



# Mixtures

## Isobutane

Balance Gases	Range	MSDS
Air	1 ppm - 5000 ppm	P-18-0089
Helium	1 ppm - 5000 ppm	P-18-0096
Nitrogen	1 ppm - 5000 ppm	P-18-0114

Regulator Recommendations		Page
Single Stage	PRX4023331-CGA	F6
Two Stage	PRX4123331-CGA	F5
Line	PRX4052001-000	F7

Balance Gas	Concentration Range	Reference Number	Praxair Grades*	Cylinder Style	CGA	Contents		Pressure		
						ft <sup>3</sup>	m <sup>3</sup>	psig	bar	
Air	1-9.9 ppm	AI ISR1	ST	AS	590	146	4.13	2000	137.90	
				K	590	215	6.09	2000	137.90	
				Q	590	72	2.04	2000	137.90	
	10-999 ppm	AI ISR2	ST	AS	590	146	4.13	2000	137.90	
				K	590	215	6.09	2000	137.90	
				Q	590	72	2.04	2000	137.90	
	1000-5000 ppm <sup>(1)</sup>	AI ISR3	ST	AS	590	146	4.13	2000	137.90	
				K	590	215	6.09	2000	137.90	
				Q	590	72	2.04	2000	137.90	
	L.E.L. 1.8%									
	Helium	1-9.9 ppm	HE ISR1	ST	AS	350	135	3.82	2000	137.90
					K	350	199	5.64	2000	137.90
Q					350	67	1.90	2000	137.90	
10-999 ppm		HE ISR2	ST	AS	350	135	3.82	2000	137.90	
				K	350	199	5.64	2000	137.90	
				Q	350	67	1.90	2000	137.90	
1000-5000 ppm <sup>(1)</sup>		HE ISR3	ST	AS	350	135	3.82	2000	137.90	
				K	350	199	5.64	2000	137.90	
				Q	350	67	1.90	2000	137.90	
Nitrogen		1-9.9 ppm	NI ISR1	ST	AS	350	142	4.02	2000	137.90
					K	350	209	5.92	2000	137.90
					Q	350	70	1.98	2000	137.90
	10-999 ppm	NI ISR2	ST	AS	350	142	4.02	2000	137.90	
				K	350	209	5.92	2000	137.90	
				Q	350	70	1.98	2000	137.90	
	1000-5000 ppm <sup>(1)</sup>	NI ISR3	ST	AS	350	142	4.02	2000	137.90	
				K	350	209	5.92	2000	137.90	
				Q	350	70	1.98	2000	137.90	

<sup>(1)</sup> Cylinder pressure and contents will vary proportionately at higher concentrations.

\* **Key for Praxair Grades** (Refer to D1 for complete specification details).  
**ST** – Standard grades include Primary (**P**), Certified (**C**), Non-Certified (**U**) and Custom (**Z**).

When ordering, combine the Reference Number with the Grade and Cylinder Style identification to obtain the complete part number. Please also specify the desired concentration.

