

Voyage™ for Homecare



Luxfer's high-performance line of oxygen cylinders made from patented L7X® aluminium alloy

Luxfer's exclusive **Voyage** product line consists of all-metal cylinders manufactured from Luxfer's patented, higher-strength L7X® aluminium alloy.

Luxfer currently holds exclusive global patents on two different versions of this alloy and its manufacturing methods (E.U. Patent 0,694,084 and U.S. Patent 5,932,037).

L7X alloy derives its strength, durability and other superior mechanical characteristics not only from its unique formula, but also from a carefully designed heat-treatment procedure.

The main L7X aluminium alloy advantage is significant weight savings compared to standard steel and aluminium cylinders—and **Voyage** cylinders made from L7X use the same filling equipment as conventional cylinders.

Voyage L7X-alloy cylinder benefits

- Charging pressure to 200 bar.
- Up to 40% lighter in weight than conventional steel cylinders.
- Exceptional durability and corrosion resistance.
- Stronger threads reduce damage and wear from valving and devalving.
- Non-magnetic—compatible with MRI and other high-technology medical imaging systems.
- Cost-effective alternative to expensive liquid oxygen (LOX) systems.
- **Voyage** L7X-alloy cylinders use the same filling equipment and connections as conventional cylinders.

Voyage™ oxygen cylinder line made from Luxfer's patented L7X® alloy

Water Capacity Litres	Oxygen Capacity Litres	Charging Pressure bar	Diameter mm	Length mm	Empty Weight kgs	Thread Size	Duration* ¹ (hrs:mins) 2 LPM	Duration* ² (hrs:mins) 3:1 Ratio
1	214	200	75	322	0.8	17E	1:46	5:19
2	427	200	102	360	1.85	17E / 25E	3:33	10:39
5	1066	200	140	473	4.65	17E / 25E	8:53	26:39
10	2132	200	140	930	10	25E	17:46	53:18
15	3198	200	180	821	13.5	25E	26:39	79:57

¹ 2 LPM continuous flow at a rate of 20 breaths per minute

² 3:1 conserving ratio at a rate of 20 breaths per minute

Luxfer Medical products include the world's most comprehensive range of oxygen cylinders from Luxfer Gas Cylinders, the world leader in high-pressure gas containment. Luxfer Medical cylinders are the lightweight alternative to conventional steel cylinders, combining dramatic weight savings with extended gas delivery and exceptional strength and durability. High-performance Luxfer Medical cylinders provide significant benefits not only for oxygen patients, but also for caregivers, respiratory therapists, nurses and emergency medical personnel. For those who regularly handle medical equipment, lightweight Luxfer Medical cylinders are much easier to move and transport, reducing the possibility of job-related injury and stress.



Luxfer Gas Cylinders

Luxfer Gas Cylinders Head Office • Colwick • Nottingham NG4 2BH • UK | Luxfer Gas Cylinders SAS • Rue de L'industrie - B.P. 7, 63360 • Gerzat, France
Tel: +44 (0) 115 980 3800 • Fax: +44 (0) 115 980 3899 | Tel: +33 (0) 4 73 23 64 00 • Fax: +33 (0) 4 73 23 64 01

www.luxfercylinders.com