



Gas Mixtures – Multipurpose Two Component

Carbon Monoxide

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*

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.

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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