

Pure Gases

Neon (Ne)

A colorless, odorless, inert gas.

Purity Specifications	Minimum Purity	O ₂	H ₂ O	THC	CO	CO ₂	Ar	N ₂	He
Research	99.999%	< 0.5	< 1	< 0.5	< 0.5	< 0.5	< 1	< 2	< 8
Ultra High Purity (UHP)	99.996%	< 2	< 2	< 0.5	< 0.5	< 0.5	< 1	< 10	< 30

Concentrations given are ppm by volume unless otherwise specified.

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	
Research	300	7,600	580	NE R300LT	2,400	Two-Stage Regulators Y12-N145 * 580 Y12-244 * 580 Single-Stage Regulators Y11-N145 * 580 Y11-244 * 580	A = 0-25 B = 0-50 D = 0-100 E = 0-150	E14 E11	
	200	6,000	580	NE R200LT	2,200				
	80	2,000	580	NE R80LT	1,700				
	9A	100	580	NE R9ALT	750				
	LB	50	180	NE RLB50LT	1,700				
	An individual or batch analysis is available upon request at a nominal charge. Certificate of Conformance provided upon request.								
Ultra High Purity (UHP)	300	7,600	580	NE UHP300LT	2,400		Single-Stage Regulators Y11-N145 * 580 Y11-244 * 580	A = 0-25 B = 0-50 D = 0-100 E = 0-150	E13 E10
	200	6,000	580	NE UHP200LT	2,200				
	80	2,000	580	NE UHP80LT	1,700				
	9A	100	580	NE UHP9ALT	750				
	LB	50	580	NE UHPLB50LT	1,700				
	An individual or batch analysis is available upon request at a nominal charge. Certificate of Conformance provided upon request.								

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information	
Molecular Weight	20.18
Specific Volume	19.2 cf/lb @70° F
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