



Ethanol

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
Air	1 ppm - 400 ppm	•	•	•	•		•	1R	590	145 ft ³	4.11 m ³	2,000	13,790	70	32
								2R	590	78 ft ³	2.21 m ³	2,000	13,790	48	22
								3R	590	29 ft ³	0.82 m ³	2,000	13,790	24	11
								6R	180	3.73 ft ³	106 L	1,800	12,411	2	1
Helium	5 ppm - 400 ppm			•	•		•	1R	350	136 ft ³	3.85 m ³	2,000	13,790	70	32
								2R	350	73 ft ³	2.07 m ³	2,000	13,790	48	22
								3R	350	27 ft ³	0.77 m ³	2,000	13,790	24	11
								6R	180	3.89 ft ³	99 L	1,800	12,411	2	1
Nitrogen	1 ppm - 400 ppm	•	•	•	•		•	1R	350	143 ft ³	4.05 m ³	2,000	13,790	70	32
								2R	350	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3R	350	29 ft ³	0.82 m ³	2,000	13,790	24	11
								6R	180	3.69 ft ³	104 L	1,800	12,411	2	1

Contents and pressure may vary with concentration and ambient temperature.
MTG's Ethanol standards have direct NIST/NMi traceability.

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.