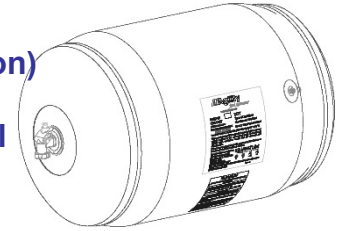


Part Number: 115689 (Canada)
 115689-001, 100, 101 (U.S. Destination)

Part Description: Compressed Natural Gas (CNG) Fuel Storage Cylinder



Product Technical Specifications

General Specifications

Internal Volume	61 ±1.3 Gallons (231 ±5L)
Overall Length @350 psi	39.4" ±0.4" (1001.5 ±9.5mm)
Overall Diameter @3600 psi	24.8" ±0.45" (629.5 ±11.5mm)
Dimension from Valve Boss to Center of First Isolator (-001)	15.3" ±0.1" (388.5 ±1.5mm)
Isolator Center to Center (-001)	9.3" ±0.1" (235 ±3mm)
Maximum Strap Width for Isolators (-001)	4.25" (107.9mm)
Cylinder Mass (115689, -100, -101)	116 ±17 lb (52.7 ±7.7 kg)
Cylinder Mass (-001)	154 ±17 lb (69.7±7.7 kg)
Approved Service Gas	Compressed Natural Gas (CNG)
Service Life	20 Years
Cylinder Construction	Type IV
Cylinder Certifications (115689)	CSA B51-14 Part 2 (See Note 1)
Canadian Registration Number (CRN)	Alberta – Y0373.2*
Cylinder Certifications (-001, -100, -101)	NGV2-2014 (See Note 1)
Service Pressure	3,600 psi (24.8 MPa) @ 70°F (21°C)
Minimum Working Pressure	290 psi (2 MPa)
Cylinder Temperature Range	-40°F (-40°C) to 185°F (85°C)
Color	Black

For Gasoline Gallon Equivalent (GGE), Diesel Gallon Equivalent (DGE) and Standard Cubic Feet (SCF) information for this cylinder refer to the *Quantum CNG Cylinder General Specifications* document.

* Cylinders with a Canadian Registration Number (CRN) have been approved for the indicated jurisdictions. Contact Quantum for any additional approvals.

Note 1: Cylinder may be certified to different versions of the standard depending on the cylinder date of manufacture. Refer to the cylinder label for specific cylinder compliance.

Approved Valves and Pressure Relief Devices (PRD)



Only approved valves and PRD's are to be installed in your Quantum cylinder. Installation of a valve, PRD, or combination of the two components not approved for your cylinder will result in death or serious injury.

Manual Valves:

1. Quantum PN 113858, (PRD included in valve)
2. Quantum PN 112508, (Use with PRD #1)

Automatic Valves:

1. Quantum PN 112520-3, (PRD included in valve)

PRD's

1. Quantum PN 102106 (PRD mounted in valve)

Mechanical Interface

Valve Interface	1 1/8" -12 UNF-2B
Valve Boss Material	Aluminum
Second Valve Interface (if applicable)	N/A

Torque Specifications

Valve Interface (Recommended)	100 Ft.lb. (135 N.m)
Second Valve Interface (if applicable)	N/A

Maintenance Parts

PRD (Manual or Automatic Valves)	Included in Valve
Valve Interface O-Ring	Quantum PN 111409-216
Replacement Certification Label - Dynamic (All)	Contact Quantum Fuel Systems
Replacement Certification Label - Static	Quantum PN 113446
Replacement Warning Label	Quantum PN 113224
Replacement Certification Label - Static (-001)	Quantum PN 113752
Replacement Warning Label (-001)	Quantum PN 113734

Cylinder Brackets

Some jurisdictions require that cylinder manufacturer approved cylinder brackets be used for installation of cylinders.

Bracket Mounting - Use only cylinder brackets produced or approved by Quantum Fuel Systems for mounting your CNG cylinder.

Selection and use of cylinder brackets is the sole responsibility of the installer to ensure the bracket selected will comply with all regulations applicable in the jurisdiction where the vehicle will be operated.

Maintenance Considerations

The CNG cylinder and brackets should be visually inspected for damage and deterioration after a motor vehicle accident or fire, and either:

(a) at least every 12 months when installed on a vehicle with a GVWR greater than 4,536 kg (10,000 lb) or

(b) at least every 36 months or 36,000 miles (60,000 km), whichever comes first, when installed on a vehicle with a GVWR less than or equal to 4,536 kg (10,000 lb).

The frequency and level of inspection may vary based on state and local requirements.

For additional information, refer to the *Type IV Compressed Natural Gas (CNG) Cylinder Installation and Maintenance Guide* available at www.qtw.com.