



Cal-MAT™ Zero Gases

Air, Acid Rain CEM Grade

Matheson can provide all of your zero dilution gas requirements. We provide both Air and Nitrogen that exceed the conformance specification detailed in 40 CFR Part 60. Using Cal-MAT™ Zero Gases ensures that dilution gases are removed as a variable from your calibration process.

Shipping Information

CAS Registry Number: 132259-10-0
 UN Number: UN 1002
 DOT Proper Shipping Name: Air, Compressed
 DOT Classification: 2.2 (Nonflammable Gas)
 DOT Label: NON-FLAMMABLE GAS
 TC Shipping Name: Air, Compressed
 TC Classification: 2.2
 TC Label: NON-FLAMMABLE GAS,
 NON-POISONOUS GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1R	590	2,000	13,790	70	32
2R	590	2,000	13,790	48	22
3R	590	2,000	13,790	24	11

Gas Mixtures Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
Cal-MAT™ Air, CEM Grade	G1105418	1R	144 ft ³	4.08 m ³	Dual Stage Reg. Single Stage Reg. Cyl. Valve Wrench	Series 3120-590 Series 3530-590 TW-4, TW-5	299 313 430
<i>Guaranteed Specifications</i>	G1105447	2R	76 ft ³	2.15 m ³			
Carbon Dioxide < 1 ppm*	G1105459	3R	29 ft ³	0.82 m ³			
Carbon Monoxide < 0.5 ppm							
Nitric Oxide < 0.1 ppm							
Sulfur Dioxide < 0.1 ppm							
THC < 0.1 ppm							
Water < 1 ppm							
Oxygen 20 - 22 %							

* Available with 350 - 400 ppm CO₂. Ask for a quotation.
 A Certificate of Conformance will be provided on request.
 A lot analysis is available at a nominal charge.
 Caution: Not for human consumption.
 See the complete listing of Compressed Air products on pages 4 - 5.