



Benzene

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	100 ppb - 1 ppm			•	•		•	1I	590	145 ft ³	4.11 m ³	2,000	13,790	70	32	
								2I	590	78 ft ³	2.21 m ³	2,000	13,790	48	22	
								3I	590	29 ft ³	0.82 m ³	2,000	13,790	24	11	
								6I	180	3.73 ft ³	106 L	1,800	12,411	2	1	
	1 ppm - 100 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
	100 ppm - 1000 ppm			•	•	•		•	1A	590	215 ft ³	6.09 m ³	2,000	13,790	149	68
									2	590	78 ft ³	2.38 m ³	2,000	13,790	80	36
									3	590	29 ft ³	1.01 m ³	2,000	13,790	41	19
									6R	180	3.73 ft ³	106 L	1,800	12,411	2	1
Helium		100 ppb - 1 ppm			•	•		•	1I	350	136 ft ³	3.85 m ³	2,000	13,790	70	32
									2I	350	73 ft ³	2.07 m ³	2,000	13,790	48	22
								3I	350	27 ft ³	0.77 m ³	2,000	13,790	24	11	
								6I	180	3.51 ft ³	99 L	1,800	12,411	2	1	
	1 ppm - 100 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
	100 ppm - 1000 ppm				•	•	•	•	1A	350	202 ft ³	5.72 m ³	2,000	13,790	149	68
									2	350	79 ft ³	2.24 m ³	2,000	13,790	80	36
									3	350	34 ft ³	0.96 m ³	2,000	13,790	41	19
									6R	180	3.51 ft ³	99 L	1,800	12,411	2	1
Hydrogen		100 ppb - 1 ppm			•	•		•	1I	350	135 ft ³	3.82 m ³	2,000	13,790	70	32
									2I	350	72 ft ³	2.04 m ³	2,000	13,790	48	22
								3I	350	27 ft ³	0.77 m ³	2,000	13,790	24	11	
								6I	180	3.48 ft ³	98 L	1,800	12,411	2	1	
	1 ppm - 100 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
	100 ppm - 1000 ppm				•	•	•	•	1A	350	200 ft ³	5.66 m ³	2,000	13,790	149	68
									2	350	78 ft ³	2.21 m ³	2,000	13,790	80	36
									3	350	33 ft ³	0.93 m ³	2,000	13,790	41	19
									6R	180	3.48 ft ³	98 L	1,800	12,411	2	1
Nitrogen		100 ppb - 1 ppm			•	•		•	1I	350	143 ft ³	4.05 m ³	2,000	13,790	70	32
									2I	350	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3I	350	29 ft ³	0.82 m ³	2,000	13,790	24	11	
								6I	180	3.69 ft ³	104 L	1,800	12,411	2	1	
	1 ppm - 100 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
	100 ppm - 1000 ppm			•	•	•		•	1A	350	213 ft ³	6.03 m ³	2,000	13,790	149	68
									2	350	83 ft ³	2.35 m ³	2,000	13,790	80	36
									3	350	35 ft ³	0.99 m ³	2,000	13,790	41	19
									6R	180	3.69 ft ³	104 L	1,800	12,411	2	1

Contents and pressure may vary with concentration and ambient temperature.

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.