



Pure Gases

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Air

Gas Data

Density: 1.200 kg/m³ @ 21.1°C, 101.325 kPa
 0.07493 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.8333 m³/kg @ 21.1°C, 101.325 kPa
 13.35 ft³/lb @ 70°F, 14.696 psia

Shipping Information

CAS Registry Number: 132259-10-0
 UN Number: UN 1002
 ECCN Number: EAR99
 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
1L	590	2,400	16,547	171	78
1A	590	2,200	15,168	149	68
1R	590	2,000	13,790	70	32
2	590	2,000	13,790	80	36
2R	590	2,000	13,790	48	22
3	590	2,000	13,790	41	19
3R	590	2,000	13,790	24	11
LB	170	1,775	12,238	6	3

Gas Grade Purity Specifications

Air, Acid Rain CEM Grade

Guaranteed Specifications

	Product Code	Cylinder Size	Content US	Content Metric
	G1105418	1R	144 ft ³	4.08 m ³
	G1105447	2R	76 ft ³	2.15 m ³
	G1105459	3R	29 ft ³	0.82 m ³
Carbon Dioxide	< 1 ppm*			
Carbon Monoxide	< 0.5 ppm			
NO _x	< 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.

Equipment Recommendations

Dual Stage Reg. Series 3120-590
 Single Stage Reg. Series 3530-590
 Cyl. Valve Wrench TW-4, TW-5

Air, VOC Free

Guaranteed Specifications

	Product Code	Cylinder Size	Content US	Content Metric
	G1105818	1R	144 ft ³	4.08 m ³
	G1105847	2R	76 ft ³	2.15 m ³
	G1105859	3R	29 ft ³	0.82 m ³
Carbon Dioxide	< 0.5 ppm			
Carbon Monoxide	< 0.5 ppm			
THC	< 0.1 ppm			
Total Halocarbons	< 0.02 ppm			
Water	< 2 ppm			
Oxygen	20-22 %			

A Certificate of Conformance will be provided on request.
 A lot analysis is available at a nominal charge.
 Caution: Not for human consumption.

Dual Stage Reg. Series 3120-590
 Single Stage Reg. Series 3530-590
 Cyl. Valve Wrench TW-4, TW-5

Air, Ultra Zero Certified

Guaranteed Specifications

	Product Code	Cylinder Size	Content US	Content Metric
	G2001312	1L	280 ft ³	7.93 m ³
	G2001301	1A	225 ft ³	6.37 m ³
Carbon Dioxide	< 1 ppm	G2001340	2	85 ft ³
Carbon Monoxide	< 1 ppm	G2001350	3	30 ft ³
THC	< 0.1 ppm	G2001375	LB	2 ft ³
Water	< 2 ppm			56 L
Oxygen	20-22 %			

A lot analysis is available on request. Please inquire for individual cylinder analysis.
 Caution: Not for human consumption.
 *Except LB – use TW-5

Dual Stage Reg. Series 3120-590
 Single Stage Reg. Series 3530-590
 LB Regulator Series 3550-170
 Cyl. Valve Wrench TW-4*, TW-5



Air (continued)

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.
Air Zero Enable THC<0.1	G2670867	1L	280 ft ³	7.93 m ³	Dual Stage Reg. Single Stage Reg. Cyl. Valve Wrench	Series 3120-590 Series 3530-590 TW-4
<i>Guaranteed Specifications</i>	G2670868	1A	225 ft ³	6.37 m ³		
THC < 0.1 ppm						
Water < 1 ppm						
<i>A lot analysis is available on request. Please inquire for individual cylinder analysis.</i>						
<i>Caution: Not for human consumption.</i>						
Air Zero Enable THC<1.0	G2670605	1L	280 ft ³	7.93 m ³	Dual Stage Reg. Single Stage Reg. Cyl. Valve Wrench	Series 1250-590 Series 3530-590 TW-4*
<i>Guaranteed Specifications</i>	G2671093	1A	225 ft ³	6.37 m ³		
THC < 1.0 ppm						
Water < 3 ppm						
<i>A lot analysis is available on request. Please inquire for individual cylinder analysis.</i>						
<i>Caution: Not for human consumption.</i>						
Air, Zero Gas	G2001112	1L	280 ft ³	7.93 m ³	Dual Stage Reg. Single Stage Reg. LB Regulator Cyl. Valve Wrench	Series 1250-590 Series 3530-590 Series 3550-170 TW-4*, TW-5
<i>Guaranteed Specifications</i>	G2001101	1A	225 ft ³	6.37 m ³		
THC < 1 ppm	G2001140	2	85 ft ³	2.41 m ³		
Water < 6 ppm	G2001150	3	30 ft ³	0.85 m ³		
CO ₂ < 1 ppm	G2001175	LB	2 ft ³	56 L		
Oxygen 20-22 %	G2001444	1L x 12	3360 ft ³	95.16 m ³		
	G2001538	1L x 6	1680 ft ³	47.58 m ³		
	G2001639	1L x 4	1120 ft ³	31.72 m ³		
<i>A lot analysis is available on request. Please inquire for individual cylinder analysis.</i>						
<i>Caution: Not for human consumption.</i>						
<i>*Except LB – use TW-5</i>						
<i>If CO₂: 350-400 ppm is desired, add an "A" suffix at end of item number.</i>						
Air, Dry	G1105112	1L	280 ft ³	7.93 m ³	Dual Stage Reg. Single Stage Reg. LB Regulator Dual Stage Single Stage Cyl. Valve Wrench	Series 1250-590 Series 3530-590 Series 3550-170 Series 81-590 Series 18-590 TW-4*, TW-5
Water < 6 ppm	G1105101	1A	225 ft ³	6.37 m ³		
	G1105140	2	85 ft ³	2.41 m ³		
	G1105150	3	30 ft ³	0.85 m ³		
	G1105175	LB	2 ft ³	56 L		
<i>A Certificate of Conformance will be provided on request.</i>						
<i>Caution: Not for human consumption.</i>						
<i>*Except LB – use TW-5</i>						

⚠ WARNING: This product can expose you to chemicals including Sulfur Dioxide, 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.

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, 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.