

## Nitrogen (Medical)

Medical Nitrogen NF is used as a component in many gases mixtures, as a displacement medium for sterile equipment, as a nonoxidizing displacement medium in pharmaceutical vials, as a propellant in pressurized aerosol type dispensers, as a coolant for carbon dioxide surgical lasers and as a source of pressure to power pneumatic medical devices.

### Description

Formula:  $N_2$

### Gas Data

Molecular Weight: 28.01  
 Density: 1.153 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
 0.07199 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
 Specific Volume: 0.8673 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
 13.89 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

### Shipping Information

CAS Registry Number: 7727-37-9  
 UN Number: UN 1066  
 ECCN Number: EAR99  
 DOT Proper Shipping Name: Nitrogen, Compressed  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Nitrogen, Compressed  
 TC Classification: 2.2  
 TC Label: NON-FLAMMABLE GAS,  
 NON-POISONOUS GAS

### Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	Pounds	Liters	
T	20 lbs 3 oz	7,787	580
H	16 lbs 2 oz	6,456	580
M	8 lbs 5 oz	3,200	580
E	1 lb 9oz	597	960
D	15 oz	361	960

***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.***