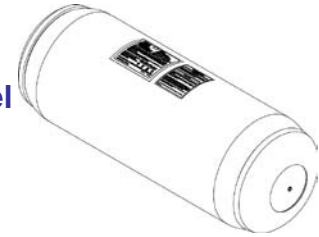


**Part Number:** 112774  
**Part Description:** Compressed Natural Gas (CNG) Fuel Storage Cylinder



**Cylinder no longer available, replaced by cylinder 113508**

**Product Technical Specifications**

**General Specifications**

Internal Volume .....	141 ±1.8 Gallons (534 ±7 L)
Overall Length @350 psi .....	79.4" – 80.1" (2,017mm – 2,034mm)
Overall Diameter @350 psi .....	24.8" – 25.4" (630mm – 644mm)
Cylinder Mass .....	217.8 ±18 lb (98.8 ±8 kg)
Approved Service Gas .....	Compressed Natural Gas (CNG)
Service Life .....	20 Years
Cylinder Construction .....	Type IV
Cylinder Certifications .....	NGV2-07
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.

**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 112508 (Sherwood, PN DFA16650-00HFKP) Use with PRD #1
2. Quantum PN 113058 (Hoke (Youngdo) YNC-2802-1) Use with PRD #2

**Automatic Valves:**

None Approved

**PRD's**

1. Quantum PN 112853 PRD Manifold Assembly  
This PRD is only approved for use with manual valve #1 indicated above.
2. Quantum PN 113130 PRD Manifold Assembly  
This PRD is only approved for use with manual valve #2 indicated above.



The PRD manifold assemblies indicated above **MUST** be built and installed using the specifications and criteria defined on the PRD manifold assembly data sheet for the cylinder and valve combination being used.

The PRD manifold assembly **MUST** be properly secured, if the PRD manifold is not secured the PRD manifold assembly may not operate as intended during a PRD event. Failure of the PRD manifold to operate as intended will result in death or serious injury.

**Electrical Characteristics**

Voltage Range .....	N/A
Nominal Resistance @ 70°F (21°C) .....	N/A
Nominal Current Draw .....	N/A
Peak Current Draw .....	N/A

**Electrical Interface**

Solenoid Connector .....	N/A
Temperature Sensor Connector .....	N/A

**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.)
PRD (#1) Interface .....	47 Ft. lb. (64 N.m.)
Second Valve Interface (if applicable) .....	N/A

**Maintenance Parts**

PRD Interface Sealing Washer (112508 valve) .....	GFI PN P1200-15C
Valve Interface O-Ring .....	Quantum PN 111409-216
PRD Assembly (112508 valve) .....	Quantum PN 112853
PRD Assembly (113058 valve) .....	Quantum PN 113130
Replacement Certification Label .....	Contact Quantum Technologies
Replacement Warning Label .....	Quantum PN 113224

**Cylinder Brackets**

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

Quantum Technologies does not design or produce cylinder brackets and does not endorse the use of any supplier's cylinder brackets.

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 4 Compressed Natural Gas (CNG) Cylinder Installation and Maintenance Guide* available at [WWW.QTWW.COM/QUALITY](http://WWW.QTWW.COM/QUALITY)