



Nitric Oxide

Description

Formula: NO
 Synonym: Nitrogen(II) Oxide


Gas Data

Molecular Weight: 30.01
 Density: 1.25 kg/m³ @ 21.1°C, 101.325 kPa
 0.0781 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.800 m³/kg @ 21.1°C, 101.325 kPa
 12.8 ft³/lb @ 70°F, 14.696 psia

Safety Information

Permissible Exposure
 Limit (TLV): 25 ppm

Shipping Information

CAS Registry Number: 10102-43-9
 UN Number: UN 1660
 ECCN Number: EAR99
 DOT Proper Shipping Name: Nitric Oxide, Compressed
 DOT Classification: 2.3, Hazard Zone A (gas poisonous by inhalation)
 DOT Label: INHALATION HAZARD 
 OXIDIZER, CORROSIVE GAS
 TC Shipping Name: Nitric Oxide
 TC Classification: 2.3, 5.1, 8
 TC Label: POISON GAS, OXIDIZER, CORROSIVE GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1P	660	500	3,447	136	62
2P	660	500	3,447	75	34
3P	660	500	3,447	39	18
6P	660	500	3,447	20	9
1R	660	500	3,447	62	28

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.																																																																																								
Nitric Oxide, UHP 99.5%	G2659782	1P	56 ft ³	1.59 m ³	Single Stage Reg. Cross Purge Personal Monitor Leak Detector Detector Tube	Series 3610A-660 4774-660 IQ250 8081A 8014-1755A	316 422 398 404 392																																																																																								
	G2659783	1R	38 ft ³	1.1 m ³				<i>Guaranteed Specifications</i>								Nitrous Oxide								Nitrogen								Carbon Dioxide								Water								<i>A Certificate of Conformance will be provided on request.</i>								<i>A lot analysis is available at a nominal charge.</i>								<i>* The impurity specifications are at the date of analysis in the 1P. Certain impurities may increase over time in a steel cylinder.</i>								Nitric Oxide, CP Grade 99%	G1555116	1P	56 ft ³	1.59 m ³	Single Stage Reg. Cross Purge Personal Monitor Leak Detector Detector Tube	Series 3610A-660 4774-660 IQ250 8081A 8014-1755A	316 422 398 404 392	G1555146	2P	20 ft ³	0.57 m ³	G1555157	3P	8 ft ³	0.23 m ³	G1555173	6P	1.2 ft ³	30 L	<i>A Certificate of Conformance will be provided on request.</i>			
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