



# Methyl Mercaptan

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	<b>Series 3610A-CGA</b>	316
Mini High Purity Regulator	<b>Series 3570-180</b>	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	<b>Series 3590-CGA*</b>	315
Cross Purge	<b>4774-CGA*</b>	422

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
Methane	1 ppm - 500 ppm			•	•			1I	350	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32
								2I	350	78 ft <sup>3</sup>	2.21 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	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
	500 ppm - 1 %		•	•	•		•	1R	350	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32
								2R	350	78 ft <sup>3</sup>	2.21 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	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
Nitrogen	500 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 - 1 %		•	•	•		•	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.  
Not recommended for use with concentrations <0.5%

**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.