



Specification Data:
G-Stor® Pro Alternative Fuel Cylinders



Giving you more durability

Available in an extensive range of sizes, G-Stor® Pro cylinders consist of a Luxfer-manufactured aluminum liner fully over-wrapped with aerospace grade carbon fiber.

G-Stor[®] Pro

TYPE 3 CYLINDERS

Luxfer's G-Stor[®] Pro Type 3 composite cylinders are the highest-volume, lightest-weight cylinders in the alternative fuel industry and are designed to reduce overall vehicle curb weight and thereby increasing range. Available in an extensive range of sizes, G-Stor[®] Pro cylinders consist of a Luxfer-manufactured aluminum liner fully over-wrapped with carbon fiber. During a fast fill, the high thermal conductivity of the aluminum liner helps dissipate compression heat, providing a more complete fill every time. Thoroughly tested to applicable global design standards and regulations, G-Stor[®] Pro cylinders are used in a variety of CNG applications around the world such as: transit buses; light, medium and heavy-duty trucks; refuse vehicles and bulk gas transportation modules.

Thanks to our unique liner processing technology, G-Stor[®] Pro cylinders are the highest capacity, lightest-weight Type 3 alternative fuel cylinders in the world. Because they are 66 percent lighter than Type 1 all-steel cylinders,

these Luxfer cylinders offer fleet operators greatly improved fuel economy, extended range and a significant reduction in vehicle maintenance costs due to lessened wear on vehicle brakes, tires and suspension systems. On retrofit applications, using G-Stor[®] Pro cylinders reduces suspension alterations and improves handling.

Benefits of G-Stor[®] Pro

- Highest-volume, lightest-weight composite cylinder in its diameter class.
- Available with Luxfer's exclusive fast-venting, reliable pressure-relief devices (PRDs).
- Zero gas permeability through the cylinder wall.
- Aluminum liner technology provides fast-fill capability, allowing near-complete capacity utilization in less time.

Diameter		Length		CNG capacity		Weight		Total weight, tank and fuel		Water volume	DGE equivalent	GGE equivalent	Neck mount	Part #
in	mm	in	in	ft ³	m ³	lb	kg	lb	kg	l	US gallon	US gallon		
10.8	274	60	1524	717.9	20.3	30.7	27.2	90.4	41	69	5.2	5.8	No	L069
12.7	323	72	1829	1188.6	33.7	106	48.1	156.4	71	114.2	8.6	9.6	No	A1134D
13	330	108.3	2751	1188.6	54.2	125.7	57	156.4	93.8	184	8.6	9.6	Yes	Q184
14.2	361	120	3048	1952.8	72.7	120	79.8	202.7	129.2	246.8	14	15.7	Yes	A2523C
15.2	387	35.4	900	1188.6	21.8	63.9	29	153.4	43.8	74	8.6	9.6	No	V074**
		77.6	1970	1831.2	51.9	125.7	57	203.3	92.2	176	13.2	14.8	Yes	V176
		100.1	2542	2434.7	68.9	167.6	76	270.8	122.8	234	17.5	19.6	Yes	V234
		120	3048	2965.3	84	198.4	90	324.1	147	285	21.3	23.9	Yes	V285
		123.1	3128	3059	86.6	205	93	334.7	151.8	294	22	24.7	Yes	V294
15.9	404	34	864	790.8	22.4	75	34	108.5	49.2	76	5.7	6.4	No	W076
		42	1067	1019.7	28.9	81.6	37	124.8	56.6	98	7.3	8.2	No	W098
		46.5	1181	1178	33.4	100.1	45.4	150	68.1	113.2	8.5	9.5	No	A1159D
		52	1321	1311	37.1	97	44	152.6	69.2	126	9.4	10.6	No	W126
		60.2	1528	1581.6	44.8	117.6	53.4	184.7	83.8	152	11.4	12.8	No	A1586C/W150†
		63.3	1608	1602.5	45.4	126.1	57.2	194	88	154	11.5	12.9	Yes	A1575C
		77.5	1969	2016.4	57.1	147.9	67.1	233.4	105.9	193.8	14.5	16.3	Yes	A1991C
		77.8	1975	2122.6	60.1	153	69.4	243	110.2	204	15.3	17.1	No	A2085D
		80.7	2051	2101.8	59.5	150.9	68.5	240	108.9	202	15.1	16.9	Yes	A2085C/W200†
		83.1	2110	2133	60.4	152.1	69	242.6	110	205	15.3	17.2	Yes	W205
		85.8	2179	2281.8	64.6	169.1	76.7	265.8	120.6	219.3	16.4	18.4	Yes	A2235C
		99.8	2536	2627.2	74.4	183.2	83.1	597.1	270.9	252.5	18.9	21.2	Yes	A2602C/W250M†
		120	3048	3300.6	93.5	230.4	104.5	370.3	168	317.2	23.7	26.6	Yes	A3238C
		120	3048	3396.1	96.2	233.9	106.1	377.9	171.4	326.4	24.4	27.4	No	A3332D
123.1	3126	3362.8	95.2	227.7	103.3	370.3	168	323.2	24.2	27.1	Yes	A3332C/W320†		

All parts have a service pressure of 248 bar. Density of CNG = 0.0424 lb/cu-ft. 1 U.S. gallon of diesel/gasoline = 139/124 scf of CNG. All cylinders are dual-ported, unless otherwise noted, with boss thread connection = 1 1/8 - 12 UNF - 2B. Other sizes and custom cylinder lengths and size configurations are available upon request with minimum order. Approved pressure relief device must be used for fire protection. Cylinder specifications are nominal values and are subject to change without notice.