

BREATHE EASY

SCBA/OXYGEN

Ultra Light Weight Air/Oxygen Composite Cylinder



Effortlessly carry your oxygen/breathable air in Time's High Pressure Light Weight versatile portable cylinders



Introduction

TTL Type III Medical grade Oxygen Cylinders are 60% Lighter and Portable than traditional metal cylinders with an innovative design providing striking benefits to users across the healthcare industry.

About Time Tech

TimeTech has been engaged in manufacturing Type-4 composite cylinders for the last 13 years & offering these cylinders to more than 46 countries globally for filling & distribution of LPG. Time Tech is also offering Type -IV Cascades fitted with multiple high pressure Carbon Fiber cylinders for transportation of CNG under the brand "NEX-G" and most preferred choice of CGD companies in India.



Construction of Oxygen Cylinder

1. Carbon Fiber Composite Wrapping
2. Seam less Aluminum Liner
3. Boss thread with high dimensional accuracy
4. Mirror Finish UV Surface Coating
5. Pin Index Or Bull Nose Valve



Type III Composite Cylinder

Tests & Certifications

Stringent Tests



Drop



Leak



Flaw



Cyclic



Extreme Temperature Cycling



High Velocity Impact

Certifications



Features:

- Light Weight & Portable, 60% lighter than metal cylinders.
- Easy Mobility - Most suitable for carrying oxygen/breathing air to high altitude areas for soldiers.
- Clean contamination-free medicated breathing oxygen / air supply.
- Clean Rust-Free external surface; Most suitable for hospitals & ICU rooms.
- Can store 100 % extra breathing oxygen / air as compared to metal cylinders due to higher pressure capacity up to 300 bar as against 150 bar of metal cylinders.
- Long Life.
- Outer surface is protected from environmental effect by glass fiber & special coating.

Specifications:

Cylinder Type	: Type III
Liner Material	: Aluminum Alloy
Winding Material	: Carbon Fiber & Epoxy
Working Pressure	: 300 Bar
Test Pressure	: 450 Bar
Minimum Burst Pressure	: 900 Bar
Neck Thread Size	: M18 X 1.5 P
Applicable Standard	: ISO 11119-2/ EN 12245
Service Life	: Unlimited
Inspection Cycle	: 5 Years

Technical Details

Cylinder Water Capacity (Ltrs)	2	3	4.7	6.8	9
Oxygen/Breathing Air Capacity (Ltrs)	538	821	1275	1840	2440
Cylinder Diameter/Length (mm)	100/401	108/474	132/530	153/568	168/631
Empty Cylinder Weight (kg)	1.6	2.2	3.1	4.4	4.9

Applications



Medical

Fire Fighters



SCUBA



TIME
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