

# SOLENOID VALVES . . .

## SPECIFICATIONS—3-WAY NORMALLY OPEN

### OPERATING CONDITIONS

**Media:** Air, water, and other fluids compatible with standard Buna seals. Hot water, steam gasoline, and many oils require special seal materials - Consult representative or factory.

**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. Consult factory for specifics.

**Maximum Operating Pressure Differentials:** See Catalog listings.

**Burst Pressure:** Series 20, 30, 50 - 5000 PSI Series 70 - 4000 PSI

**Leakage:** Bubble tight for standard valves

**Vacuum:** To 5 Microns - Consult factory

### ELECTRICAL CHARACTERISTICS

**Coil Voltage:** Series 20 - 5 to 825 VAC 50-60 HZ. – 1.8 to 265V DC  
 Series 30 - 5.2 to 650 VAC 50-60 HZ. – 2 to 240V DC  
 Series 50 - 5.4 to 575 VAC 50-60 HZ. – 3.0 to 300V DC  
 Series 70 - 12 to 1050 VAC 50-60 HZ. – 2.5 to 220V DC

#### Nominal Power

Series	D.C.	A.C.	Series	D.C.	A.C.
20	9.5	8.7 Watts	50	7.0	6.0 Watts
30	8.0	8.0 Watts	70	16.0	18.0 Watts

**Coil Construction:** Non-molded Class A, Molded and potted Class F. (Class H optional)

**Typical Response Time on Air:** 4 - 16 Milliseconds—all series

### MECHANICAL CHARACTERISTICS

**Body:** Stainless steel (standard) - Ser. 20, 50, & 70  
 Brass (standard) - Ser. 30  
 Brass (optional) - Ser. 20, 50, & 70 - Consult factory  
 Aluminum (optional) - Ser. 50 & 70 - Consult factory

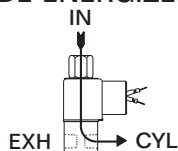
**Orifice Diameter:** See catalog listings

**Porting:** See catalog listings

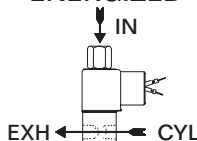
**Housing:** Grommet & ½" NPT conduit - many options available.

**Listings:** Most valves are U.L. and CSA listed - Consult factory for specifics.

#### DE-ENERGIZED



#### ENERGIZED



## OPTIONS AVAILABLE: – 3 WAY NORMALLY OPEN FOR ILLUSTRATED OPTIONS SEE PAGES

HOUSING OPTIONS—see page

STRAIN RELIEF CONNECTOR  
 All Models

SINGLE AUTOMOTIVE  
 All Models except 54

DOUBLE AUTOMOTIVE  
 All Models except 54

“AN” CONNECTOR  
 All Models

SPLICE BOX HOUSING  
 All Models

JIC HOUSING  
 Model 24

YOKE  
 All Models

MOUNTING BRACKET  
 All Models

COIL OPTIONS—see page

MOLDED COIL  
 All Models

THIRD WIRE GROUND  
 All conduit Models

POTTED COIL & HOUSING  
 All Models

SPADE TERMINAL COIL - MOLDED  
 Models 24, 34, 54

SPADE TERMINAL COIL - NON-MOLDED  
 Models 24, 34, 54

HIGH TEMPERATURE MOLDED COIL  
 All Models

EUROPEAN DIN STYLE COIL  
 Models 24, 34

BODY OPTIONS—see page

METERING TO ¼" ORIFICE  
 Models 24, 34, 54

METERING TO ⅜" ORIFICE  
 Model 74

MANUAL OVERRIDE  
 24\*, 74

PORT OPTIONS—see page 50

BOTTOM ORIFICE PORT  
 All Models

BOTTOM CAVITY PORT  
 All Models

PORT 90° LEFT  
 All Models except 54

MANIFOLD MOUNT  
 All Models

FLANGE MOUNT  
 Models 24, 74

PORT 90° RIGHT  
 All Models except 54

MISCELLANEOUS  
 OPTIONS—see page

SILVER SHADING RING  
 All Models

ALUMINUM SHADING RING  
 All Models

BUILT IN MUFFLER  
 All Models

UNIVERSAL MOUNTING BRACKET  
 Models 24, 34, 54

\* Not available over 250 psi

**Note:** Availability of certain options or combination of options may vary with quantity of units ordered - Consult representative or factory.