



Oxygen

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	Series 3530-CGA*	313
Mini High Purity Regulator	Series 3550-180	314

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
Argon	10 ppm - 3000 ppm			•	•	•	•	1R	580	152 ft ³	4.30 m ³	2,000	13,790	70	32
								2R	580	81 ft ³	2.29 m ³	2,000	13,790	48	22
								3R	580	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
	3000 ppm - 5 %		•	•	•	•	•	1A	580	225 ft ³	6.37 m ³	2,000	13,790	133	60
								2	580	88 ft ³	2.49 m ³	2,000	13,790	74	34
								3	580	38 ft ³	1.07 m ³	2,000	13,790	39	18
	>5 % - 23.5 %		•	•	•	•	•	1A	590	225 ft ³	6.37 m ³	2,000	13,790	133	60
								2	590	88 ft ³	2.49 m ³	2,000	13,790	74	34
								3	590	38 ft ³	1.07 m ³	2,000	13,790	39	18
	>23.5 % - 49 %		•	•	•	•	•	1A	296	225 ft ³	6.37 m ³	2,000	13,790	133	60
								2	296	88 ft ³	2.49 m ³	2,000	13,790	74	34
							3	296	38 ft ³	1.07 m ³	2,000	13,790	39	18	
Helium	10 ppm - 3000 ppm			•	•	•	•	1R	580	136 ft ³	3.85 m ³	2,000	13,790	70	32
								2R	580	73 ft ³	2.07 m ³	2,000	13,790	48	22
								3R	580	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
	3000 ppm - 5 %		•	•	•	•	•	1A	580	202 ft ³	5.72 m ³	2,000	13,790	133	60
								2	580	79 ft ³	2.24 m ³	2,000	13,790	74	34
								3	580	34 ft ³	0.96 m ³	2,000	13,790	39	18
	>5 % - 23.5 %		•	•	•	•	•	1A	590	202 ft ³	5.72 m ³	2,000	13,790	133	60
								2	590	79 ft ³	2.24 m ³	2,000	13,790	74	34
								3	590	34 ft ³	0.96 m ³	2,000	13,790	39	18
	>23.5 % - 49 %		•	•	•	•	•	1A	296	202 ft ³	5.72 m ³	2,000	13,790	133	60
								2	296	79 ft ³	2.24 m ³	2,000	13,790	74	34
							3	296	34 ft ³	0.96 m ³	2,000	13,790	39	18	
Nitrogen	10 ppm - 3000 ppm			•	•	•	•	1R	580	143 ft ³	4.05 m ³	2,000	13,790	70	32
								2R	580	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3R	580	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
	3000 ppm - 5 %		•	•	•	•	•	1A	580	213 ft ³	6.03 m ³	2,000	13,790	133	60
								2	580	83 ft ³	2.35 m ³	2,000	13,790	74	34
								3	580	35 ft ³	0.99 m ³	2,000	13,790	39	18
	>5 % - 23.5 %		•	•	•	•	•	1A	590	213 ft ³	6.03 m ³	2,000	13,790	133	60
								2	590	83 ft ³	2.35 m ³	2,000	13,790	74	34
								3	590	35 ft ³	0.99 m ³	2,000	13,790	39	18
	>23.5 % - 49 %		•	•	•	•	•	1A	296	213 ft ³	6.03 m ³	2,000	13,790	133	60
								2	296	83 ft ³	2.35 m ³	2,000	13,790	74	34
							3	296	35 ft ³	0.99 m ³	2,000	13,790	39	18	

Contents and pressure may vary with concentration and ambient temperature.
Certifications 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.