



## Medical Air (Air)



- Replacement for atmospheric air
- Odourless, Tasteless , Colourless gas

### Applications:

Use in anaesthesia, use as a power-source, in ventilators and incubators

**Color Coding:** French Grey body, with white & black quadrants on the shoulder of the cylinder

**Composition:** 20,4 - 21,4% O<sub>2</sub> / balance N<sub>2</sub>

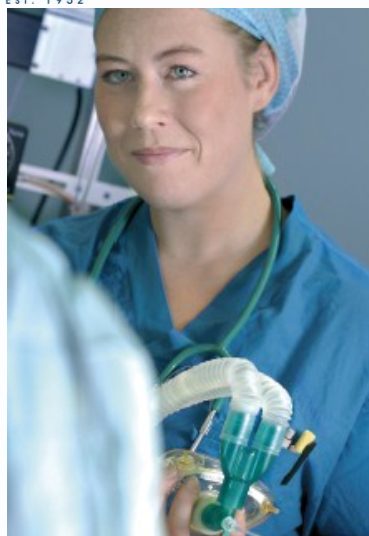


### Hazards :

**UN Nb:** 1002

### 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)*



## Product information

Cylinder Capacity		Cylinder Pressure @ 20°C (Bar)	Cylinder Height (mm)	Cylinder Diameter (mm)
M <sup>3</sup>	CUFT			
3.11	110	140	1300	170
4.25	150	200	940	200
6.80	240	140	1560	240

## Chemical Properties

Molecular Weight	Specific Volume @ 20°C & 101.325 Kpa
N/A	830ml/g

## Hazards

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

## Uses and Features

- Use in anaesthesia as a carrier for volatile anaesthetic agents
- As a power-source for pneumatic equipment
- In ventilators and incubators to provide uncontaminated and controlled air flow

## Handling and Storage

- Do not allow cylinders to slide or come into contact with sharp edges
- Cylinders of air should not be stored near cylinders of acetylene or other combustible gases
- Air cylinders may be stacked horizontally provided that they are firmly secured at each end to prevent rolling
- Prevent dirt, grit of any sort, oil, or any other lubricant from entering the cylinder valves, and store cylinders well clear of any corrosive influence e.g. battery acid
- Compliance with all relevant legislation is essential
- Use a "first in - first out" inventory system to prevent full cylinders from being stored for excessive periods of time
- Keep out of reach of children