

PRODUCT TECHNICAL SHEET MEDICAL OXYGEN (MED. O₂)

DATE: February 2024

Version: 2



Ref. No.: PSM27



Oxygen is a colourless, odourless and tasteless gas. It is supplied in high pressure steel cylinders. Oxygen as a gas is slightly heavier than air. Oxygen vigorously supports combustion of many materials which will not normally burn in air. Oxygen will also remain for considerable period in clothing.

Physical Data	
Specific Volume @20°C	775.4 l/kg
Molecular Weight	32.0

Gas Specification	
Purity	≥99.5%
H₂O (Humidity)	≤ 67 ppm
Carbon dioxide	≤ 300ppm
Carbon Monoxide	≤ 5ppm

Transport/ Storage Information	
 UN No 1072	 Class 2.2
Do not allow cylinders to slide or come into contact with sharp edges	
Cylinders of Oxygen should not be stored near cylinders of acetylene or other combustible gases.	
First in - First out inventory system	

Hazards
Vigorously supports combustion
All cylinders are portable gas containers and must be regarded as pressure vessels at all times
Never Permit oil, grease or other readily combustible
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

Uses and Features
Widely use for virtually all modern anaesthetics as well as pre- and post operative management.
Oxygen provide life support by restoring tissue oxygen levels
Plays vital role in management of sudden cardiac and respiratory arrest
Oxygen can be use in neo-natal resuscitation



Cylinder Information						
Colour Coding	Cylinder Capacity		Pressure @ 20°C (Bar)	Cylinder Dimension		Valve Outlet Connection
	M ³	CUFT		Height (mm)	Diameter (mm)	
Black Body with a White shoulder	0.42	15	140	520	100	5/8" BSP right hand female
	0.68	24	140	850	100	
	1.02	36	200	600	150	
	1.36	48	140	950	140	
	3.23	114	140	1130	160	
	3.4	120	140	1300	180	
	4.25	150	200	900	210	
	8.5	300	200	1560	200	

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

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