



G-Stor® Go H2

TYPE 4 HYDROGEN CYLINDERS

Luxfer's G-Stor® Go H2 products are the newest entry to our line of lightweight high-pressure hydrogen storage cylinders.



Giving you more
innovation.

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Luxfer's G-Stor® Go H2 products are the leading line of lightweight high-pressure hydrogen-storage cylinders used by a number of the world's largest OEMs that design, develop and manufacture state-of-the-art compressed hydrogen-storage systems for fuel cell and bulk gas transport applications.

The G-Stor® Go H2 advantage is our lightweight Type 4 cylinder technology, resulting in a certified, cost-effective hydrogen storage solution that is ideal for fuel cell transit buses, heavy-duty trucks, vans, bulk gas transport, boats, and trains.

Numerous hydrogen-storage systems fitted with G-Stor® H2 cylinders are operating around the globe. Luxfer provides G-Stor® H2 cylinders for fuel cell transit buses to transit agencies throughout the United States and Europe.

To expand Luxfer's extensive cylinder library, we collaborated with key OEMs in the development and testing of a new Type 4 hydrogen composite cylinder. The result is a robust, fully-tested cylinder design that ready to be integrated into your hydrogen storage application.

Benefits of G-Stor® Pro H2

- Lightweight.
- High volume.
- 5,076 psi (350 bar) operating pressure.

Benefits of Hydrogen

- Significantly safer to store than liquid fuels – leaks will disperse into the air instead of on the ground.
- If created by water electrolysis using renewable energy such as solar, then greenhouse gases are eliminated.
- Fuel cell vehicles offer a near-silent operation and reduced maintenance with no moving engine parts.
- Water is the only byproduct from a fuel cell vehicle.



Service pressure	Diameter		Length		H2 Capacity		Weight		Total weight, tank and fuel		Water volume	Boss thread connection	Neck mount	Part #
	in	mm	in	mm	lb	kg	lb	kg	lb	kg				
350	26.2	665.5	93.8	2381	31.97	14.5	388	176	420.0	190.5	614	1.125-12 UNF-2B	Yes	GH2690
350	27.0	685.8	90.8	2306	33.73	15.3	421	191	454.7	206.3	638	1.125-12 UNF-2B	Yes	GH2790
350	27.0	685.8	108.8	2762	42.12	19.1	497	225	539.1	244.1	796	1.125-12 UNF-2B	Yes	GH27108

All cylinders are dual-ported.
Approved pressure relief device must be used for fire protection.
Cylinder specifications are nominal values and are subject to change without notice.