



Composite Overwrapped Pressure Vessel (COPV)

Luxfer's G-Stor® products represent the latest advancement in our line of lightweight, high pressure storage solutions to give you more performance beyond orbit.



Giving you more capability.

G-Stor[®] Space



TYPE 3 & 4 CYLINDERS

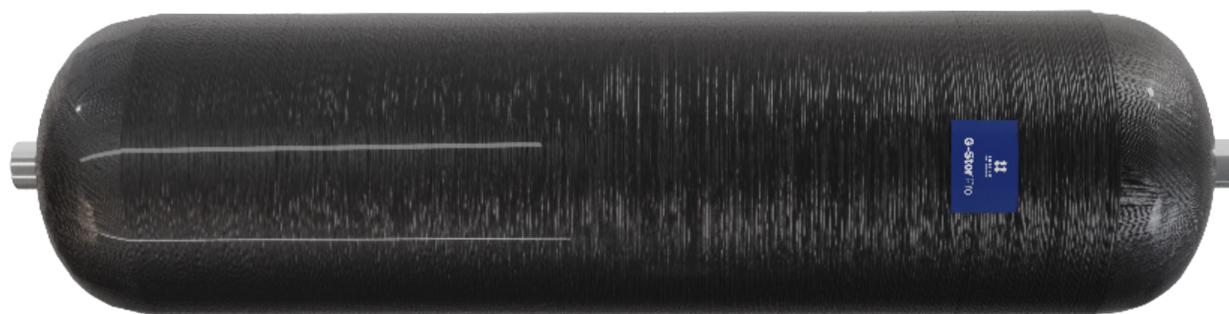
Luxfer's G-Stor[®] Type 3 and Type 4 composite overwrapped pressure vessels (COPVs) deliver exceptional performance for the extreme conditions encountered in modern space missions. Luxfer COPVs offer lightweight efficiency, reliability, and customization required across commercial spacelfight platforms.

We partner closely with spacecraft & launch vehicle integrators to create cost-effective, tailored COPV solutions that meet rigorous safety, mass, and space constraint requirements. With decades of field-proven COPV development, Luxfer provides a broad platform of designs for your COPV needs.

Luxfer's portfolio features a versatile selection of Type 3 and Type 4 cylinders. These DOT-compliant and customizable solutions scale from specialized sub-liter vessels to large-format containers nearing 1,000 liters.

Luxfer space-grade COPVs store nitrogen, helium, gaseous oxygen, and more for:

- Rocket engine and upper-stage propellant pressurization.
- Reaction Control Systems (RCS)
- Inerting
- Storage for long-duration missions



Part #	MEOP	Diameter		Length		Weight		Volume		Boss thread connection
	PSI	in	mm	in	mm	lb	kg	in ³	l	
GS2680	3600	26.2	665.5	93.8	2381	388	176	420.0	190.5	2.000-12 UNF-2B 1.125-12 UNF-2B
GS2690	3600	27.0	685.8	90.8	2306	421	191	454.7	206.3	2.000-12 UNF-2B 1.125-12 UNF-2B
W205	4500	15.9	403	83.1	2110	152.1	69	12510	205	2.000-12 UNF-2B 1.125-12 UNF-2B
W275	4500	15.9	403	108	2743	196.2	89	16782	275	2.000-12 UNF-2B 1.125-12 UNF-2B
Q201	4500	13.0	330	115.4	2932	147.7	67	11961	196	2.000-12 UNF-2B 1.125-12 UNF-2B
Q095	6346	13.4	340	57.4	1458	110.3	50	5633	92.3	2.000-12 UNF-2B 1.125-12 UNF-2B
V285	4500	15.2	387	120	3048	198.5	90	17392	285	2.000-12 UNF-2B 1.125-12 UNF-2B
V060	6346	15.9	404	30.2	767	77.2	35	3661	60	2.000-12 UNF-2B 1.125-12 UNF-2B

All cylinders are dual-ported.
Other sizes and custom cylinder lengths and neck/mounting configurations are available upon request with minimum order.
Cylinder specifications are nominal values and are subject to change without notice.