

Type IV Cylinders

The growing interest and demand in natural gas as a vehicular fuel and an alternative energy source for gasoline and diesel driven engines has created opportunity for new ideas and solutions. CP Industries has designed a line of Type IV cylinders for passenger and commercial vehicle on-board CNG storage. These cylinders are tested and qualified in accordance with ANSI/NGV2 (2007) and are FMVSS 304 compliant. Our Type IV on-board cylinders are manufactured with a non-metallic liner wrapped with carbon fiber and have a protective fiberglass overlay.

When weight savings with increased payload and vehicle range are essential, these fully-composite cylinders are your ideal solution. They can be configured in a number of sizes, with or without valves and strap or neck mounts. Our cylinders are capable of high volume per weight ratio but still maintain high durability with safe operation of utmost concern.

CP Industries proudly manufactures the Type IV cylinders in McKeesport, PA, USA.



- Pressure rating 3,600 psi
- Variety of mounts and sizes for versatile installation
- Corrosion free liner reduces maintenance
- Composite wrap combination reduces damage and stress
- Lighter than steel by nearly 75%
- Service life of 20 years
- Light, Medium and Heavy-duty applications

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Type 4 Cylinder Designs

3600 PSI STRAP MOUNTED

Size				Weight		Water Volume		Gas Capacity		Equivalent Gallons	
O.D		Length		lbs.	kg	cu. ft.	liters	scf	scm	gge	dge
in.	mm	in.	mm								
21.0	533	60.0	1524	172.0	78	8.7	246	2577	73.0	20.6	19.1
21.0	533	80.0	2032	233.7	106	12.2	344	3603	102.0	28.8	26.7
21.0	533	120.0	3048	352.7	160	19.1	540	5656	160.2	45.2	41.9
25.5	648	60.0	1524	282.1	128	12.4	351	3673	104.0	29.4	27.2
25.5	648	80.0	2032	365.3	166	17.4	492	5155	146.0	41.2	38.2
25.5	648	90.0	2286	406.9	185	20.9	592	6191	175.3	49.5	45.9
25.5	648	120.0	3048	531.5	241	27.4	774	8117	229.9	64.9	60.1

3600 PSI NECK MOUNTED

Size				Weight		Water Volume		Gas Capacity		Equivalent Gallons	
O.D		Length		lbs.	kg	cu. ft.	liters	scf	scm	gge	dge
in.	mm	in.	mm								
21.0	533	60.0	1524	165.1	75	8.4	238	2492	70.6	19.9	18.5
21.0	533	80.0	2032	223.1	103	11.9	336	3519	99.6	28.2	26.1
21.0	533	120.0	3048	338.4	157	18.8	532	5572	157.8	44.6	41.3
25.5	648	60.0	1524	269.4	122	11.5	325	3408	96.5	27.3	25.2
25.5	648	80.0	2032	352.5	160	16.5	466	4890	138.4	39.1	36.2
25.5	648	90.8	2306	397.2	180	19.0	537	5630	159.4	45.0	41.7
25.5	648	120.0	3048	518.7	235	26.4	748	7823	221.5	62.6	57.9

Key Features:

- Cylinder wrapped in carbon fiber with fiberglass protective overlay
- Entire cylinder resistant to impact
- Bosses are stainless steel and serviceable
- High-density Polyethylene seamless one-piece liner
- All cylinders have 1-1/8" UNF neck thread configuration
- Solenoid and manual valves available
- External PRD available
- All units are leak tested to working pressure
- Service life of 20 years
- ANSI/NGV2(2007) and FMVSS 304 compliant
- Canadian approvals



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