CNG/LNG ALTERNATE FUEL SYSTEM PRODUCTS

With 50 years of experience, Fluid Controls ® offers high performance instrumentation Connectors, Valves, and Hose Assemblies for CNG/LNG/Alternate Fuel Systems. We provide comprehensive engineering solution from design & engineering to prototyping, manufacturing and onsite installation services. Our Alternate Fuel System products provide leak-proof, torque-free seals for connections, eliminate hazardous leaks and ensure high performance reliability.

CERTIFICATIONS

Compliant to NGV 3.1, ECE R110, ANSI NGV 3.1-2014/CSA 12.3-2014, and ISO 15500.

TESTING

Fluid Controls® has been granted NABL (National Accreditation Board for Testing and Calibration Laboratories) Certification in accordance with ISO/IEC 17025:2017. The accreditation covers the Fluid Controls Performance Testing Laboratory and Metrology Laboratory.

APPLICATIONS

Compressed Natural Gas (CNG) Applications for Vehicles & Fueling Stations
City Gas Distribution (CGD) Applications

ALTERNATE FUEL SYSTEM PRODUCTS

DOUBLE FERRULE CONNECTORS

- Proven Design for Leak-proof Connections
- High Vibration Resistance
- Dry Film Lubrication on nut provides anti-galling/ seize affect & reduces friction between nut and body threads

Application: For Fueling/Defueling Vehicles

Size Range: 1/16”/3MM to 2”/42MM Design

Temperature Rating: -65°F to 450°F (-54°C to 232°C)

Material: Stainless Steel, Carbon steel with Zinc-Ni plating



SINGLE FERRULE CONNECTORS

- Single Ferrule Tube Fittings with “Duplex” Case Hardened Ferrule Design
- Leak-proof Connections
- High Vibration Resistance
- Dry Film Lubrication on Nut for anti-galling/seize affect & for friction reduction between the nut and body threads

Application: For Fueling/Defueling Vehicles

Size Range: 1/4”/6MM to 2”/42MM Design

Temperature Rating: -65°F to 450°F (-54°C to 232°C)

Material: Stainless Steel



ALTERNATE FUEL SYSTEM PRODUCTS

TRUNNION MOUNTING BALL VALVES

- High-pressure Natural Gas Application Valve
- Easy to Operate
- Light Weight
- Low Torque Operation
- Trunnion mounting seat bearings act against seizure and increase valve life

Type: 2-Way/3-Way
Pressures: 6000 psig (414 Bar) / 10,000 psig (689 bar)
Application: For Fueling/Defueling Vehicles
Temperature Rating: -65°F to 400°F (-54°C to 204°C)
Material: Stainless Steel
End connections: Single Ferrule/Double Ferrule/NPT
Thru Bore Size: 1/8"-1/2"



FLOATING BALL VALVES

- Medium-pressure Natural Gas Application Valve
- Easy to Operate
- Provide Low Torque Operation
- ¼ Turn Operation ON-OFF

Type: 2-Way/3-Way
Pressures: 1500 psig (103 Bar) to 6,000 psig (414 bar)
Application: For Fueling/Defueling Vehicles
Seat Material: PTFE/PEEK
Temperature Rating: -65°F to 450°F (-54°C to 232°C)
Material: Stainless Steel, Brass
End Connections: Single Ferrule/Double Ferrule/NPT
Thru Bore Size: 1/16"-1/2" (6mm to 12mm)



NON-RETURN VALVE

Unidirectional Flow Control Valves for Low & High Pressure Natural Gas application

Pressures: 1500 psig (103 Bar) to 6,000 psig (414 bar)
Application: For Fueling/Defueling Vehicles
Temperature Rating: -65°F to 450°F (-54°C to 232°C)
Material: Stainless Steel
End Connections: Single Ferrule/Double Ferrule/NPT



RECEPTACLES

Medium & High Flow capacity to rapidly fill larger fuel tanks

Flow: 5000 CFM
Pressure: 3000 (208 Bar)
Application: For Fueling
Temperature Rating: -40°F to 250°F (-40°C to 121°C)
Material: Stainless Steel
End Connections: Single Ferrule/Double Ferrule/NPT







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