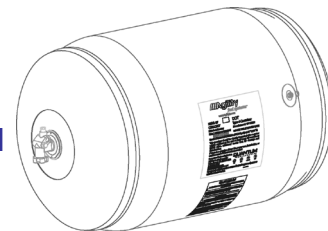


**Part Number:** 115038 (Canada)  
 115038-001 (U.S. Destination)

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



## Product Technical Specifications

### General Specifications

Internal Volume .....	61.7 ±1.5 Gallons (233.5 ±5.5L)
Overall Length @350 psi .....	39.5" ±0.3" (1,003 ±8mm)
Overall Diameter @3500 psi .....	25" ±0.4" (637 ±9mm)
Cylinder Mass .....	118 ±12 lb (53.5 ±5.5 kg)
Approved Service Gas .....	Compressed Natural Gas (CNG)
Service Life .....	20 Years
Cylinder Construction .....	Type IV
Cylinder Certifications (115038) .....	CSA B51-14 Part 2 (See Note 1)
Canadian Registration Number (CRN) .....	BC, Ont, Sask, Mani – K9765.1534*
Cylinder Certifications (115038-001) .....	NGV2-2007
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 113580, (PRD included in valve)
2. Quantum PN 113858, (PRD included in valve)
3. 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 .....	Steel, Nickel plated
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 .....	Contact Quantum Technologies
Replacement Certification Label - Static .....	Quantum PN 113446
Replacement Warning Label .....	Quantum PN 113224

**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**

Inspect the CNG cylinder and brackets every 3 years or 36,000 miles (60,000 km), whichever comes first. 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](http://www.qtw.com).