

GENERAL PURPOSE VALVES



Series 50 >> Model 52

2-Way Normally Closed Valve

Our original mini – engineered for space economy without sacrificing performance. Typical applications include medical, analytical instrumentation. Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials.

- **Tough with options to use in hazardous location environments or low watt applications.**
- **High quality engineering.**

OPERATING CONDITIONS

Media: Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials. (Series 50 pressure ratings may change due to the viscosity of the liquid.)*

Valve Temperature Range: Standard Valves - 0°F (-18°C) to 104°F (40°C) ambient; 0°F (-18°C) to 150°F (65°C) media. Optional Valves - can tolerate much higher or much lower ambient and media temperatures.*

Maximum Operating Pressure Differentials: See table on proceeding page.

Burst Pressure: 5000 PSI

Leakage: Bubble tight for standard valves.

Vacuum: To 5 Microns*

ELECTRICAL CHARACTERISTICS

Coil Voltage: 6.0 to 575V AC 60 HZ. and 5.4 to 515V AC 50 HZ. – 3.0 to 300V DC

Nominal Power: AC – 6.0 Watts, DC – 7.0 Watts

Coil Construction: Molded and potted Class F. (Class H optional)

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.), Brass (Opt.) or Aluminum (Opt.)

Internal Components: Stainless Steel

Elastomers: Nitrile (Buna) (Std.). Many other elastomers available.*

Orifice Diameter: See table on proceeding page.

Porting: Standard 1/8" NPT (other ports available).*

Housing: Grommet and 1/2" NPT conduit - many options available.*

Listings: Most valves are UL and CSA listed.*

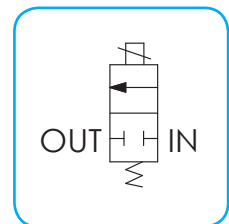
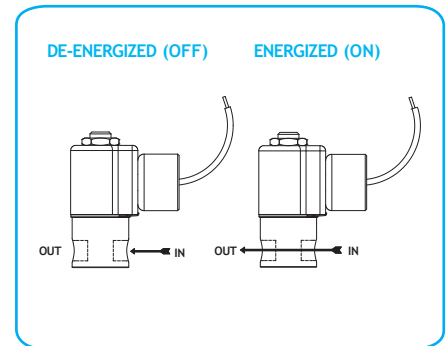
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

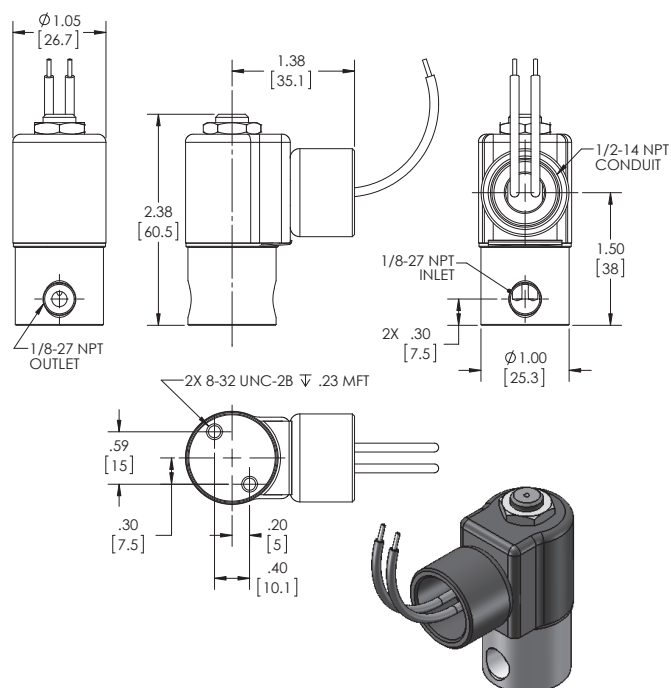
Valve Weight: Grommet Valve: 0.38 lb Conduit Valve: 0.44 lb

Repair Packs: See table on proceeding page.

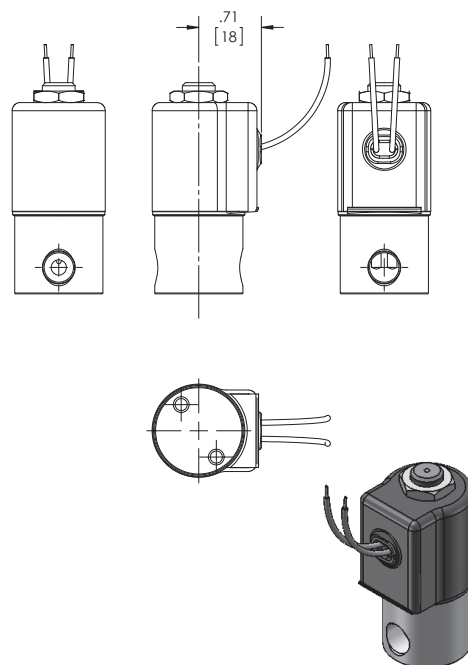
Options: Alternate Port Locations, Metering, Alternate Elastomers, Low Wattage, Spade Terminal Coil and Explosion Proof

* Consult representative or factory for options and specifications.





**SERIES 50
MODEL 52
2WNC
CONDUIT CONNECTION**



**SERIES 50
MODEL 52
2WNC
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		ORIFICE SIZE	CV FACTOR	VALVE NUMBER	
AC	DC			GROMMET HOUSING 1/8 NPT PORTS	CONDUIT HOUSING 1/8 NPT PORTS
500 (1000)*	250 (1000)*	1/32	.022	52G8DGM	52G8DCM
400 (700)*	150 (450)	3/64	.055	52H8DGM	52H8DCM
200 (470)	100 (325)	1/16	.075	52J8DGM	52J8DCM
150 (270)	75 (210)	5/64	.134	52V8DGM	52V8DCM
100 (260)	45(175)	3/32	.156	52K8DGM	52K8DCM
75 (135)	25 (100)	1/8	.230	52N8DGM	52N8DCM
40 50)	10 (20)	5/32	.292	52O8DGM	52O8DCM

* FKM seals not recommended for pressure ratings above 500 PSI.

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (52J8DGM-120/60) REPAIR PACK (K52JDD-AC).