

Journey™ for Homecare



Luxfer's high-performance line of oxygen cylinders made from proprietary L6X® aluminium alloy

Luxfer's *Journey* product line is comprised of all-metal cylinders manufactured from our exclusive L6X® aluminium alloy, a proprietary formula of 6061 alloy. Luxfer metallurgists, among the most recognised experts in the industry, developed this corrosion-resistant blend specifically to provide excellent performance in the most demanding high-pressure applications.

Compared to conventional versions of 6061 alloy, Luxfer's L6X alloy has been optimised to improve durability, fracture toughness and resistance to tearing and cracking, even under high-pressure loads over long periods. Luxfer L6X-alloy cylinders are manufactured to exacting standards and thoroughly tested.

Because of the unique performance characteristics of L6X alloy, only Luxfer has consistently passed all extensive, rigorous testing performed by major global gas companies.

Luxfer *Journey* cylinders are widely used in home oxygen therapy, emergency medical services and medical institutional applications in more than 50 countries.

Luxfer L6X-alloy cylinders meet or exceed requirements set by every major cylinder regulatory authority in the world. The 50 million cylinders Luxfer has manufactured from L6X alloy have an outstanding record for safety and performance.

***Journey* product line benefits**

- Charging pressure to 200 bar.
- Exceptional durability and corrosion resistance.
- Up to 30% lighter in weight than conventional steel cylinders.
- Cost-effective alternative to expensive LOX systems.
- Non-magnetic—compatible with MRI and other high-technology medical imaging systems.

Journey™ oxygen cylinder line made from Luxfer's proprietary L6X® 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
0.5	107	200	70	230	0.72	17E	0:53	2:39
1	214	200	102	240	1.62	17E	1:46	5:19
2	427	200	102	390	2.7	17E	3:33	10:39
3	640	200	111	495	3.7	25E	5:19	15:59
5	1066	200	140	525	6.34	25E	8:53	26:39
5	1066	200	152	460	7.01	25E	8:53	26:39
10	2132	200	140	965	11.4	25E	17:46	53:18
10	2132	200	176	655	12.86	25E	17:46	53:18
15	3198	200	204	735	18.7	25E	26:39	79:57
20	4264	200	204	940	23.4	25E	35:32	106:36
31.5	6716	200	229	1150	35.7	25E	55:57	167:53
50	10660	200	250	1500	56.02	25E	88:50	266:30

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

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