



# Nitrous Oxide

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*

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 - 10 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	
	10 ppm - 1 %				•	•	•		1A	590	215 ft <sup>3</sup>	6.09 m <sup>3</sup>	2,000	13,790	133	60
									2	590	84 ft <sup>3</sup>	2.38 m <sup>3</sup>	2,000	13,790	74	34
									3	590	36 ft <sup>3</sup>	1.01 m <sup>3</sup>	2,000	13,790	39	18
Nitrogen	1 ppm - 10 ppm			•	•			1R	590	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2R	590	77 ft <sup>3</sup>	2.18 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	3.69 ft <sup>3</sup>	104 L	1,800	12,411	2	1	
	10 ppm - 1 %				•	•	•		1A	590	213 ft <sup>3</sup>	6.03 m <sup>3</sup>	2,000	13,790	133	60
									2	590	83 ft <sup>3</sup>	2.35 m <sup>3</sup>	2,000	13,790	74	34
									3	590	35 ft <sup>3</sup>	0.99 m <sup>3</sup>	2,000	13,790	39	18
							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 Nitrous Oxide, 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](http://www.P65Warnings.ca.gov).

**Key for Matheson Mixtures Grades:**

MR = Matheson Reference Standard  
P = Primary Standard

C+ = Certified Plus Standard  
C = Certified Standard

U = Unanalyzed Standard  
G = Gravimetric Standard