



# Nitrogen Dioxide

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	<b>Series 3510-CGA*</b>	312
Mini High Purity Regulator	<b>Series 3570-180</b>	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	<b>Series 3590-CGA*</b>	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	
Air	20 ppm - 499 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	
	500 ppm - 1 %				•	•	•	•	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
Nitrogen	20 ppm - 100 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	

\*Content and pressure will vary proportionately at concentrations > 0.65%  
Certification 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.