



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 generated heat from the gas, 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.



LUXFER
GAS CYLINDERS

G-Stor™ Pro Type 3 Cylinders

Thanks to our unique liner processing technology, G-Stor Pro cylinders are the highest capacity, lightest-weight Type 3 AF cylinders in the world.

Because they are 66 percent lighter than Type 1 all-steel cylinders and up to 16 percent lighter than other composite cylinders in the NGV industry, 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 system alterations and improves vehicle handling.

Benefits:

- 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.

Benefits of Compressed Natural Gas:

- Significantly safer to store than liquid fuels – Leaks disperse into the air instead of on the ground.
- Field-proven deployment – There are over 25 million natural gas-powered vehicles and over 30 thousand refueling stations around the world. (Source: ngvglobal.org).
- Sealed systems produce no evaporative emissions.
- Cleanest burning transportation fuel on the market today.
- Renewable Natural Gas (RNG) in the transportation sector is the only solution that is carbon net-negative. This means that carbon emissions are reduced by over 100 percent.

Diameter		Length		CNG capacity		Weight		Total weight, tank and fuel		Water volume	DGE equivalent	GGE equivalent	Neck mount	Part number
in	mm	in	mm	ft³	m³	lb	kg	lb	kg	l	US gallon	US gallon		
10.8	274	60.0	1524	717.9	20.3	30.7	27.2	90.4	41.0	69.0	5.2	5.8	No	L069
12.7	323	72.0	1829	1,188.6	33.7	106.0	48.1	156.4	71.0	114.2	8.6	9.6	No	A1134D
13.0	330	108.3	2751	1,188.6	54.2	125.7	57.0	156.4	93.8	184.0	8.6	9.6	Yes	Q184
14.2	361	120.0	3048	1,952.8	72.7	120.0	79.8	202.7	129.2	246.8	14.0	15.7	Yes	A2523C
15.2	387	35.4	900	1,188.6	21.8	63.9	29.0	153.4	43.8	74.0	8.6	9.6	No	V074**
		77.6	1970	1,831.2	51.9	125.7	57.0	203.3	92.2	176.0	13.2	14.8	Yes	V176
		100.1	2542	2,434.7	68.9	167.6	76.0	270.8	122.8	234.0	17.5	19.6	Yes	V234
		120.0	3048	2,965.3	84.0	198.4	90.0	324.1	147.0	285.0	21.3	23.9	Yes	V285
		123.1	3128	3,059.0	86.6	205.0	93.0	334.7	151.8	294.0	22.0	24.7	Yes	V294
15.9	404	34.0	864	790.8	22.4	75.0	34.0	108.5	49.2	76.0	5.7	6.4	No	W076
		42.0	1067	1,019.7	28.9	81.6	37.0	124.8	56.6	98.0	7.3	8.2	No	W098
		46.5	1181	1,178.0	33.4	100.1	45.4	150.0	68.1	113.2	8.5	9.5	No	A1159D
		52.0	1321	1,311.0	37.1	97.0	44.0	152.6	69.2	126.0	9.4	10.6	No	W126
		60.2	1528	1,581.6	44.8	117.6	53.4	184.7	83.8	152.0	11.4	12.8	No	A1586C/W150†
		63.3	1608	1,602.5	45.4	126.1	57.2	194.0	88.0	154.0	11.5	12.9	Yes	A1575C
		77.5	1969	2,016.4	57.1	147.9	67.1	233.4	105.9	193.8	14.5	16.3	Yes	A1991C
		77.8	1975	2,122.6	60.1	153.0	69.4	243.0	110.2	204.0	15.3	17.1	No	A2085D
		80.7	2051	2,101.8	59.5	150.9	68.5	240.0	108.9	202.0	15.1	16.9	Yes	A2085C/W200†
		83.1	2110	2,133.0	60.4	152.1	69.0	242.6	110.0	205.0	15.3	17.2	Yes	W205
		85.8	2179	2,281.8	64.6	169.1	76.7	265.8	120.6	219.3	16.4	18.4	Yes	A2235C
		99.8	2536	2,627.2	74.4	183.2	83.1	597.1	270.9	252.5	18.9	21.2	Yes	A2602C/W250M†
		120.0	3048	3,300.6	93.5	230.4	104.5	370.3	168.0	317.2	23.7	26.6	Yes	A3238C
		120.0	3048	3,396.1	96.2	233.9	106.1	377.9	171.4	326.4	24.4	27.4	No	A3332D
		123.1	3126	3,362.8	95.2	227.7	103.3	370.3	168.0	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.

Call **+1 800 764 0366** to place your order

or visit **www.luxfercylinders.com** for more information



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