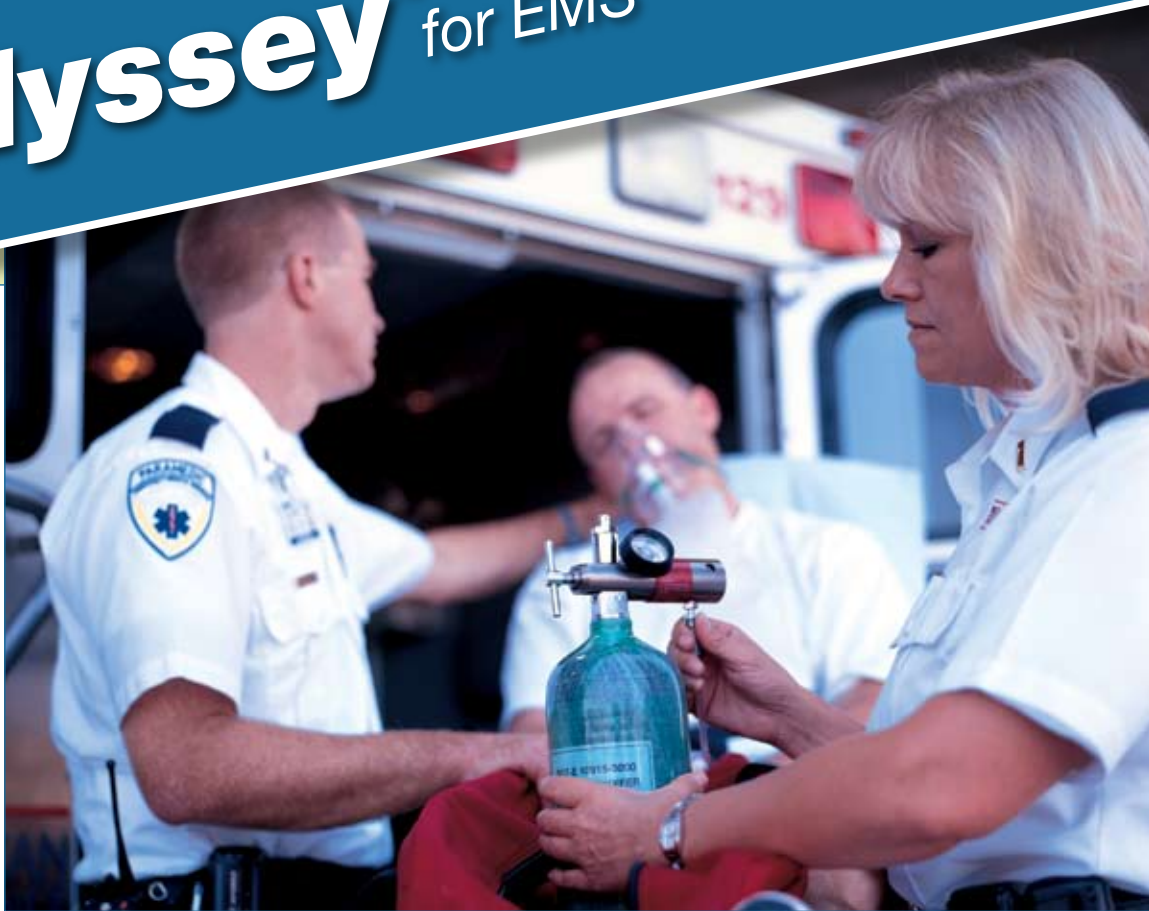


Odyssey™ for EMS



Luxfer's high-performance line of ultra-lightweight carbon composite cylinders for EMS service

Luxfer's *Odyssey* EMS product line features full-wrapped cylinders manufactured with inner liners made from proprietary L6X® aluminum alloy and strengthened with a carbon-fiber wrap that completely surrounds the liner.

Introduced in 1994, Luxfer carbon composite full-wrap cylinders were a major advance in gas-containment technology. The lightest-weight breathing gas cylinders in the world, these extremely durable cylinders quickly gained favor with firefighters who use them in self-contained breathing apparatus (SCBA). Because of their lighter weight, compact size, higher capacity and excellent portability, *Odyssey* full-wrap cylinders are becoming increasingly popular for resuscitation and pain relief in emergency and pre-hospital care.

Odyssey EMS cylinder benefits

- 15-year warranty, the best in the industry.
- Charging pressure to 3,000 psi (207 bar).
- Up to 50% lighter in weight than all-metal aluminum cylinders.
- Up to 70% lighter in weight than conventional steel cylinders.
- Compact, highly portable and convenient to use.
- Extremely durable, corrosion resistant.
- Backed by Luxfer Gas Cylinders, the world's largest manufacturer of high-pressure aluminum and composite cylinders.

Odyssey[™] ultra-lightweight carbon composite cylinders for EMS service

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		
M06D	3000	207	6.4	183	3.3	85	9.9	251	1.5	0.7	51	0.8	0.750-16 UNF-2B	0:12
M09B	3000	207	8.6	244	3.3	84	12.2	310	1.7	0.8	68	1.1	0.750-16 UNF-2B	0:16
M15A	3000	207	15.4	437	4.0	100	14.7	373	2.9	1.3	122	2.0	0.750-16 UNF-2B	0:29
M22A	3000	207	21.6	613	4.5	114	15.5	393	3.3	1.5	171	2.8	0.750-16 UNF-2B	0:41
M24A	3000	207	24.1	684	4.5	114	17.2	435	3.7	1.7	191	3.1	0.750-16 UNF-2B	0:45
M66A	3000	207	66.0	1867	6.8	172	20.7	526	9.3	4.2	521	8.5	0.750-16 UNF-2B	2:04

¹ Duration calculated at 15 LPM (continuous flow) at a rate of 20 breaths per minute

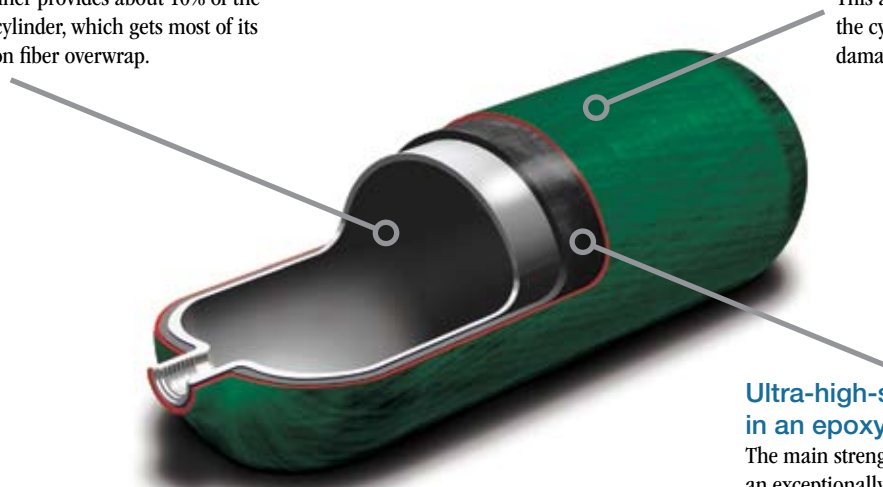
Components of an Odyssey cylinder

Seamless L6X[®] aluminum alloy liner

This ultra-lightweight liner provides about 10% of the strength of the overall cylinder, which gets most of its strength from the carbon fiber overwrap.

Extra outer layer of glass fiber

This additional fiber layer on the outside of the cylinder adds extra resistance to wear, damage and corrosion.



Ultra-high-strength carbon fibers in an epoxy matrix

The main strength of the cylinder is provided by an exceptionally strong carbon-fiber wrap that encompasses the liner all around.



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