

Medical Nitrous Oxide



PROPERTIES

PHYSICAL & CHEMICAL



**OPEN
24/7**



Molar mass: 44.013 g/mol
 Melting point: -91°C
 Boiling point (1.013 bar): -88.5°C
 Density of the gas phase (1.013 bar and 15°C): 1.872 kg/m³
 Density of the liquid phase (1.013 bar at boiling point): 1.2228 kg/l
 Gas density (1.013 bar at boiling point): 3.16 kg/m³
 Latent heat of fusion (1.013 bar at triple point): 148.53 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 376.14 kJ/kg
 Critical temperature: 36.4°C
 Critical pressure: 72.45 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.9939

APPLICATIONS:

General anesthesia: usually as an adjunct to other volatile or intravenous anesthetics .

Pain relief: used with oxygen for analgesia in moderately painful procedures, such as dentistry, obstetrics and fractures .

Conscious sedation: effective and safe sedation technique for stress reduction in worried or anxious people .

TECHNICAL INFORMATION

Purities :	Impurities :			
N2O	CO	CO2	NOx	H2O
≥ 98 %	≤ 05 ppm	≤ 300 ppm	≤ 02 ppm	≤ 67 ppm

Conditioning :

GN2O	LN2O
B50	Cryogenic Mobil Tank

European Pharmacopoeia

