

PRODUCT TECHNICAL SHEET MEDICAL AIR (MED. AIR)

DATE: April 2023

Version: 1

Ref. No.: PS104



Medical Air is an odourless, tasteless and colourless gas mixture. Medical air cylinders are used as the independent back-up supply to the pipeline system. Medical Air cylinders are also used in

Gas Composition

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

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
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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" BSPF 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

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