



Neon

Description

Formula: Ne

Gas Data

Molecular Weight: 20.18
 Density: 0.8254 kg/m³ @ 21.1°C, 101.325 kPa
 0.05153 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 1.212 m³/kg @ 21.1°C, 101.325 kPa
 19.41 ft³/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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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	318
<i>Typical Analysis</i>	G2164140	2	35 ft ³	1000 L		Series 3510-580	312
Argon < 1 ppm	G2164150	3	9 ft ³	250 L		3590A-580	315
Carbon Dioxide < 0.1 ppm	G2164165	4	2.93 ft ³	83 L		8066	406
Carbon Monoxide < 0.1 ppm	G2164178	6	3.53 ft ³	100 L		TW-4	430
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	318
<i>Typical Analysis</i>	G1159240	2	35 ft ³	1000 L		Series 3510-580	312
Argon < 1 ppm	G1159250	3	9 ft ³	250 L		Series 3570-170	314
Carbon Dioxide < 1 ppm	G1159265	4	2.93 ft ³	83 L		3590A-580	315
Carbon Monoxide < 1 ppm	G1159275	LB	0.88 ft ³	25 L		8066	406
Nitrogen < 4 ppm						TW-4*	430
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>							