

Neon Ne

Physical Constants of Gas

Molecular Weight 20.183
 Specific Volume 19.23 CF/lb. (1.19 m³/kg)
 Boiling Point -410.9°F (-246.1°C) 1 atm
 Gas Density 70°F 1 atm 0.853 kg/m³

Cylinder Data

CGA Valve Outlet 580, 718
 SCOTTY™ Valve Outlet 180

Shipping Data

Shipping Class 70
 DOT/TC Name Neon, Compressed
 DOT Class 2.2 (Nonflammable Gas)
 TC Class 2.2 (Nontoxic, Nonflammable Gas)
 WHMIS Class A
 DOT Label Nonflammable Gas
 CAS Registry No. 7440-01-9
 UN No./ATA No. UN1065

Safety Information

Neon is an inert gas that does not support life.
 Can cause rapid suffocation.

Specifications									Recommended Equipment			
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page		
			CF	m ³	psig	bar	lbs.	kg				
Research Plus CH ₄ < 0.5 ppm CO < 1 ppm CO ₂ < 1 ppm H ₂ < 1 ppm H ₂ O < 1 ppm He < 8 ppm Kr < 2 ppm N ₂ < 2 ppm O ₂ < 1 ppm	99.999%	49	270	8	2000	138	14	6	Two-Stage Regulator Q1-318B-580	270		
		44	180	5	2000	138	9	4				
		16AL	36	2	1200	83	2	0.9			Single-Stage Regulator Q1-14C-580	275
		7AL	18	0.8	1200	83	0.9	0.4				
		110	4	0.1	1800	124	0.2	0.1	Q1-226-180*	299		
		Research CO < 1 ppm CO ₂ < 1 ppm H ₂ O < 1 ppm O ₂ < 1 ppm	99.996%	49	270	8	2000	138	14	6	Two-Stage Regulator Q1-318B-580	270
				44	180	5	2000	138	9	4		
				16AL	36	2	1200	83	2	0.9	Single-Stage Regulator Q1-14C-580	275
7AL	18			0.8	1200	83	0.9	0.4				
110	4			0.1	1800	124	0.2	0.1	Q1-226-180*	299		

* For SCOTTY 110 cylinder.

Need advice on SCOTT™ equipment to safely deliver gas to your point-of-use? Call our Solutions Center at 800.217.2688.



Did you know?

The first neon sign in America appeared in 1923 when Earle C. Anthony purchased two signs from the French company, Claude Neon, to hang outside his Los Angeles car dealership. Somewhat sedate by today's standards, they simply read, "Packard." French engineer, chemist and inventor, Georges Claude, who cofounded Air Liquide in 1902, displayed the first neon lamp on December 11, 1910 in Paris and was granted a U.S. Patent (1,125,476) for his invention on January 19, 1915.