



# Benzene

Equipment Recommendations	Model No.	Page No.
Single Stage Regulator	<b>Series 3530-CGA*</b>	313
Mini High Purity Regulator	<b>Series 3550-180</b>	314
Low Dead Volume Regulator (for Concentrations < 50ppm)	<b>Series 3590-CGA*</b>	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	100 ppb - 1 ppm			•	•		•	1I	590	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32	
								2I	590	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22	
								3I	590	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1	
	1 ppm - 100 ppm				•	•		•	1R	590	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32
									2R	590	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22
									3R	590	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
	100 ppm - 1000 ppm			•	•	•		•	1A	590	215 ft <sup>3</sup>	6.09 m <sup>3</sup>	2,000	13,790	149	68
									2	590	78 ft <sup>3</sup>	2.38 m <sup>3</sup>	2,000	13,790	80	36
									3	590	29 ft <sup>3</sup>	1.01 m <sup>3</sup>	2,000	13,790	41	19
									6R	180	3.73 ft <sup>3</sup>	106 L	1,800	12,411	2	1
Helium	100 ppb - 1 ppm			•	•		•	1I	350	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1	
	1 ppm - 100 ppm				•	•		•	1R	350	136 ft <sup>3</sup>	3.85 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	73 ft <sup>3</sup>	2.07 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1
	100 ppm - 1000 ppm				•	•	•	•	1A	350	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	2,000	13,790	149	68
									2	350	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	2,000	13,790	80	36
									3	350	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	2,000	13,790	41	19
									6R	180	3.51 ft <sup>3</sup>	99 L	1,800	12,411	2	1
Hydrogen	100 ppb - 1 ppm			•	•		•	1I	350	135 ft <sup>3</sup>	3.82 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1	
	1 ppm - 100 ppm				•	•		•	1R	350	135 ft <sup>3</sup>	3.82 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	72 ft <sup>3</sup>	2.04 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	27 ft <sup>3</sup>	0.77 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1
	100 ppm - 1000 ppm				•	•	•	•	1A	350	200 ft <sup>3</sup>	5.66 m <sup>3</sup>	2,000	13,790	149	68
									2	350	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	80	36
									3	350	33 ft <sup>3</sup>	0.93 m <sup>3</sup>	2,000	13,790	41	19
									6R	180	3.48 ft <sup>3</sup>	98 L	1,800	12,411	2	1
Nitrogen	100 ppb - 1 ppm			•	•		•	1I	350	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2I	350	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22	
								3I	350	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11	
								6I	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1	
	1 ppm - 100 ppm				•	•		•	1R	350	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32
									2R	350	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22
									3R	350	29 ft <sup>3</sup>	0.82 m <sup>3</sup>	2,000	13,790	24	11
									6R	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1
	100 ppm -1000 ppm				•	•	•	•	1A	350	213 ft <sup>3</sup>	6.03 m <sup>3</sup>	2,000	13,790	149	68
									2	350	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	80	36
									3	350	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	41	19
									6R	180	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1

Contents and pressure may vary with concentration and ambient temperature.

⚠WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://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

For more information on Matheson Mixture Grades, please refer to pages 66 - 68.