

Part Number: 113530
113530-001 w/isolators

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



Product Technical Specifications

General Specifications

Internal Volume	61.8 ±1.1 Gallons (234 ±4 L)
Overall Length @350 psi	39.4" – 39.7" (1000mm – 1008mm)
Overall Diameter @350 psi	24.9" – 25.3" (632mm – 642mm)
Dimension from Valve Boss to Center of First Isolator (113530-001).....	15.2"±0.1" (385.6±1.5mm)
Isolator Center to Center (113530-001)	9.3"±0.1" (235±3mm)
Maximum Strap Width for Isolators (113530-001)	4.25" (107.9mm)
Cylinder Mass (113530)	117 ±7 lb (53 ±3 kg)
Cylinder Mass (113530-001)	152 ±7 lb (69 ±3 kg)
Approved Service Gas	Compressed Natural Gas (CNG)
Service Life	20 Years
Cylinder Construction	Type IV
Cylinder Certifications	NGV2-07
Service Pressure	3600 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 113580 (OMB PN 696UULAGATH) Valve includes PRD.

Automatic Valves:

None Approved

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.)
Second Valve Interface (if applicable)	N/A

Maintenance Parts

Valve Interface O-Ring	Quantum PN 111409-216
Replacement Certification Label	Contact Quantum Technologies
Replacement Warning Label (113530)	Quantum PN 113224
Replacement Warning Label (113530-001)	Quantum PN 113734

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