



Carbon Monoxide

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

Gas Mixtures

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 - 7.55 %	•	•	•	•	•	•	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						
Argon	1 ppm - 100 ppm	•	•	•	•	•	•	1R	350	152 ft ³	4.30 m ³	2,000	13,790	70	32
		2R	350	81 ft ³	2.29 m ³	2,000	13,790	48	22						
		3R	350	30 ft ³	0.85 m ³	2,000	13,790	24	11						
		6R	180	3.89 ft ³	110 L	1,800	12,411	2	1						
	100 ppm - 10 %	•	•	•	•	•	•	1A	350	225 ft ³	6.37 m ³	1,650	11,376	133	60
		2	350	88 ft ³	2.49 m ³	1,650	11,376	74	34						
		3	350	38 ft ³	1.07 m ³	1,650	11,376	39	18						
		6R	180	3.89 ft ³	110 L	1,800	12,411	2	1						
Helium	1 ppm - 1000 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	3.51 ft ³	99 L	1,800	12,411	2	1						
	0.1 % - 10 %	•	•	•	•	•	•	1A	350	202 ft ³	5.72 m ³	1,650	11,376	133	60
		2	350	79 ft ³	2.24 m ³	1,650	11,376	74	34						
		3	350	34 ft ³	0.96 m ³	1,650	11,376	39	18						
		6R	180	3.51 ft ³	99 L	1,800	12,411	2	1						
Hydrogen	1 ppm - 1000 ppm	•	•	•	•	•	•	1R	350	135 ft ³	3.82 m ³	2,000	13,790	70	32
		2R	350	72 ft ³	2.04 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	3.48 ft ³	98 L	1,800	12,411	2	1						
	0.1 % - 10 %	•	•	•	•	•	•	1A	350	200 ft ³	5.66 m ³	1,650	11,376	133	60
		2	350	78 ft ³	2.21 m ³	1,650	11,376	74	34						
		3	350	33 ft ³	0.93 m ³	1,650	11,376	39	18						
		6R	180	3.48 ft ³	98 L	1,800	12,411	2	1						
Nitrogen	1 ppm - 2 %	•	•	•	•	•	•	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						
	2 % - 10 %	•	•	•	•	•	•	1A	350	213 ft ³	6.08 m ³	1,650	11,376	133	60
		2	350	83 ft ³	2.35 m ³	1,650	11,376	74	34						
		3	350	35 ft ³	0.99 m ³	1,650	11,376	39	18						
		6R	180	3.69 ft ³	104 L	1,800	12,411	2	1						

* Contents and pressure may vary with concentration and ambient temperature.
Certifications are traceable to NIST SRM.

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.