



Nitric Oxide

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*	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		
Argon	16 ppm - 500 ppm			•	•	•	•	1R	660	152 ft ³	6.37 m ³	2,000	13,790	70	32		
								2R	660	81 ft ³	2.49 m ³	2,000	13,790	48	22		
								3R	660	30 ft ³	1.07 m ³	2,000	13,790	24	11		
								6R	180	3.89 ft ³	110 L	1,800	12,411	2	1		
	500 ppm - 5 %	1P	•	•	•	•	•	660	225 ft ³	6.37 m ³	2,000	13,790	140	64			
		2P						660	88 ft ³	2.49 m ³	2,000	13,790	76	34			
		3P						660	38 ft ³	1.07 m ³	2,000	13,790	39	18			
		6P						660	4.35 ft ³	0.12 m ³	2,000	13,790	20	9			
		Nitrogen	1 ppm - 2 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	3.64 ft ³	104 L	1,800	12,411	2	1		
2 ppm - 5,000 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	3.64 ft ³	104 L	1,800	12,411	2	1			
5,000 ppm - 5 %*	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	4.13 ft ³	0.12 m ³	2,000	13,790	20	9				

*At concentrations over 0.99% the cylinder pressure is reduced to 1,000 psig and the fill contents are reduced proportionately.
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.