

# PURE GASES

## NITROGEN DIOXIDE NO<sub>2</sub>

**General Characteristics:** A reddish brown, non-flammable and liquefied gas with a detectable odor.

**Health Hazards:** Highly toxic. Causes serious lung damage with a delayed effect.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
<b>C.P.</b> Min. Purity 99.5%	<sup>1</sup> 044	54.5 kg	Stainless-steel high purity single-stage regulator, refer to page 142
	<sup>1</sup> 016	10.0 kg	
	010	5.0 kg	Stainless-steel lecture bottle regulator, refer to page 147
	LB	227 g	

### TECHNICAL INFORMATION

Molecular Weight.....	46.01	Dot Name.....	Dinitrogen Tetroxide Liquefied
Specific Volume.....	4.7CF/lb	UN No.....	UN1067
Fire Potential.....	Highly Oxidizing	Dot Class.....	2.3
TLV-TWA.....	3 ppm (ACGIH 1991-1992)	Dot Label.....	Poison Gas and Oxidizer
CGA Valve.....	660	Cas Registry.....	10102-44-0
LB.....	180	Cylinder Pressure @ 70°F.....	0 psig

1. Available with full length eductor tube and pressurized with Nitrogen

## NITROGEN TRIFLUORIDE NF<sub>3</sub>

- See Electronic Gas Section page 98 -

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

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

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

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
<b>INSTRUMENTAL</b> Min. Purity 99.6% NO/NO <sub>2</sub> < 1 ppm, CO < 5 ppm, CO <sub>2</sub> < 100 ppm, H <sub>2</sub> O < 10 ppm	044	27.2 kg	Double-stage high purity regulator, refer to page 134
	016	9.1 kg	High purity lecture bottle regulator, refer to page 146
	LB	227 g	
NOT FOR DRUG USE. Recommended for use with Atomic Absorbance Spectrophotometers.			For high flow application, special laminated aluminum regulator required, please ask our representative

### 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

For VLSI (5N5) and ELECTRONIC (5N) grade nitrous oxide, see Electronic Gas section page 99.

## OCTAFLUOROCYCLOBUTANE C<sub>4</sub>F<sub>8</sub>

- See Electronic Gas Section page 89 -