



Specification Data:

Medical Oxygen L6X[®] Composite Cylinders



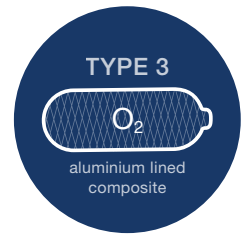
Giving you more
portable solutions

Our cylinders are lightweight, durable, efficient and versatile, enabling greater innovation across the healthcare industry.

L6X[®]

CARBON COMPOSITE

Medical Oxygen Cylinders



Each ultra-lightweight L6X carbon composite medical cylinder has an inner liner made from Luxfer's proprietary L6X aluminium alloy that is strengthened with an aerospace-grade carbon-fibre wrapping that completely surrounds the liner.

Luxfer metallurgists, among the most recognized experts in the industry, developed this corrosion-resistant alloy specifically to provide excellent performance in the most demanding high-pressure applications. Luxfer's L6X proprietary aluminium alloy has been optimized to improve durability, fracture toughness and resistance to tearing and cracking, even under high-pressure loads over long periods.

These extremely durable cylinders initially gained favour with firefighters who use them in self-contained breathing apparatus (SCBA) and are now also widely used by paramedics and other emergency first-responders. Because of their much lighter weight, compact size, higher capacity and excellent portability, Luxfer full-wrap carbon composite medical cylinders are becoming increasingly popular in emergency and pre-hospital care, as well as for home oxygen therapy, in which reduced weight and increased filling capacity provide significant advantages to ambulatory patients

The 50 million cylinders Luxfer have manufactured from L6X alloy continue to have an outstanding record for safe and dependable performance and are widely used in medical institutional applications in more than 50 countries.



Part number	Charging pressure	Length	Diameter	Weight	Water volume	Oxygen capacity	Service life	Type	Thread size
	bar								
M10J	300	293	85	0.85 (avg)	1.0	305	NLL	3	17E
M10T	300	290	85	0.8	1.0	305	15	3	17E
M19T	300	386	101	1.4	2.0	611	15	3	17E
L19C	300	386	101	1.4	2.0	539	15	3	M18
L29C	300	443	114	1.9	3.0	916	15	3	M18

Specifications subject to change. Please contact Luxfer if you want more information about additional sizes.

Diagrams for illustrative purposes only