



# n,s,t-Butyl Mercaptan

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	Series 3610A-CGA	316
Mini High Purity Regulator	Series 3570-180	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	Series 3590-CGA*	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	
Helium	1 ppm - 50 ppm			•	•			1I	350	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1	
	50 ppm - 0.2 %				•	•		•	1R	350	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1
Hydrogen	1 ppm - 50 ppm			•	•			1I	350	135 ft <sup>3</sup>	3.82 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1	
	50 ppm - 0.2 %				•	•		•	1R	350	135 ft <sup>3</sup>	3.82 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1
Methane	1 ppm - 50 ppm			•	•			1I	350	172 ft <sup>3</sup>	4.87 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	92 ft <sup>3</sup>	2.61 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	4.37 ft <sup>3</sup>	124 L	1,800	12,411	2	1	
	50 ppm - 1000 ppm				•	•		•	1R	350	172 ft <sup>3</sup>	4.87 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	92 ft <sup>3</sup>	2.61 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	4.37 ft <sup>3</sup>	124 L	1,800	12,411	2	1
Nitrogen	800 ppb - 50 ppm			•	•			1I	350	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1	
	50 ppm - 0.2 %				•	•		•	1R	350	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	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

Contents and pressure may vary with concentration and ambient temperature.

**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.