



Gas Mixtures – Multipurpose

Two Component

Hydrogen Sulfide

Equipment Recommendations	Model No.
Single Stage Regulator	Series 3610A-CGA
Mini High Purity Regulator	Series 3570-180
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 - 1 %			•	•		•	1I	660	145 ft ³	4.11 m ³	2,000	13,790	70	32	
								2I	660	78 ft ³	2.21 m ³	2,000	13,790	48	22	
								3I	660	29 ft ³	0.82 m ³	2,000	13,790	24	11	
	1 % - 5 %			•	•	•	•	•	6I	180	3.73 ft ³	106 L	1,800	12,411	2	1
									1P	330	215 ft ³	6.09 m ³	2,000	13,790	140	64
									2P	330	84 ft ³	2.38 m ³	2,000	13,790	76	34
Helium	2 ppm - 50 ppm				•	•		3P	330	36 ft ³	1.01 m ³	2,000	13,790	39	18	
								6P	330	4.62 ft ³	0.13 m ³	2,000	13,790	20	9	
								1I	330	136 ft ³	3.85 m ³	2,000	13,790	70	32	
	50 ppm - 1 %				•	•	•		2I	330	73 ft ³	2.07 m ³	2,000	13,790	48	22
									3I	330	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 % - 5 %				•	•	•		1R	330	136 ft ³	3.85 m ³	2,000	13,790	70	32	
								2R	330	73 ft ³	2.07 m ³	2,000	13,790	48	22	
								3R	330	27 ft ³	0.77 m ³	2,000	13,790	24	11	
Hydrogen	2 ppm - 50 ppm				•	•		6R	180	3.51 ft ³	99 L	1,800	12,411	2	1	
								1P	330	202 ft ³	5.72 m ³	2,000	13,790	140	64	
								2P	330	79 ft ³	2.24 m ³	2,000	13,790	76	34	
	50 ppm - 1 %				•	•	•		3P	330	34 ft ³	0.96 m ³	2,000	13,790	39	18
									6P	330	4.34 ft ³	0.12 m ³	2,000	13,790	20	9
									1I	330	135 ft ³	3.82 m ³	2,000	13,790	70	32
1 % - 5 %				•	•	•		2I	330	72 ft ³	2.04 m ³	2,000	13,790	48	22	
								3I	330	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	
Methane	2 ppm - 50 ppm				•	•	•	1R	330	135 ft ³	3.82 m ³	2,000	13,790	70	32	
								2R	330	72 ft ³	2.04 m ³	2,000	13,790	48	22	
								3R	330	27 ft ³	0.77 m ³	2,000	13,790	24	11	
	50 ppm - 1 %				•	•	•		6R	180	3.48 ft ³	98 L	1,800	12,411	2	1
									1P	330	200 ft ³	5.66 m ³	2,000	13,790	140	64
									2P	330	78 ft ³	2.21 m ³	2,000	13,790	76	34
1 % - 5 %				•	•	•		3P	330	33 ft ³	0.93 m ³	2,000	13,790	39	18	
								6P	330	4.29 ft ³	0.12 m ³	2,000	13,790	20	9	
								1I	330	172 ft ³	4.87 m ³	2,000	13,790	70	32	

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



Hydrogen Sulfide *(continued)*

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
Nitrogen	0.5 ppm - 50 ppm	•	•	•	•	•		1I	330	143 ft ³	4.05 m ³	2,000	13,790	70	32
								2I	330	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3I	330	29 ft ³	0.82 m ³	2,000	13,790	24	11
								6I	180	3.64 ft ³	104 L	1,800	12,411	2	1
	50 ppm - 1 %	•	•	•	•	•		1R	330	143 ft ³	4.05 m ³	2,000	13,790	70	32
								2R	330	77 ft ³	2.18 m ³	2,000	13,790	48	22
								3R	330	29 ft ³	0.82 m ³	2,000	13,790	24	11
								6R	180	3.64 ft ³	104 L	1,800	12,411	2	1
	1 % - 5 %		•	•	•	•		1P	330	213 ft ³	6.03 m ³	2,000	13,790	140	64
								2P	330	83 ft ³	2.35 m ³	2,000	13,790	76	34
								3P	330	35 ft ³	0.99 m ³	2,000	13,790	39	18
								6P	330	4.60 ft ³	0.13 m ³	2,000	13,790	20	9

Contents and pressure may vary with concentration and ambient temperature.
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