



# Helium

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	100 ppm - 1000 ppm				•	•	•	1A	580	226 ft <sup>3</sup>	6.40 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>	1.08 m <sup>3</sup>	2,000	13,790	39	18
	1000 ppm - 49 %			•	•	•	•	1A	580	226 ft <sup>3</sup>	6.40 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>	1.08 m <sup>3</sup>	2,000	13,790	39	18
Nitrogen	100 ppm - 1000 ppm				•	•	•	1A	580	213 ft <sup>3</sup>	6.03 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
	1000 ppm - 49 %			•	•	•	•	1A	580	213 ft <sup>3</sup>	6.03 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

Contents and pressure may vary with concentration and ambient temperature.

\*Only the 1% relative certification accuracy applies.

**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.