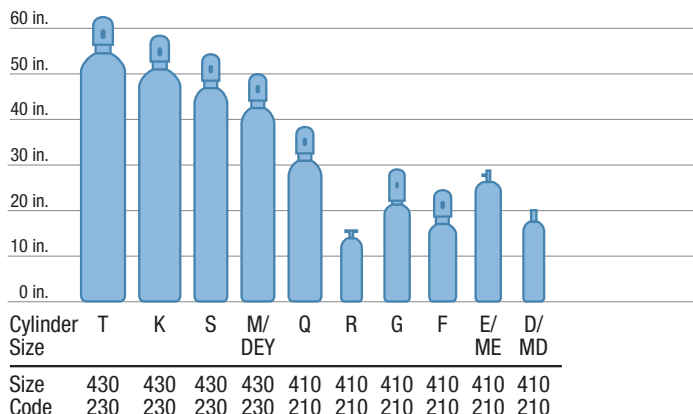


# Nitrous Oxide U.S.P.

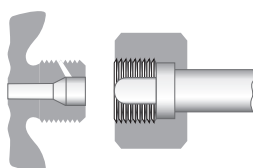
Colorless, oxidizing, liquefied gas with a slightly sweetish taste and odor

## High-Pressure Cylinders



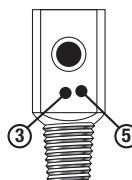
Major Hazards: Fire and High Pressure  
 Toxicity: Nontoxic Anesthetic  
 Fire Potential: Oxidizer  
 Boiling Point (°F): -127.3  
 Molecular Weight: 44.01  
 Specific Gravity: 1.53  
 Critical Temperature (°F): 97.7  
 Critical Pressure (psia): 1052.2  
 Specific Volume (cf/lb): 8.7  
 UN No.: 1070  
**DOT Designation**  
 Name: Nitrous oxide  
 Label: Nonflammable Gas, Oxidizer  
 Hazard Classification: 2.2

### CGA Connection No. 326



Threaded outlet type valves

### CGA Connection No. 910



Post type pin indexed valves

## PURITY SPECIFICATIONS

Purity: Nitrous Oxide  $\geq 99.0\%$   
 Odor: Slightly Sweet

Air  $\leq 1\%$   
 CO<sub>2</sub>  $\leq 300\text{ppm}$   
 NO  $\leq 1\text{ppm}$   
 NO<sub>2</sub>  $\leq 1\text{ppm}$   
 NH<sub>3</sub>  $\leq 25\text{ppm}$   
 Halogens  $\leq 1\text{ppm}$   
 CO  $\leq 10\text{ppm}$   
 H<sub>2</sub>O  $\leq 200\text{ppm}$

## MSDS

P-4636

## CYLINDER SPECIFICATIONS

## Equipment Recommendations

Ordering Number	Cylinder Size	Nominal Contents	Pressure (psig) @ 70°F	CGA Connection	Regulator
NS M-D	M-D	3.9 lb	745	910	WESM1-910-PG
NS M-E	M-E	6.4 lb	745	910	WESM1-910-PG
NS M-20	20 lb	20 lb	745	326	WESM1-326-PG WESM1-326-P
NS M-50	K	50 lb	745	326	WESM1-326-PG WESM1-326-P
NS M-64	K	64 lb	745	326	WESM1-326-PG WESM1-326-P

Color Code:

Shoulder Color: Blue

Body Color: Blue

## Medical Applications

As an analgesic, often in combination with other agents for the production of anesthesia. Nitrous Oxide is also used in cryosurgery.