



# Nitrogen

Equipment Recommendations	Model No.
Single Stage Regulator	Series 3530-CGA*
Mini High Purity Regulator	Series 3550-180
Low Dead Volume Regulator (for Concentrations < 50ppm)	Series 3590-CGA*

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 <sup>3</sup>	6.37 m <sup>3</sup>	2,000	13,790	133	60
								2	580	88 ft <sup>3</sup>	2.49 m <sup>3</sup>	2,000	13,790	74	34
								3	580	38 ft <sup>3</sup>	1.07 m <sup>3</sup>	2,000	13,790	39	18
								6R	180	3.89 ft <sup>3</sup>	110 L	1,800	12,411	2	1
	1000 ppm - 49 %		•	•	•	•	•	1A	580	225 ft <sup>3</sup>	6.37 m <sup>3</sup>	2,000	13,790	133	60
								2	580	88 ft <sup>3</sup>	2.49 m <sup>3</sup>	2,000	13,790	74	34
								3	580	38 ft <sup>3</sup>	1.07 m <sup>3</sup>	2,000	13,790	39	18
								6R	180	3.89 ft <sup>3</sup>	110 L	1,800	12,411	2	1
Helium	10 ppm - 1000 ppm				•	•	•	1A	580	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	2,000	13,790	133	60
								2	580	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	2,000	13,790	74	34
								3	580	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	39	18
								6R	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1
	1000 ppm - 49 %		•	•	•	•	•	1A	580	389 ft <sup>3</sup>	5.72 m <sup>3</sup>	2,000	13,790	133	60
								2	580	88 ft <sup>3</sup>	2.24 m <sup>3</sup>	2,000	13,790	74	34
								3	580	38 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	39	18
								6R	180	3.89 ft <sup>3</sup>	99 L	1,800	12,411	2	1
Oxygen	10 ppm - 1000 ppm				•	•	•	1A	296	186 ft <sup>3</sup>	5.27 m <sup>3</sup>	1,650	11,385	133	60
								2	296	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	1,650	11,385	74	34
								3	296	31 ft <sup>3</sup>	0.88 m <sup>3</sup>	1,650	11,385	39	18
								6R	180	3.56 ft <sup>3</sup>	100 L	1,650	11,385	2	1
	1000 ppm - 49 %		•	•	•	•	•	1A	296	186 ft <sup>3</sup>	5.27 m <sup>3</sup>	1,650	11,385	133	60
								2	296	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	1,650	11,385	74	34
								3	296	31 ft <sup>3</sup>	0.88 m <sup>3</sup>	1,650	11,385	39	18
								6R	180	3.56 ft <sup>3</sup>	100 L	1,650	11,385	2	1

**Key for Matheson Mixtures Grades:**

MR = Matheson Reference Standard  
P = Primary Standard

C+ = Certified Plus Standard  
C = Certified Standard

U = Unanalyzed Standard  
G = Gravimetric Standard