment Recommendations						
Concentration	Cylinder Size	Contents ft ³	Primary Standard	Certified Standard	Batch Analysis	Description Product Number	Delivery Pressure Range (psig)	Page Number				
1 - 99 ppm	200	215	NIBPETA	NIBCETA	NIBBETA	Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators 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	144	NIEPETA	NIECETA	NIEBETA							
	80	85	NICPETA	NICCETA	NICBETA							
	35	33	NIDPETA	NIDCETA	NIDBETA							
100 - 9999 ppm	200	215	NIBPETB	NIBCETB	NIBBETB			Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E11		
	150A	144	NIEPETB	NIECETB	NIEBETB							
	80	85	NICPETB	NICCETB	NICBETB							
	35	33	NIDPETB	NIDCETB	NIDBETB							
1 - 20%	200	224	NIBPETC	NIBCETC	NIBBETC					Two-Stage Regulators Y12-N145 * 350 Y12-244 * 350 Single-Stage Regulators Y11-N145 * 350 Y11-244 * 350	A = 0-25 B = 0-50 D = 0-100 E = 0-150 F = 0-250 G = 0-500**	E13
	80	89	NICPETC	NICCETC	NICBETC							
	35	35	NIDPETC	NIDCETC	NIDBETC							
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 ₂ H ₆ In Air, or 8.37% in He, or ≤ 12.0% in N ₂	2.2
In H ₂ and All Others	2.1
U.S. DOT Label:	
C ₂ H ₆ In Air, or 8.37% in He, or ≤ 12.0% in N ₂	Nonflammable Gas
In H ₂ and All Others	Flammable Gas
ID Number:	
C ₂ H ₆ In Air, or 8.37% in He, or ≤ 12.0% in N ₂	UN1956
In H ₂ and All Others	UN1954