

Nitrous Oxide (Medical)

Medical Nitrous Oxide USP is a colorless anesthetic gas, with a slightly sweetish odor and taste. It is about one and a half times as heavy as air. Nitrous Oxide is nonflammable, but it is an oxidizer and will support combustion of flammable materials. Nitrous Oxide is not life supporting and can act as an asphyxiant by displacing air.

Description

Formula: N_2O
 Synonyms: Nitrogen Monoxide, Dinitrogen Monoxide, Laughing Gas

Gas Data

Molecular Weight: 44.01
 Density: 1.947 kg/m³ @ 21.1°C, 101.325 kPa
 0.1215 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.5136 m³/kg @ 21.1°C, 101.325 kPa
 8.230 ft³/lb @ 70°F, 14.696 psia

Shipping Information

CAS Registry Number: 10024-97-2
 UN Number: UN 1070
 ECCN Number: EAR99
 DOT Proper Shipping Name: Nitrous Oxide
 DOT Classification: 2.2 (Nonflammable Gas)
 DOT Label: NON-FLAMMABLE GAS,
 OXIDIZER
 TC Shipping Name: Nitrous Oxide, Compressed
 TC Classification: 2.2, 5.1
 TC Label: NON-FLAMMABLE GAS,
 NON-POISONOUS GAS, OXIDIZER

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	Pounds	Liters	
G	56 lbs	13,800	326
M	30 lbs 10 oz	7,447	326
E	6 lbs 7 oz	1,532	910
D	3 lbs 13 oz	883	910

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk.

We can handle virtually any size requirement, from a customer using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.