



## Cal-MAT™ Zero Gases Nitrogen, Acid Rain CEM Grade

### Shipping Information

CAS Registry Number: 7727-37-9  
 UN Number: UN 1066  
 DOT Proper Shipping Name: Nitrogen, Compressed  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Nitrogen, Compressed  
 TC Classification: 2.2  
 TC Label: NON-FLAMMABLE GAS,  
 NON-POISONOUS GAS

### Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	lb	kg
1R	580	2,000	13,790	69	31
2R	580	2,000	13,790	48	22
3R	580	2,000	13,790	28	13

Gas Mixtures Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
<b>Cal-MAT™ Nitrogen, CEM Grade</b>	G1169018	1R	144 ft <sup>3</sup>	4.08 m <sup>3</sup>	Dual Stage Reg. Single Stage Reg. Outlet Plug Wrench	Series 3120-580 Series 3530-580 TW-4	299 313 430
<b>99.9995%</b>	G1169047	2R	76 ft <sup>3</sup>	2.15 m <sup>3</sup>			
<i>Guaranteed Specifications</i>	G1169059	3R	29 ft <sup>3</sup>	0.82 m <sup>3</sup>			
Carbon Dioxide <				1 ppm			
Carbon Monoxide <				0.5 ppm			
NOx <				0.1 ppm			
Sulfur Dioxide <				0.1 ppm			
THC <				0.1 ppm			
Water <				1 ppm			
Oxygen <				0.5 ppm			

*A Certificate of Conformance will be provided on request.*

*A lot analysis is available at a nominal charge.*

*See the complete listing of Nitrogen products on pages 48 - 50.*