

Voyage™ for EMS



When seconds count, cylinder weight and capacity can make a crucial difference. That's why Luxfer offers its new Voyage line of higher-capacity cylinders made from patented L7X alloy.

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

Luxfer's *Voyage* product line consists of all-metal cylinders manufactured from Luxfer's exclusive, patented, higher-strength, lighter-weight L7X® aluminum alloy (U.S. Patent 5,932,037).

Luxfer L7X alloy allows higher-pressure filling and significantly more oxygen capacity with no increase in cylinder size or noticeable weight gain. Because L7X-alloy cylinders hold up to 50% more gas, you fill cylinders less frequently and carry much more gas in fewer cylinders.

For example, medical D-size aluminum cylinders are popular for emergency medical service use. Luxfer's L7X-alloy MD22 cylinder has the same dimensions as a standard medical D, but holds the same amount of oxygen as a jumbo D—and it's 33% lighter in weight than a jumbo D. That's a significant benefit to first responders who carry cylinders in emergency situations.

Voyage product line benefits

- 15-year warranty, the best in the industry.
- Charging pressure to 3,000 psi (207 bar).
- Up to 50% more gas capacity.
- Exceptional durability and corrosion resistance.
- Stronger threads reduce damage and wear from valving and devalving.
- Up to 40% lighter in weight than steel cylinders.
- L7X-alloy cylinders use the same filling equipment, connections and carts as conventional cylinders.
- Use *Voyage* cylinders along with existing cylinder fleets.

All *Voyage* products are made and supported by Luxfer, the world's largest manufacturer of high-pressure aluminum and composite cylinders.



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

Luxfer Part Number	Service Pressure		Oxygen Capacity		Outside Diameter		Overall Length		Empty Weight		Internal Volume		Thread Size UNF	Duration* ¹ (hrs:mins)
	psi	bar	cu ft	liters	in	mm	in	mm	lbs	kgs	cu in	liters		
MB08	3000	207	8.2	233	3.2	81	11.8	299	2.2	1.0	65	1.1	0.750-16 UNF-2B	0:15
MC13	3000	207	12.5	354	4.4	111	10.6	270	4.0	1.8	99	1.6	0.750-16 UNF-2B	0:23
MD22	3000	207	21.3	605	4.4	111	16.3	413	5.7	2.6	169	2.8	0.750-16 UNF-2B	0:40
ME36	3000	207	35.0	992	4.4	111	25.3	641	8.3	3.7	277	4.5	0.750-16 UNF-2B	1:06

¹ Duration calculated at 15 LPM (continuous flow) 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.



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