

Air

A colorless, odorless, nonflammable gas.
A synthetic blend of oxygen and nitrogen.

Not for breathing applications.

Grade	%O ₂	H ₂ O	THC	CO ₂	CO	NO _x	SO ₂
Semiconductor ^(#)	20-22	2	0.1	1 ⁽¹⁾	1 ⁽¹⁾		
Continuous Emissions Monitoring (CEM) ⁽²⁾	20-21		0.1	1	0.5	0.1	0.1
Vehicle Emissions Zero	18-21		1	400	1	0.1	
Vehicle Emissions Part 1065	20.5 – 21.5		0.05	10	1	0.02	
Ultra Zero	20-22	2	0.1	1 ⁽¹⁾	1 ⁽¹⁾		
Zero	20-22	3	1				
Dry	20-22	7					

Concentrations given are ppm by volume unless otherwise specified.

Notes

⁽¹⁾Combined CO and CO₂ impurities not to exceed 1 ppm.

⁽²⁾Meets all California B.A.R. 97 specifications.

^(#)Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Semiconductor	300	318	590	AI SM300	2,640	Single-Stage Regulators Y11-N145 * 590 Y11-244 * 590 Two-Stage Regulators Y12-N145 * 590 Y12-244 * 590 Y12-N245 * 590	A = 0-25 B = 0-50 D = 0-100 E = 0-150	E20 E11 E21 E12
	200	238	590	AI SM200	2,200			
Individual or Batch Certificate of Analysis available upon request.								
Continuous Emissions Monitoring (CEM)	300	318	590	AI CZ300	2,640			
	200	238	590	AI CZ200	2,200			
	150A	144	590	AI CZ15A	2,000			
	80A	84	590	AI CZ80A	2,200			
	33A	32	590	AI CZ33A	2,200			
Batch Certificate of Analysis included. Complies with 40 CFR Part 72.2. Meets all California BAR 97 Specifications.								
Vehicle Emissions Zero	300	318	590	AI VE300	2,640			
	200	238	590	AI VE200	2,200			
	150A	144	590	AI VE15A	2,000			
	80A	84	590	AI VE80A	2,200			
	33A	32	590	AI VE33A	2,200			
Individual or Batch Certificate of Analysis available upon request. For use in BAR 97 applications. Complies with 40 CFR Part 86.114-94								
Vehicle Emissions Part 1065	300	318	590	AI VE300	2,640			
	200	238	590	AI VE200	2,200			
	150A	144	590	AI VE15A	2,000			
	80A	84	590	AI VE80A	2,200			
	33A	32	590	AI VE33A	2,200			
Batch Certificate of Analysis included. Complies with 40 CFR Part 1065.750								

* Insert Delivery Pressure Range Code

Air Cont.

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PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Ultra Zero	300	318	590	AI UZ300	2,640			
	200	238	590	AI UZ200	2,200			
	80	94	590	AI UZ80	2,200			
	35	37	590	AI UZ35	2,200			
	Individual or Batch Certificate of Analysis available upon request.							
Zero	300	318	590	AI Z300	2,640	Two-Stage Regulators Y12-N245 * 590 Y12-244 * 590 Single-Stage Regulators Y11-N245 * 590 Y11-244 * 590	A = 0-25 B = 0-50 D = 0-100 E = 0-150	E21 E12
	200	238	590	AI Z200	2,200			
	80	94	590	AI Z80	2,200			
	35	37	590	AI Z35	2,200			
	An individual or batch analysis is available upon request at a nominal charge.							
Dry	300	318	590	AI D300	2,640			E20 E11
	200	238	590	AI D200	2,200			
	80	94	590	AI D80	2,200			
	35	37	590	AI D35	2,200			
	An individual or batch analysis is available upon request at a nominal charge.							

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	28.97
Specific Volume	13.354 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Air, Compressed
ID Number	UN 1002
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas
CAS Registry	N/A

Ask about an Airgas gas generator for use with your FID applications. We offer a wide range of gas generators all with carefully matched components engineered for easy installation, operation, and long-term reliability. With Airgas, you'll find the right gases and equipment for even the most sensitive applications. Pictured is the Airgas TOC-1250 Zero Air Generator.



Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.