

## Neon (Ne)

A colorless, odorless, inert compressed gas.

Grade	% Purity	O <sub>2</sub>	H <sub>2</sub> O	THC	CO	CO <sub>2</sub>	Ar	N <sub>2</sub>	He
Semiconductor <sup>(#)</sup>	99.999	0.5	1	0.5	0.5	0.5	1	2	8
Research	99.999	0.5	1	0.5	0.5	0.5	1	2	8
Ultra High Purity	99.996	2	2	0.5	0.5	0.5	1	10	30

Concentrations given are ppm by volume unless otherwise specified.

### Notes

<sup>(#)</sup>Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents liters	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
Semiconductor	300	7,500	580	NE SM3007500LT	2,400	<b>Two-Stage Regulators</b> Y12-N245 * 580 Y12-244 * 580  <b>Single-Stage Regulators</b> Y11-N245 * 580 Y11-244 * 580	<b>A = 0-25</b> <b>B = 0-50</b> <b>D = 0-100</b> <b>*E = 0-150</b>	E21 E12  E20 E11
	200	6,000	580	NE SM2006000LT	2,200			
Individual or Batch Certificate of Analysis available upon request.								
Research	300	7,500	580	NE R3007500LT	2,400			
	200	6,000	580	NE R2006000LT	2,200			
	80	2,000	580	NE R802000LT	2,200			
	9A	100	580	NE R9A100LT	580			
	LB	50	580	NE RLB50LT	1,900			
Certificate of Analysis included.								
Ultra High Purity (UHP)	300	7,500	580	NE UHP3007500LT	2,400			
	200	6,000	580	NE UHP3006000LT	2,200			
	80	2,000	580	NE UHP802000LT	2,200			
	9A	100	580	NE UHP9A100LT	580			
	LB	50	580	NE UHPLB50LT	1,900			
Individual or Batch Certificate of Analysis available upon request.								
						* Insert Delivery Pressure Range Code		

### Technical Data & Shipping Information

Molecular Weight	20.1797
Specific Volume	19.17 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Neon, Compressed
ID Number	UN 1065
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas
CAS Registry	7440-01-9

## Nitric Oxide (NO)

A colorless, corrosive, poisonous, oxidizing gas.

Grade	Minimum Purity
Ultra High Purity (UHP)	99.9%
Chemically Pure (CP)	99.5%

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents ft <sup>3</sup>	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
<b>Ultra High Purity (UHP)</b>	150A	53	660	NC UHP15A	500	<b>Two-Stage Regulator</b> Y12-C445 * 660  <b>Single-Stage Regulator</b> Y11-C444 * 660  <b>Cross Purge</b> Y99-CPA4 * 660	<b>A=0-30</b> <b>B=0-60</b> <b>D=0-100</b>	<b>E28</b>  <b>E27</b>  <b>E50</b>
	Certificate of Conformance is available upon request.							
<b>Chemically Pure (CP)</b>	200	53	660	NC CP200	500	<b>Two-Stage Regulator</b> Y12-C445 * 660  <b>Single-Stage Regulator</b> Y11-C444 * 660  <b>Cross Purge</b> Y99-CPA4 * 660	<b>A=0-30</b> <b>B=0-60</b> <b>D=0-100</b>	<b>E28</b>  <b>E27</b>  <b>E50</b>
	35	8	660	NC CP35	500			
Certificate of Conformance is available upon request.								

\* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	30.0061
Specific Volume	12.89 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Nonflammable
U.S. DOT Name	Nitric Oxide, Compressed
ID Number	UN 1660
U.S. DOT Hazard Class	2.3, 5.1, 8
U.S. DOT Label	Inhalation Hazard, Oxidizer, Corrosive
CAS Registry	10102-43-9