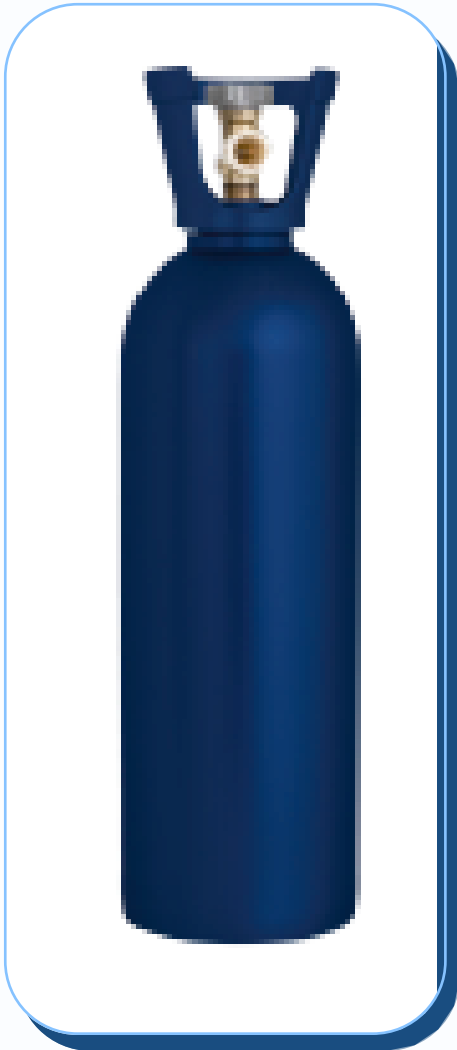


Nitrous Oxide (N₂O)



- Nitrous oxide is non-flammable
- Relief of severe pain
- Medical Nitrous Oxide is a liquefied medicinal gas

Applications:

Relief of severe pain, use in dental work and in cryosurgery as a refrigerant

Color Coding: French blue body with white stencilling

Composition: ≥99.5% of N₂O

Hazards :



UN Nb: 1070

LGI technical Capabilities:

- ◆ *Experience since 1952*
- ◆ *Environmental safe processes*
- ◆ *Main Partners: Afrox, Linde....*
- ◆ *As per South African standard*
- ◆ *Fleet of special delivery trucks (4 delivery vehicles)*
- ◆ *Management of customers' stock and availability at all times*
- ◆ *Cylinder test workshop (testing , cleaning, quality check ,painting)*

Nitrous Oxide



Product information

Cylinder Capacity		Gallons	Cylinder Height (mm)	Cylinder Diameter (mm)
M ³	CUFT			
0.82	29	180	520	100
16.82	594	3700	1560	240

Chemical Properties

Molecular Weight	Specific Volume @ 20°C & 101.325 Kpa
44g/mol	542ml/g

Hazards

- All cylinders are portable gas containers, and must be regarded as pressure vessels at all times
- Nitrous oxide is non-flammable, but readily supports combustion
- Never permit oil, grease or other readily combustible substance to come into contact with high concentrations of nitrous oxide

Uses and Features

- Relief of severe pain, during induction and maintenance of Anaesthesia
- In short-term procedures which inevitably involve pain
- In dental work to provide short-term analgesia
- In cryosurgery as a refrigerant

Handling and Storage

- All cylinders are portable gas containers, and must be regarded as pressure vessels at all times
- Nitrous oxide is non-flammable, but readily supports combustion
- Never permit oil, grease or other readily combustible substance to come into contact with high concentrations of nitrous oxide