

# GENERAL PURPOSE VALVES



## Series 70 >> Model 76

### 3-Way Multi-Purpose

Super valves that have ratings that formerly required valves of much greater size. Air, water, and other fluids are compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require other seal materials.

- **Largest direct acting (non-piloted) valve we manufacture.**
- **Large orifice.**
- **High flow.**
- **Will operate effectively at very low pressures or vacuum.**

**Note:** This valve also available as an operator. Refer to following page.

## OPERATING CONDITIONS

**Media:** Air, water, and other fluids are compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require other seal materials. (Series 70 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 next page.

**Burst Pressure:** 4,000 PSI

**Leakage:** Bubble tight for standard valves.

**Vacuum:** To 5 Microns\*

## ELECTRICAL CHARACTERISTICS

**Coil Voltage:** 12 to 1150/60, 11 to 1035/50 and 2.5 to 220/DC

**Nominal Power:** AC — 18.0 Watts, DC — 16.0 Watts

**Coil Construction:** Molded (Std.), Non-molded Class A 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.) or Brass (Opt.)

**Internal Components:** Stainless Steel. Copper - AC Only.

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

**Orifice Diameter:** See table on next page.

**Porting:** Standard 1/4" NPT (other ports available).\*

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

**Listings:** Most valves are UL and CSA listed.\*

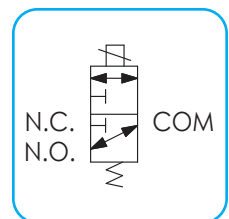
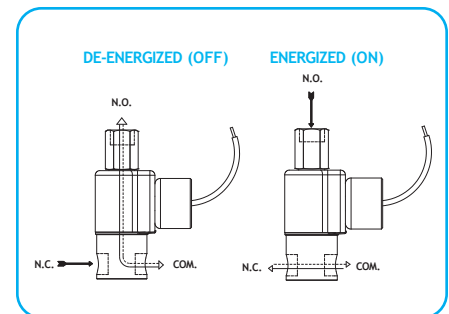
**Life Expectancy:** Millions of cycles, depending on application, lubrication, etc.

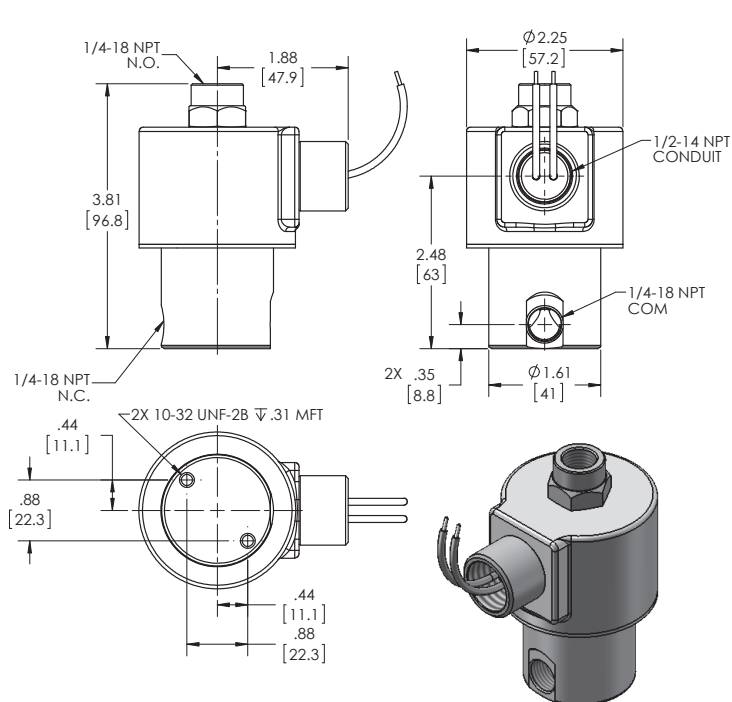
**Valve Weight:** Grommet Valve: 2.00 lb Conduit Valve: 2.06 lb

**Repair Packs:** See table on next page.

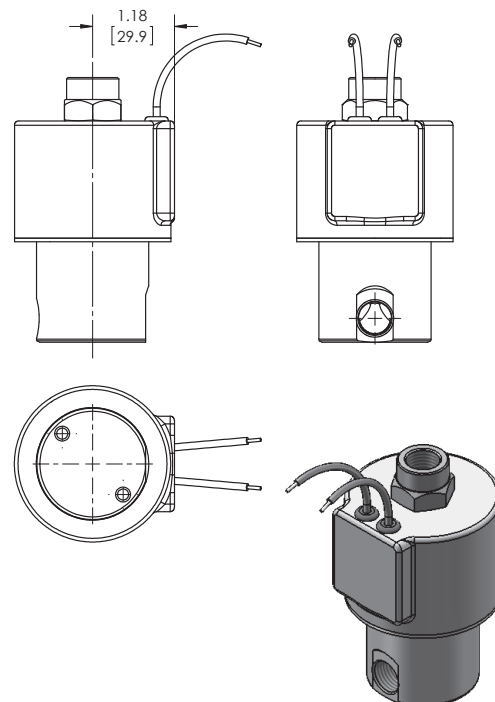
**Options:** Alternate Port Locations, Metering and Alternate Elastomers

\* Consult representative or factory for options and specifications.





**SERIES 70  
MODEL 76 1/4-18 NPT  
3-WAY MULTI-PURPOSE  
CONDUIT CONNECTION**



**SERIES 70  
MODEL 76 1/4-18 NPT  
3-WAY MULTI-PURPOSE  
GROMMET HOUSING WITH LEADS**

## VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		ORIFICE SIZE		CV FACTOR		VALVE NUMBER	
AC	DC	N.C.	N.O.	N.C.	N.O.	GROMMET HOUSING 1/4 NPT PORTS	CONDUIT HOUSING 1/4 NPT PORTS
225	225	1/16	1/16	.09	.09	76JJ9ZGM	76JJ9ZCM
150	150	3/32	3/32	.22	.22	76KK9ZGM	76KK9ZCM
100	100	1/8	1/8	.35	.35	76NN9ZGM	76NN9ZCM
75	75	5/32	5/32	.45	.45	76OO9ZGM	76OO9ZCM
60	60	3/16	3/16	.50	.50	76PP9ZGM	76PP9ZCM

## ORDERING INFORMATION:

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (76KK9ZGM 120/60) REPAIR PACK (K76KKX AC)

WHEN ORDERING OPERATORS ADD THE LETTER "O" TO THE FRONT OF THE VALVE NUMBER, REPLACE BODY PORT NUMBER WITH THE LETTER "D": EXAMPLE: OPERATOR (O76KK9DGM 120/60)