



# Sulfur Dioxide

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
Cross Purge	4774-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	
Air	1 ppm - 3500 ppm	•		•	•		•	1R	660	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32	
								2R	660	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22	
								3R	660	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	
	3500 ppm - 1.50 %			•	•	•	•	•	1P	660	215 ft <sup>3</sup>	6.09 m <sup>3</sup>	2,000	13,790	140	64
									2P	660	84 ft <sup>3</sup>	2.38 m <sup>3</sup>	2,000	13,790	76	34
									3P	660	36 ft <sup>3</sup>	1.01 m <sup>3</sup>	2,000	13,790	39	18
									6P	660	4.62 ft <sup>3</sup>	0.13 m <sup>3</sup>	2,000	13,790	20	9
Helium	5 ppm - 2500 ppm			•	•		•	1R	660	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32	
								2R	660	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22	
								3R	660	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	
	2500 ppm - 1.50 %				•	•	•	•	1P	660	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	2,000	13,790	140	64
									2P	660	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	2,000	13,790	76	34
									3P	660	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	39	18
									6P	660	4.34 ft <sup>3</sup>	0.12 m <sup>3</sup>	2,000	13,790	20	9
Nitrogen	1 ppm - 3500 ppm	•		•	•		•	1R	660	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2R	660	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22	
								3R	660	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	
	3500 ppm - 1.50 %			•	•	•	•	•	1P	660	213 ft <sup>3</sup>	6.03 m <sup>3</sup>	2,000	13,790	140	64
									2P	660	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	76	34
									3P	660	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	39	18
									6P	660	4.60 ft <sup>3</sup>	0.13 m <sup>3</sup>	2,000	13,790	20	9

Contents and pressure may vary with concentration and ambient temperature. Certifications are traceable to NIST SRM.

**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.

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