

Nitric Oxide NO

Synonyms: Nitrogen Oxide, Nitrogen Monoxide

Physical Constants of Gas

Molecular Weight 30.006
 Specific Volume 13 CF/lb. (0.8 m³/kg)
 Boiling Point -241.2°F (-151.8°C) 1 atm
 Gas Density 70°F 1 atm 1.27 kg/m³

Cylinder Data

CGA Valve Outlet 660, 728

Shipping Data

Shipping Class 200
 DOT/TC Name Nitric Oxide, Compressed
 DOT Class ... 2.3 (Poisonous Gas) Hazard Zone A
 TC Class 2.3 (5.1) (8) Toxic Gas (Oxidizer)
 (Corrosive)
 WHMIS Class ACD1AE
 DOT Label Poison Gas, Oxidizer, Corrosive
 CAS Registry No. 10102-43-9
 UN No./ATA No. UN1660

Safety Information

Poisonous gas.
 Can cause severe lung damage.
 May cause eye and skin burns.
 Symptoms may be delayed.
 Vigorously accelerates combustion.
 May be fatal if inhaled.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			CF	m ³	psig	bar	lbs.	kg		
CHEMGAZ 2	Please Inquire									
CHEMGAZ 1	99%	44	53	2	500	35	137	62	Single-Stage Tied-Diaphragm Regulator Q1-217A-660 Cross Purge Assembly Q4-P74-660	272 339
Electronic Grade 3 CO ₂ < 1 ppm H ₂ < 1 ppm H ₂ O < 1 ppm O ₂ < 1 ppm	99.99%	49 44	55 49	2 1	420 420	29 29	147 137	67 62	Application Dependent – Please Inquire	—
Electronic Grade 2 CO ₂ < 10 ppm N ₂ < 200 ppm N ₂ O < 200 ppm THC < 5 ppm	99.95%	49 44	55 49	2 1	420 420	29 29	147 137	67 62	Application Dependent – Please Inquire	—
Electronic Grade 1 CO ₂ < 10 ppm N ₂ < 300 ppm N ₂ O < 600 ppm THC < 10 ppm	99.9%	49 44	55 49	2 1	420 420	29 29	147 137	67 62	Application Dependent – Please Inquire	—

Our SCOTT™ gas delivery equipment is guaranteed to preserve the purity and integrity of your gas. See page 261.