



46 Neon

Description	
Formula:	Ne
Gas Data	
Molecular Weight:	20.18
Density:	0.8254 kg/m ³ @ 21.1°C, 101.325 kPa 0.05153 lb/ft ³ @ 70°F, 14.696 psia
Specific Volume:	1.212 m ³ /kg @ 21.1°C, 101.325 kPa 19.41 ft ³ /lb @ 70°F, 14.696 psia
Shipping Information	
CAS Registry Number:	7440-01-9
UN Number:	UN 1065
DOT Proper Shipping Name:	Neon, Compressed
DOT Classification:	2.2 (Nonflammable Gas)
DOT Label:	NON-FLAMMABLE GAS
TC Shipping Name:	Neon, 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
1A	580	2,100	14,581	141	64
2	580	850	5,860	76	35
3	580	530	3,654	40	19
4	580	530	3,654	23	11
6	580	1,585	10,928	20	9
7A	580	825	5,688	6	3
7B	580	1,650	11,376	6	3
7	580	225	1,551	6	3
LB	170	825	5,688	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.
Neon, Research Purity 99.9995%	G2693351	1A	212 ft ³	6000 L	Dual Stage Reg. Single Stage Reg. Low Dead Volume Reg. Leak Detector Outlet Plug Wrench	Series 3810-580 Series 3510-580 3590A-580 8066 TW-4	318 312 315 406 430
<i>Typical Analysis</i>	G2164140	2	35 ft ³	1000 L			
Argon < 1 ppm	G2164150	3	9 ft ³	250 L			
Carbon Dioxide < 0.1 ppm	G2164165	4	2.93 ft ³	83 L			
Carbon Monoxide < 0.1 ppm	G2164178	6	3.53 ft ³	100 L			
Methane (THC) < 0.1 ppm	G2164183	7B	1.77 ft ³	50 L			
Nitrogen < 1 ppm	G2164182	7A	0.88 ft ³	25 L			
Oxygen < 0.5 ppm	G2164181	7	0.25 ft ³	7 L			
Water < 1 ppm							
<i>A Certificate of Analysis will be provided with each cylinder at a nominal charge.</i>							
Neon, Ultra High Purity 99.999%	G2692361	1A	212 ft ³	6000 L	Dual Stage Reg. Single Stage Reg. LB Regulator Low Dead Volume Reg. Leak Detector Outlet Plug Wrench	Series 3810-580 Series 3510-580 Series 3570-170 3590A-580 8066 TW-4*	318 312 314 315 406 430
<i>Typical Analysis</i>	G1159240	2	35 ft ³	1000 L			
Argon < 1 ppm	G1159250	3	9 ft ³	250 L			
Carbon Dioxide < 1 ppm	G1159265	4	2.93 ft ³	83 L			
Carbon Monoxide < 1 ppm	G1159275	LB	0.88 ft ³	25 L			
Nitrogen < 4 ppm							
Oxygen < 1 ppm							
THC < 1 ppm							
Water < 5 ppm							
<i>A lot analysis is available upon request. Please inquire for individual cylinder analysis.</i>							
<i>*Except LB</i>							

⚠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.