



# NITROUS OXIDE (N<sub>2</sub>O) CGA-326

A colorless, odorless, oxidizing liquefied gas.

**Toxicity:** Simple asphyxiant and anesthetic. Contact with liquid can cause cryogenic burns.

**TWA:** 50 ppm (ACGIH)

**Fire Potential:** Mild oxidizer, supports combustion.

**Molecular Weight:** 44.01

Specific Volume at 70°F and 1 atm: 8.74 ft<sup>3</sup>/lb

**DOT Hazard Class:** Nonflammable Gas (2.2)

**DOT ID No.:** UN 1070

**CAS No.:** 10024-97-2

**Compatible Materials:** Non-corrosive; most common structural materials can be used. Some plastic materials may not be acceptable for nitrous oxide service.

**\*Batch Analysis or individual Certificate of Analysis Available at additional nominal charge.**

## NITROUS OXIDE, Medical Grade 2.5

Minimum Purity 99.5%

Order Size	Product Code	Approximate Capacity	Approximate Pressure	Typical Impurities (Molar ppm)
012*	01110012M	4 Pounds	745 P.S.I.	CO < 10 NO < 1.0
025*	01110025M	7 Pounds	745 P.S.I.	Halogen < 1.0
020	01110060M	20 Pounds	745 P.S.I.	NO <sub>2</sub> < 1.0 CO <sub>2</sub> < 300
030	01110122M	30 Pounds	745 P.S.I.	THC < 1.0 NH <sub>3</sub> < 25
056	01110244M	56 Pounds	745 P.S.I.	H <sub>2</sub> O < 7.5 mg/150L
370**	01110370M	370 Pounds	300 P.S.I.	

\*Medical Cylinders with post type valves. \*\* Liquid Container

Meets USP Standards

## REGULATORS

Product Code	Brand	Style	Delivery Pressure P.S.I.	Description
05330210C	Western	Yoke	0-100	Single Stage Medium Duty
05330220C	Western	Std.	0-100	Single Stage Medium Duty

ELECTRONIC GRADE 5.0, ULTRA HIGH PURITY GRADE 4.0 AND CP GRADE 2.6 ARE AVAILABLE BY REQUEST.