



n,s,t-Butyl Mercaptan

Equipment Recommendations	Model No.
Single Stage Regulator	Series 3610A-CGA
Mini High Purity Regulator	Series 3570-180
Low Dead Volume Regulator (for Concentrations < 50ppm)	Series 3590-CGA*

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 ³	3.85 m ³	2,000	13,790	70	32		
								2I	350	73 ft ³	2.07 m ³	2,000	13,790	48	22		
								3I	350	27 ft ³	0.77 m ³	2,000	13,790	24	11		
								6I	180	3.51 ft ³	99 L	1,800	12,411	2	1		
	50 ppm - 0.2 %				•	•		•	1R	350	136 ft ³	3.85 m ³	2,000	13,790	70	32	
									2R	350	73 ft ³	2.07 m ³	2,000	13,790	48	22	
									3R	350	27 ft ³	0.77 m ³	2,000	13,790	24	11	
									6R	180	3.51 ft ³	99 L	1,800	12,411	2	1	
		Hydrogen	1 ppm - 50 ppm			•	•			1I	350	135 ft ³	3.82 m ³	2,000	13,790	70	32
										2I	350	72 ft ³	2.04 m ³	2,000	13,790	48	22
								3I	350	27 ft ³	0.77 m ³	2,000	13,790	24	11		
								6I	180	3.48 ft ³	98 L	1,800	12,411	2	1		
50 ppm - 0.2 %					•	•		•	1R	350	135 ft ³	3.82 m ³	2,000	13,790	70	32	
									2R	350	72 ft ³	2.04 m ³	2,000	13,790	48	22	
									3R	350	27 ft ³	0.77 m ³	2,000	13,790	24	11	
									6R	180	3.48 ft ³	98 L	1,800	12,411	2	1	
	Methane		1 ppm - 50 ppm			•	•			1I	350	172 ft ³	4.87 m ³	2,000	13,790	70	32
										2I	350	92 ft ³	2.61 m ³	2,000	13,790	48	22
								3I	350	34 ft ³	0.96 m ³	2,000	13,790	24	11		
								6I	180	4.37 ft ³	124 L	1,800	12,411	2	1		
50 ppm - 1000 ppm					•	•		•	1R	350	172 ft ³	4.87 m ³	2,000	13,790	70	32	
									2R	350	92 ft ³	2.61 m ³	2,000	13,790	48	22	
									3R	350	34 ft ³	0.96 m ³	2,000	13,790	24	11	
									6R	180	4.37 ft ³	124 L	1,800	12,411	2	1	
		Nitrogen	800 ppb - 50 ppm			•	•			1I	350	143 ft ³	4.05 m ³	2,000	13,790	70	32
										2I	350	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3I	350	29 ft ³	0.82 m ³	2,000	13,790	24	11		
								6I	180	3.69 ft ³	104 L	1,800	12,411	2	1		
50 ppm - 0.2 %					•	•		•	1R	350	143 ft ³	4.05 m ³	2,000	13,790	70	32	
									2R	350	77 ft ³	2.18 m ³	2,000	13,790	48	22	
									3R	350	29 ft ³	0.82 m ³	2,000	13,790	24	11	
									6R	180	3.69 ft ³	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