

## n-Butane (C<sub>2</sub>H<sub>10</sub>) Cont.

- Other balance gases and cylinder sizes are available upon request.
- Concentrations over 1% are provided at reduced pressure and volume.
- Batch Analysis: order quantities of 6 or more cylinders.

n-Butane 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	NIBPNBA	NIBC NBA	NIBBNBA	<b>Two-Stage Regulators</b> Y12-N145 * D350 Y12-244 * D350	<b>A = 0-25</b> <b>B = 0-50</b> <b>G = 0-500**</b>	E14 E11
	150A	144	NIEPNBA	NIECNBA	NIEBNBA			
	80	85	NICPNBA	NICCNBA	NICBNBA			
	35	33	NIDPNBA	NIDCNBA	NIDBNBA			
100 - 999 ppm	200	216	NIBPNBB	NIBC NBB	NIBBNBB	<b>Single-Stage Regulators</b> Y11-N145 * 350 Y11-244 * 350		E13 E10
	150A	145	NIEPNBB	NIECNBB	NIEBNBB			
	80	85	NICPNBB	NICCNBB	NICBNBB			
	35	34	NIDPNBB	NIDCNBB	NIDBNBB			
0.1 - 1%	200	216	NIBPNBC	NIBC NBC	NIBBNBC			
	80	85	NICPNBC	NICCNBC	NICBNBC			
	35	34	NIDPNBC	NIDCNBC	NIDBNBC			

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

Gas Mixtures

Technical Data & Shipping Information	
Cylinder Pressure	2000 psig
U.S. DOT Class:	
n-C <sub>4</sub> H <sub>10</sub> in Air, or ≤ 3.82% in He or ≤ 5.6% in N <sub>2</sub>	2.2
All Others	2.1
U.S. DOT Label:	
n-C <sub>4</sub> H <sub>10</sub> in Air, or ≤ 3.82% in He or ≤ 5.6% in N <sub>2</sub>	Nonflammable Gas
All Others	Flammable Gas
ID Number:	
n-C <sub>4</sub> H <sub>10</sub> in Air, or ≤ 3.82% in He or ≤ 5.6% in N <sub>2</sub>	UN1956
All Others	UN1954

## Carbon Dioxide (CO<sub>2</sub>)

- 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.

Carbon Dioxide 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	150A	146	AIEPCDA	AIECCDA	AIEBCDA	<b>Two-Stage Regulators</b> Y12-N145 * 590 Y12-244 * 590	<b>A = 0-25</b> <b>B = 0-50</b> <b>D = 0-100</b> <b>E = 0-150</b> <b>F = 0-250</b> <b>G = 0-500**</b>	E14 E11
	80A	78	AIFPCDA	AIFCCDA	AIFBCDA			
	35A	33	AIGPCDA	AIGCCDA	AIGBCDA			
100 - 9999 ppm	200	218	AIBPCDB	AIBCCDB	AIBBCDB	<b>Single-Stage Regulators</b> Y11-N145 * 590 Y11-244 * 590		E13 E10
	80	86	AICPCDB	AICCCDB	AICBCDB			
	35	34	AIDPCDB	AIDCCDB	AIDBCDB			
1 - 30%	200	232	AIBPCDC	AIBCCDC	AIBBCDC			
	80	92	AICPCDC	AICCCDC	AICBCDC			
	35	36	AIDPCDC	AIDCCDC	AIDBCDC			

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