



## Product Specification

### NITROUS OXIDE ( N<sub>2</sub>O )

**General Characteristics:** A colorless, non-flammable, liquefied and odorless gas.

**Health Hazards:** A simple asphyxiant and an anesthetic, a mild oxidizer.

Gas Grade/Purity	Cylinder Size	Contents	Product Code
Instrumental Min. Purity: 99.5% NO/NO <sub>2</sub> < 1 ppm, CO < 5 ppm, CO <sub>2</sub> < 100 ppm, H <sub>2</sub> O < 10 ppm	44 L	15.5 m <sup>3</sup>	N2O2N5R
	10 L	5.2 m <sup>3</sup>	N2O2N5G
	LB	227 g	N2O2N5LB
C.P. Min. Purity: 98% NO/NO <sub>2</sub> < 2 ppm, CO < 5 ppm, CO <sub>2</sub> < 300 ppm, H <sub>2</sub> O < 67 ppm	44 L	15.5 m <sup>3</sup>	N2O1N8R
	10 L	5.2 m <sup>3</sup>	N2O1N8G
	LB	227 g	N2O1N8LB

### Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
44 L	23 cm x 130 cm approx.	BS 341 No.14	Net content : 15500 L Pressure@70°F: 745 psig
10 L	18 cm x 60 cm approx.	BS 341 No.14	Net content : 5200 L Pressure@70°F: 745 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 227 g Pressure@70°F: 745 psig

### Technical Information

Molecular Weight .....	44.01	Dot Name .....	Nitrous Oxide, Compressed
Specific Volume .....	8.7CF/lb	UN No. ....	UN1070
Fire Potential .....	Oxidizer	Dot Class .....	2.2
TLV-TWA .....	50 ppm (ACGIH 1991-1992)	Dot Label.....	Non-flammable Gas
CGA Valve .....	326	Cas Registry .....	10024-97-2
LB .....	180	Cylinder Pressure @70°F. ....	745 psig