



Nitrogen Dioxide

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

*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.