

SOLENOID VALVES . . .

SPECIFICATIONS—3-WAY DIRECTIONAL CONTROL

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 - Consult factory

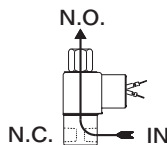
Orifice Diameter: See catalog listings

Porting: See catalog listings

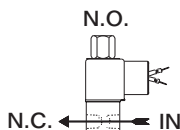
Housing: Grommet & ½" NPT conduit - many options available.

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

DE-ENERGIZED



ENERGIZED



OPTIONS AVAILABLE: – 3 WAY DIRECTIONAL CONTROL

FOR ILLUSTRATED OPTIONS SEE PAGES

HOUSING OPTIONS—see page

STRAIN RELIEF CONNECTOR
All Models

SINGLE AUTOMOTIVE
All Models except 55

DOUBLE AUTOMOTIVE
All Models except 55

“AN” CONNECTOR
All Models

SPLICE BOX HOUSING
All Models

JIC HOUSING
Model 25

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 25, 35, 55

SPADE TERMINAL COIL - NON-MOLDED
Models 25, 35, 55

HIGH TEMPERATURE MOLDED COIL
All Models

EUROPEAN DIN STYLE COIL
Models 25, 35

BODY OPTIONS—see page

METERING TO 1/8" ORIFICE
Models 25, 35, 55

METERING TO 3/16" ORIFICE
Model 75

METERED BYPASS
Model 25

MANUAL OVERRIDE
Models 25*, 75

PORT OPTIONS—see page 50

BOTTOM ORIFICE PORT
All Models

BOTTOM CAVITY PORT
All Models

PORT 90° LEFT
All Models except 55

MANIFOLD MOUNT
All Models

FLANGE MOUNT
Models 25, 75

PORT 90° RIGHT
All Models except 55

MISCELLANEOUS OPTIONS—see page

SILVER SHADING RING
All Models

ALUMINUM SHADING RING
All Models

BUILT IN MUFFLER
All Models

UNIVERSAL MOUNTING BRACKET
Models 25, 35, 55

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

* Not available over 250 psi