



### Air

#### Gas Data

Density: 1.200 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
 0.07493 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
 Specific Volume: 0.8333 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
 13.35 ft<sup>3</sup>/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

Carbon Dioxide	<	1 ppm*
Carbon Monoxide	<	0.5 ppm
NO <sub>x</sub>	<	0.1 ppm
Sulfur Dioxide	<	0.1 ppm
THC	<	0.1 ppm
Water	<	1 ppm
Oxygen		20-22 %

\*Available with 350 - 400 ppm CO<sub>2</sub>. 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.

##### Air, VOC Free

##### Guaranteed Specifications

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.

##### Air, Ultra Zero Certified

##### Guaranteed Specifications

Carbon Dioxide	<	1 ppm
Carbon Monoxide	<	1 ppm
THC	<	0.1 ppm
Water	<	2 ppm
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

Equipment Recommendations	Model No.	Page No.
Dual Stage Reg.	Series 3120-590	299
Single Stage Reg.	Series 3530-590	313
Cyl. Valve Wrench	TW-4, TW-5	430
Dual Stage Reg.	Series 3120-590	299
Single Stage Reg.	Series 3530-590	313
Cyl. Valve Wrench	TW-4, TW-5	430
Dual Stage Reg.	Series 3120-590	299
Single Stage Reg.	Series 3530-590	313
LB Regulator	Series 3550-170	314
Cyl. Valve Wrench	TW-4*, TW-5	430



## Air (continued)

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.
<b>Air Zero Enable THC&lt;0.1</b>	G2670867	1L	280 ft <sup>3</sup>	7.93 m <sup>3</sup>	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 <sup>3</sup>	6.37 m <sup>3</sup>			
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>							
<b>Air Zero Enable THC&lt;1.0</b>	G2670605	1L	280 ft <sup>3</sup>	7.93 m <sup>3</sup>	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 <sup>3</sup>	6.37 m <sup>3</sup>			
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>							
<b>Air, Zero Gas</b>	G2001112	1L	280 ft <sup>3</sup>	7.93 m <sup>3</sup>	Dual Stage Reg. Single Stage Reg. LB Regulator Cyl. Valve Wrench	Series 1250-590 Series 3530-590 Series 3550-170 TW-4*, TW-5	296 313 314 430
<i>Guaranteed Specifications</i>	G2001101	1A	225 ft <sup>3</sup>	6.37 m <sup>3</sup>			
THC < 1 ppm	G2001140	2	85 ft <sup>3</sup>	2.41 m <sup>3</sup>			
Water < 6 ppm	G2001150	3	30 ft <sup>3</sup>	0.85 m <sup>3</sup>			
CO <sub>2</sub> < 1 ppm	G2001175	LB	2 ft <sup>3</sup>	56 L			
Oxygen 20-22 %	G2001444	1L x 12	3360 ft <sup>3</sup>	95.16 m <sup>3</sup>			
	G2001538	1L x 6	1680 ft <sup>3</sup>	47.58 m <sup>3</sup>			
	G2001639	1L x 4	1120 ft <sup>3</sup>	31.72 m <sup>3</sup>			
<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 CO<sub>2</sub> 350-400 ppm is desired, add an "A" suffix at end of item number.</i>							
<b>Air, Dry</b>	G1105112	1L	280 ft <sup>3</sup>	7.93 m <sup>3</sup>	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	296 313 314 293 292 430
Water < 6 ppm	G1105101	1A	225 ft <sup>3</sup>	6.37 m <sup>3</sup>			
	G1105140	2	85 ft <sup>3</sup>	2.41 m <sup>3</sup>			
	G1105150	3	30 ft <sup>3</sup>	0.85 m <sup>3</sup>			
	G1105175	LB	2 ft <sup>3</sup>	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>							



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