



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 ³	4.11 m ³	2,000	13,790	70	32									
								2R	660	78 ft ³	2.21 m ³	2,000	13,790	48	22									
								3R	660	29 ft ³	0.82 m ³	2,000	13,790	24	11									
								6R	180	3.73 ft ³	106 L	1,800	12,411	2	1									
	3500 ppm - 1.50 %		•	•	•	•	•		1P	660	215 ft ³	6.09 m ³	2,000	13,790	140	64								
									2P	660	84 ft ³	2.38 m ³	2,000	13,790	76	34								
									3P	660	36 ft ³	1.01 m ³	2,000	13,790	39	18								
									6P	660	4.62 ft ³	0.13 m ³	2,000	13,790	20	9								
									Helium	5 ppm - 2500 ppm			•	•			1R	660	136 ft ³	3.85 m ³	2,000	13,790	70	32
																	2R	660	73 ft ³	2.07 m ³	2,000	13,790	48	22
3R	660	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																	
2500 ppm - 1.50 %				•	•	•		1P		660	202 ft ³	5.72 m ³	2,000	13,790	140	64								
								2P		660	79 ft ³	2.24 m ³	2,000	13,790	76	34								
								3P		660	34 ft ³	0.96 m ³	2,000	13,790	39	18								
								6P		660	4.34 ft ³	0.12 m ³	2,000	13,790	20	9								
								Nitrogen		1 ppm - 3500 ppm	•		•	•			1R	660	143 ft ³	4.05 m ³	2,000	13,790	70	32
																	2R	660	77 ft ³	2.18 m ³	2,000	13,790	48	22
3R	660	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																	
3500 ppm - 1.50 %		•	•	•	•	•			1P	660	213 ft ³	6.03 m ³	2,000	13,790	140	64								
									2P	660	83 ft ³	2.35 m ³	2,000	13,790	76	34								
									3P	660	35 ft ³	0.99 m ³	2,000	13,790	39	18								
									6P	660	4.60 ft ³	0.13 m ³	2,000	13,790	20	9								

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

⚠ WARNING: This product can expose you to chemicals including Sulfur Dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Key for Matheson Mixtures Grades:

MR = Matheson Reference Standard

P = Primary Standard

C+ = Certified Plus Standard

C = Certified Standard

U = Unanalyzed Standard

G = Gravimetric Standard

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

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