

# CNG/LNG ALTERNATE FUEL SYSTEM PRODUCTS

With over four decades of experience, Fluid Controls<sup>®</sup> 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<sup>®</sup> 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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