

# Bi-Fuel Gas Shutoff Valves

Natural Gas & Propane Fueling Systems



## Product Features:

- Direct pilot operated 2-way normally closed solenoid valve with integral Deutsch connector
- Forged aluminum flange-mount body with multiple pressure or temperature sensor port options
- Designed for use with both CNG and propane gas systems
- Bi-Fuel Gas Shutoff Valves are suitable for many industrial based applications

## Typical Applications:

- Flexible Fuel Gas Systems
- Industrial Natural Gas Engines
- Stationary Power Generation
- Commercial Generator Sets
- Mining, Oil & Gas, Marine, and Industrial Engines



## Product Specifications

<b>Valve Function:</b>	2-Way Normally Closed, Direct Pilot Operated
<b>Media Compatibility:</b>	Ch4 (Methane), C3h8 (Propane) Gas, 50 ppm H2s Max
<b>Orifice Diameter:</b>	1.100±.005" (27.9±0.1Mm), Cv 11.7
<b>Filtration Requirement:</b>	<25 Micron
<b>Pressure Rating:</b>	0 To 230 Psi (0 To 15.8 Bar)
<b>Internal Leakage Capability:</b>	<2 sccm Over Pressure / Temp Range (sccm)
<b>External Leakage Capability:</b>	<200 M <sup>3</sup> /H Per CSA 6.5/Ansi Z21.21 Over Pressure / Temp Range (CSA ANSI)
<b>Temperature Rating (Media):</b>	-40°F To 185°F (-40°C To 85°C)
<b>Temperature Rating (Ambient):</b>	-40°F To 221°F (-40°C To 105°C)
<b>Elastomer Materials:</b>	FKM and HNBR
<b>Voltage:</b>	18 To 32 Vdc (24 VDC Nominal)
<b>PWM Control:</b>	>500 Hz, 2.0 Amp Pulse, 450 milli-Amp Hold (Other options available)
<b>PWM Frequency:</b>	>200 Hz Hold Duty Cycle / Current (Tbc)
<b>Coil Temperature Class:</b>	Nema/UI Class N (200°C)
<b>Coil Noise Suppression:</b>	None (Requirement Tbd)
<b>Coil Thermal Fuse:</b>	None (Requirement Tbd)
<b>Regulatory Approvals:</b>	CSA 22.2 No 213 C1d2, Groups C&D, IP65
<b>Rohs Compliant Materials:</b>	Yes



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### Dimensions

