



Nitrogen

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	Series 3530-CGA*	313
Mini High Purity Regulator	Series 3550-180	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	
Argon	10 ppm - 1000 ppm				•	•	•	1A	580	225 ft ³	6.37 m ³	2,000	13,790	133	60	
								2	580	88 ft ³	2.49 m ³	2,000	13,790	74	34	
								3	580	38 ft ³	1.07 m ³	2,000	13,790	39	18	
								6R	180	3.89 ft ³	110 L	1,800	12,411	2	1	
	1000 ppm - 49 %			•	•	•	•	•	•	•	•	•	•	•	•	•
								1A	580	225 ft ³	6.37 m ³	2,000	13,790	133	60	
								2	580	88 ft ³	2.49 m ³	2,000	13,790	74	34	
								3	580	38 ft ³	1.07 m ³	2,000	13,790	39	18	
Helium	10 ppm - 1000 ppm				•	•	•	1A	580	202 ft ³	5.72 m ³	2,000	13,790	133	60	
								2	580	79 ft ³	2.24 m ³	2,000	13,790	74	34	
								3	580	34 ft ³	0.96 m ³	2,000	13,790	39	18	
								6R	180	3.51 ft ³	99 L	1,800	12,411	2	1	
	1000 ppm - 49 %			•	•	•	•	•	•	•	•	•	•	•	•	•
								1A	580	389 ft ³	5.72 m ³	2,000	13,790	133	60	
								2	580	88 ft ³	2.24 m ³	2,000	13,790	74	34	
								3	580	38 ft ³	0.96 m ³	2,000	13,790	39	18	
Oxygen	10 ppm - 1000 ppm				•	•	•	1A	296	186 ft ³	5.27 m ³	1,650	11,385	133	60	
								2	296	72 ft ³	2.04 m ³	1,650	11,385	74	34	
								3	296	31 ft ³	0.88 m ³	1,650	11,385	39	18	
								6R	180	3.56 ft ³	100 L	1,650	11,385	2	1	
	1000 ppm - 49 %			•	•	•	•	•	•	•	•	•	•	•	•	•
								1A	296	186 ft ³	5.27 m ³	1,650	11,385	133	60	
								2	296	72 ft ³	2.04 m ³	1,650	11,385	74	34	
								3	296	31 ft ³	0.88 m ³	1,650	11,385	39	18	

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.