

# Nitric Oxide NO

ULSI Grade: 99.9%



## Description

Nitric Oxide is a colorless, toxic, non-flammable gas shipped at restricted pressure with a TLV of 25 ppm. It is used in diffusion processes, employing atmospheric furnace systems to grow nitrided gate oxides for gigabit processes. It is also used to grow high quality silicon oxides.

Physical Constants	
Chemical formula	NO
Molecular weight	30.010
Specific volume @ +69.8°F (+21.0°C)	13.0 ft <sup>3</sup> /lb, 0.81 m <sup>3</sup> /kg
Critical pressure	949.4 psia, 64.59 bar
Critical temperature	-135.2°F, -92.9°C
Specific gravity @ 70°F, 1 atm (Air=1)	1.02

Maximum Impurities	
COMPONENT	CONCENTRATION (ppmv)
Carbon Dioxide	<50
Moisture	<20
Nitrogen Dioxide	<100
Nitrous Oxide	<500

Cylinder Specifications*			Contents		Pressure	
Cylinder	Valve Outlet Options*		Cubic Feet	Pounds	PSIG	BAR
2	CGA 660	DISS 728	56	4.3	500	35.5

\*Additional cylinder sizes and/or valve outlets are available.

[www.spectragases.com](http://www.spectragases.com)

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