

# Scuba tanks



*'There is scarcely anything in the world that some man cannot make a little worse, and sell a little more cheaply. The person who buys on price alone is this man's lawful prey.'*  
—John Ruskin

## When choosing a scuba tank, consider 'the Luxfer difference'

All cylinder companies and their products are *not* alike. Consider these advantages you'll gain by choosing a Luxfer scuba tank:

**Only Luxfer** is truly an international cylinder company with manufacturing facilities around the world. Founded in 1898, Luxfer *invented* the aluminum scuba tank in 1958, working directly with Jacques Cousteau and other scuba pioneers. Luxfer is now the world's largest manufacturer of high-pressure aluminum and composite cylinders. The Luxfer brand is known and respected worldwide.

**Only Luxfer** makes high-pressure cylinders from L6X®, our own proprietary version of 6061 aluminum alloy that is ideal for scuba tanks. Luxfer metallurgists, among the most recognized 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 unique L6X alloy is optimized to improve durability, fracture toughness and resistance to tearing and cracking, even under high-pressure loads over long periods.

**Only Luxfer** offers the 4,500-psi, fiberglass-reinforced *Luxfer Limited*, the world's highest-pressure scuba tank. Because this high-tech tank provides more time underwater, it's especially well-suited for cave diving, wreck diving and other extreme underwater activities.

**Only Luxfer** backs its scuba tanks with a full 15-year warranty, the best in the business.

**Only Luxfer** holds numerous worldwide patents related to cylinder and metallurgical technology. In fact, Luxfer is the only cylinder manufacturer with an active, global research and development program—which is why Luxfer is the industry leader in innovation year after year.

**Only Luxfer** offers an active, global *Safety First* program of training and public communication initiatives to promote safe use of all our products, including our scuba tanks.

**Only Luxfer** is actively involved in all major cylinder industry organizations, including the U.S. Compressed Gas Association (CGA), European Industrial Gases Association (EIGA), American Society for Testing and Materials (ASTM), American Society of Mechanical Engineers (ASME), International Standards Organization (ISO), American National Standards Institute (ANSI) and European Cylinder Manufacturer Association (ECMA).

**Only Luxfer** can claim more than a century of proven product quality and business stability. Our company slogan is "Setting the Standard Worldwide"—and we live up to it by adding extra value to every scuba tank we make.



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## Luxfer scuba tanks: product specifications

Part Number	Service Pressure		Air Capacity		Outside Diameter		Overall Length		Empty Weight		Internal Volume		Water Weight		Salt Water Buoyancy				Thread Size UNF		
	psi	bar	cu ft	liters	in	mm	in	mm	lbs	kgs	cu in	liters	lbs	kgs	Full	Half	Empty	Empty			
<b>S006</b>	3000	207	6.1	172.8	3.2	81.4	11.1	282.6	2.5	1.2	54	0.9	1.9	0.9	-1.4	-0.6	-1.1	-0.5	-0.9	-0.4	0.750-14 NPSM
<b>S13S</b>	3000	207	13.2	373.8	4.4	111.1	13.1	333.4	6.0	2.7	116	1.9	4.2	1.9	-1.7	-0.8	-1.2	-0.6	-0.7	-0.3	0.750-14 NPSM
<b>S014</b>	2015	139	13.7	388.0	4.4	111.1	16.2	411.1	4.9	2.2	172	2.8	6.2	2.8	0.8	0.4	1.3	0.6	1.8	0.8	0.750-14 NPSM
<b>S019</b>	3000	207	19.9	563.6	4.4	111.1	18.6	471.4	8.2	3.7	175	2.9	6.3	2.9	-1.4	-0.6	-0.6	-0.3	0.1	0.1	0.750-14 NPSM
<b>S030</b>	3000	207	30.0	849.6	4.4	123.8	21.9	555.0	11.6	5.3	263	4.3	9.5	4.3	-1.0	-0.5	0.1	0.1	1.2	0.6	0.750-14 NPSM
<b>S040</b>	3000	207	40.0	1132.8	5.3	133.4	24.6	628.7	15.3	6.9	350	5.7	12.6	5.7	-0.7	-0.3	0.8	0.4	2.3	1.0	0.750-14 NPSM
<b>S050</b>	3000	207	48.4	1370.7	6.9	175.0	19.0	482.6	21.2	9.6	424	6.9	15.3	6.9	-2.3	-1.0	-0.5	-0.2	1.4	0.6	0.750-14 NPSM
<b>S063</b>	3000	207	63.0	1784.4	7.3	184.2	21.9	555.0	26.7	12.1	552	9.0	19.9	9.0	-2.2	-1.0	0.2	0.1	2.6	1.2	0.750-14 NPSM
<b>S072</b>	3000	207	69.6	1971.1	6.9	175.0	26.0	660.4	28.5	12.9	610	10.0	22.0	10.0	-1.4	-0.6	1.2	0.6	3.8	1.7	0.750-14 NPSM
<b>S080</b>	3000	207	77.4	2192.0	7.3	184.2	26.1	661.9	31.4	14.2	678	11.1	24.5	11.1	-1.4	-0.6	1.5	0.7	4.4	2.0	0.750-14 NPSM, M25 x 2.0
<b>S80N</b>	3300	228	77.4	2172.0	7.3	184.2	25.8	655.6	35.4	16.1	630	10.3	22.7	10.3	-5.8	-2.6	-2.9	-1.3	0.1	0.1	0.750-14 NPSM
<b>S100</b>	3300	228	98.8	2798.0	8.0	203.2	26.2	665.7	41.0	18.6	804	13.2	29.0	13.2	-4.4	-2.0	-0.6	-0.3	3.1	1.4	0.750-14 NPSM, M25 x 2.0
<b>S106W</b>	4350	300	105.2	2976.4	7.4	187.7	26.1	661.9	33.8	15.3	678	11.1	24.5	11.1	-4.8	-2.2	-0.9	-0.4	3.1	1.4	0.875-14UNF-2B



**Luxfer:** *Expect more from the leader...*



Luxfer Gas Cylinders • 3016 Kansas Avenue • Riverside, California 92507 USA  
 Tel: 800-764-0366 or 951-684-5110; Fax: 951-781-6598  
[www.luxfercylinders.com](http://www.luxfercylinders.com)