



**cis & trans 2-Butene**

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	<b>Series 3530-CGA*</b>	313
Mini High Purity Regulator	<b>Series 3550-180</b>	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	<b>Series 3590-CGA*</b>	315

Balance Gas	Concentration Range	Matheson Mixtures Grades						Cylinder Size	CGA*	Contents		Pressure		Approximate Ship Weight		
		MR	P	C+	C	U	G			US	Metric	psig	kPa	lb	kg	
Air	100 ppb - 50 ppm			•	•			1R	590	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32	
								2R	590	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22	
								3R	590	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11	
								6R	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1	
	50 ppm - 0.85 %			•	•	•	•	•	1A	590	215 ft <sup>3</sup>	6.09 m <sup>3</sup>	2,000	13,790	133	60
									2	590	78 ft <sup>3</sup>	2.38 m <sup>3</sup>	2,000	13,790	74	34
									3	590	29 ft <sup>3</sup>	1.01 m <sup>3</sup>	2,000	13,790	39	18
									6R	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
Nitrogen	100 ppb - 50 ppm			•	•			1R	590	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2R	590	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22	
								3R	590	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11	
								6R	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1	
	50 ppm - 3 %			•	•	•	•	•	1A	590	213 ft <sup>3</sup>	6.03 m <sup>3</sup>	2,000	13,790	133	60
									2	590	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	74	34
									3	590	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	39	18
									6R	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1

Contents and pressure may vary with concentration and ambient temperature.

\*Unanalyzed mixture available >0.2% concentration

**Key for Matheson Mixtures Grades:**

**MR** = Matheson Reference Standard

**C+** = Certified Plus Standard

**U** = Unanalyzed Standard

**P** = Primary Standard

**C** = Certified Standard

**G** = Gravimetric Standard

For more information on Matheson Mixture Grades, please refer to pages 66 - 68.