



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.