**Neon**

**Description**
Formula: Ne

**Gas Data**
Molecular Weight: 20.18
Density: 0.8254 kg/m³ @ 21.1°C, 101.325 kPa
Specific Volume: 1.212 m³/kg @ 21.1°C, 101.325 kPa

**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**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Valve Outlet Pressure psig @ 70°F</th>
<th>Pressure kPa @ 21.1°C</th>
<th>Approximate Ship Weight lb</th>
<th>kg</th>
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</thead>
<tbody>
<tr>
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<td>580</td>
<td>2,100</td>
<td>14,581</td>
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<tr>
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<td>LB</td>
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<td>825</td>
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</tr>
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</table>

**Gas Grade Purity Specifications**

### Neon, Research Purity 99.9995%

**Typical Analysis**
- Argon: < 1 ppm
- Carbon Dioxide: < 0.1 ppm
- Carbon Monoxide: < 0.1 ppm
- Methane (THC): < 0.1 ppm
- Nitrogen: < 1 ppm
- Oxygen: < 0.5 ppm
- Water: < 1 ppm

**Equipment Recommendations**
- Dual Stage Reg. Series 3810-580
- Single Stage Reg. Series 3510-580
- Low Dead Volume Reg. Series 3950-A-580
- Leak Detector 8066-406
- Outlet Plug Wrench TW-4

### Neon, Ultra High Purity 99.999%

**Typical Analysis**
- Argon: < 1 ppm
- Carbon Dioxide: < 1 ppm
- Carbon Monoxide: < 1 ppm
- Nitrogen: < 4 ppm
- Oxygen: < 1 ppm
- THC: < 1 ppm
- Water: < 5 ppm

**Equipment Recommendations**
- Dual Stage Reg. Series 3810-580
- Single Stage Reg. Series 3510-580
- LB Regulator Series 3570-170
- Low Dead Volume Reg. Series 3950-A-580
- Leak Detector 8066-406
- Outlet Plug Wrench TW-4

*A Certificate of Analysis will be provided with each cylinder at a nominal charge.

*Except LB

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