



Giving you more experience

LUXFER GAS CYLINDERS OVERVIEW

Luxfer Gas Cylinders is the most trusted supplier of high-pressure composite and aluminium cylinders, with more than 70 million Luxfer cylinders in service around the world. We operate as a business unit of Luxfer Group (NYSE:LXFR) and we are headquartered in Riverside, California and we have additional manufacturing facilities in Pomona, California; Nottingham, England; Calgary, Canada; and Shanghai, China.

Our primary products and markets include:



LIFE-SUPPORT

Luxfer is the world's leading supplier of the lightest-weight and highest-pressure carbon composite life-support cylinders for SCBA equipment—used by professional firefighters and other emergency response personnel.



ALTERNATIVE FUEL

We offer a market-leading line of both Type 3 (aluminum-lined) and Type 4 (polymer-lined) high-pressure carbon composite cylinders for containment of hydrogen and compressed natural gas (CNG) used in buses, trucks, trains, boats and ulk gas transport solutions.



MEDICAL

We offer a comprehensive range of aluminum and composite cylinders for containment of oxygen and other medical gases used by patients, healthcare facilities and laboratories. Cylinders made from our own proprietary L7X® higher-strength aluminum alloy provide up to 50 percent more gas capacity at higher pressures (4,350 psi or 300 bar) compared to conventional ones.



SPECIALITY GAS

Luxfer invented the aluminum specialty gas cylinder in 1974. These cylinders feature exclusive internal surfaces for containment of high-purity specialty gases used in electronics applications, pharmaceutical manufacturing, environmental monitoring and laboratory applications where gas stability is crucial.



BEVERAGE

Some of our earliest cylinder products were aluminum CO₂ cylinders used to dispense beverages, a global market we still successfully service today. These cylinders are also used for CO₂ fire extinguishers.



AEROSPACE

Luxfer's lightweight carbon composite cylinders are ideally suited to inflate emergency-egress slides in commercial and military aircraft, helicopter floats and life rafts. Our aluminum and composite oxygen cylinders and aluminum fire extinguisher cylinders are standard aerospace equipment. We also make specialized spun-steel breathing cylinders for aviators and parachutists.



SCUBA

We developed the world's first aluminum scuba cylinder in collaboration with scuba pioneer Jacques-Yves Cousteau, inventor of the original Aqua Lung® equipment that revolutionized underwater sports and exploration. In addition to our all-aluminum products, we manufacture the world's only hoop-wrapped composite scuba cylinder, which can be filled to higher pressures than standard tanks.



PERFORMANCE RACING

We also offer a complete range of aluminum and composite cylinders for professional performance racing applications—including nitrous oxide (N₂O) cylinders for engine performance enhancement, nitrogen cylinders for tire inflation and CO₂ cylinders for fire suppression.

A PROVEN HISTORY OF LEADERSHIP AND INNOVATION

