

PRODUCT TECHNICAL SHEET MEDICAL AIR (MED. AIR)

DATE: February 2024

Version: 2

Ref. No.: PS104



Medical Air is an odourless, tasteless and colourless gas mixture. Medical Air cylinders are used in replacement for atmospheric air.

Gas Composition

| | |
|----------------------------------|------------------------|
| O₂ | between 20,4% to 21,4% |
| H₂O (Humidity) | ≤ 67 ppm |
| Carbon dioxide | ≤ 500 ppm |
| Carbon Monoxide | ≤ 5 ppm |

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 |

Physical Data

| | |
|------------------------------|---------|
| Specific Volume @20°C | 830ml/g |
|------------------------------|---------|

Transport/ Storage Information



UN No 1002 Class 2.2

| |
|--|
| 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 |
| Use a "first in - first out" inventory system to prevent full cylinders from being stored for excessive periods of time |

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 |



Cylinder Information

| Colour Coding | Cylinder Capacity | | Pressure @ 20°C (Bar) | Cylinder Dimension | | Valve Outlet Connection |
|--|-------------------|------|-----------------------|--------------------|---------------|----------------------------|
| | M ³ | CUFT | | Height (mm) | Diameter (mm) | |
| French Grey body, with white & black quadrants on the shoulder | 0.68 | 24 | 140 | 860 | 110 | 5/8" BSP right hand female |
| | 3.11 | 110 | 140 | 1300 | 170 | |
| | 6.8 | 240 | 140 | 1560 | 240 | |

Nb: Other cylinders capacity and dimension also are available - Dimensions are given as an indication and can differ

Les Gaz Industriels Limited

P.O Box 673, Bell Village, Pailles Road, GRNW, Republic of Mauritius

T (+230) 212 8306, F (+230) 212 0235

E contactus@gaz-industriels.com | www.gaz-industriels.com

BRN : C07000817

Registered Office : 18, Edith Cavell Street, Port-Louis, Mauritius

