



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	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
Air, Acid Rain 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							
NO _x < 0.1 ppm							
Sulfur Dioxide < 0.1 ppm							
THC < 0.1 ppm							
Water < 1 ppm							
Oxygen 20-22 %							
<i>*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.</i>							
Air, VOC Free	G1105818	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>	G1105847	2R	76 ft ³	2.15 m ³			
Carbon Dioxide < 0.5 ppm	G1105859	3R	29 ft ³	0.82 m ³			
Carbon Monoxide < 0.5 ppm							
THC < 0.01 ppm							
Total VOC < 0.01 ppm							
Water < 2 ppm							
Oxygen 20-22 %							
<i>A Certificate of Conformance will be provided on request. A lot analysis is available at a nominal charge. Caution: Not for human consumption.</i>							
Air, Ultra Zero Certified	G2001312	1L	280 ft ³	7.93 m ³	Dual Stage Reg. Single Stage Reg. LB Regulator Cyl. Valve Wrench	Series 3120-590 Series 3530-590 Series 3550-170 TW-4*, TW-5	299 313 314 430
<i>Guaranteed Specifications</i>	G2001301	1A	225 ft ³	6.37 m ³			
Carbon Dioxide < 1 ppm	G2001340	2	85 ft ³	2.41 m ³			
Carbon Monoxide < 1 ppm	G2001350	3	30 ft ³	0.85 m ³			
THC < 0.1 ppm	G2001375	LB	2 ft ³	56 L			
Water < 2 ppm							
Oxygen 20-22 %							
<i>A lot analysis is available on request. Please inquire for individual cylinder analysis. Caution: Not for human consumption. *Except LB – use TW-5</i>							



Air (continued)

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.	Page No.
			US	Metric			
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	299 313 430
<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*	296 313 430
<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.	Series 1250-590 Series 3530-590	296 313
<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	LB Regulator Cyl. Valve Wrench	Series 3550-170 TW-4*, TW-5	314 430
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.	Series 1250-590 Series 3530-590	296 313
Water < 6 ppm	G1105101	1A	225 ft ³	6.37 m ³			
	G1105140	2	85 ft ³	2.41 m ³	LB Regulator Dual Stage	Series 3550-170 Series 81-590	314 293
	G1105150	3	30 ft ³	0.85 m ³			
	G1105175	LB	2 ft ³	56 L	Single Stage Cyl. Valve Wrench	Series 18-590 TW-4*, TW-5	292 430
<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>							



Chrysalis® II ZERO Air Generator - See page 254 for complete product information.