



# Gas Mixtures – Multipurpose Two Component

## Nitrogen Dioxide

Equipment Recommendations	Model No.
Single Stage Regulator	Series 3510-CGA*
Mini High Purity Regulator	Series 3570-180
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	20 ppm - 499 ppm			•	•		•	1R	660	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32	
								2R	660	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22	
								3R	660	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	
	500 ppm - 1 %				•	•	•	•	1R	660	145 ft <sup>3</sup>	4.11 m <sup>3</sup>	2,000	13,790	70	32
									2R	660	78 ft <sup>3</sup>	2.21 m <sup>3</sup>	2,000	13,790	48	22
									3R	660	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
Nitrogen	20 ppm - 100 ppm				•			1R	660	143 ft <sup>3</sup>	4.05 m <sup>3</sup>	2,000	13,790	70	32	
								2R	660	77 ft <sup>3</sup>	2.18 m <sup>3</sup>	2,000	13,790	48	22	
								3R	660	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	

\*Content and pressure will vary proportionately at concentrations > 0.65%  
Certification traceable to NIST SRM

**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