



# Argon

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	
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	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	2,000	13,790	133	60	
								2	580	79ft <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	
Hydrogen	10 ppm - 1000 ppm				•	•	•	1A	350	200 ft <sup>3</sup>	5.66 m <sup>3</sup>	2,000	13,790	133	60	
								2	350	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	74	34	
								3	350	33 ft <sup>3</sup>	0.93 m <sup>3</sup>	2,000	13,790	39	18	
								6R	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1	
	1000 ppm - 49%				•	•	•	•	1A	350	200 ft <sup>3</sup>	5.66 m <sup>3</sup>	2,000	13,790	133	60
									2	350	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	74	34
									3	350	33 ft <sup>3</sup>	0.93 m <sup>3</sup>	2,000	13,790	39	18
									6R	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1
Nitrogen	20 ppm - 1000 ppm			•	•	•	•	1A	580	213 ft <sup>3</sup>	6.08 m <sup>3</sup>	2,000	13,790	133	60	
								2	580	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	74	34	
								3	580	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	39	18	
								6R	180	3.69 ft <sup>3</sup>	106 L	1,800	12,411	2	1	
	1000 ppm - 49%			•	•	•	•	•	1A	580	213 ft <sup>3</sup>	6.08 m <sup>3</sup>	2,000	13,790	133	60
									2	580	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	74	34
									3	580	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	39	18
									6R	180	3.69 ft <sup>3</sup>	106 L	1,800	12,411	2	1

**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.