

SOLENOID VALVES . . .

SPECIFICATIONS—3-WAY NORMALLY CLOSED

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

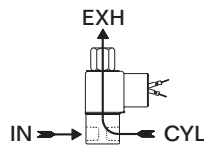
Orifice Diameter: See catalog listings

Porting: See catalog listings

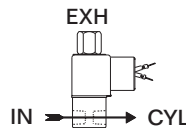
Housing: Grommet & 1/2" NPT conduit - many options available.

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

DE-ENERGIZED



ENERGIZED



OPTIONS AVAILABLE: –

3 WAY NORMALLY CLOSED PIPED EXHAUST FOR ILLUSTRATED OPTIONS SEE PAGES

HOUSING OPTIONS—see page

STRAIN RELIEF CONNECTOR
 All Models

SINGLE AUTOMOTIVE
 All Models except 53

DOUBLE AUTOMOTIVE
 All Models except 53

“AN” CONNECTOR
 All Models

SPLICE BOX HOUSING
 All Models

JIC HOUSING
 Model 23

YOKE
 All Models

MOUNTING BRACKET
 All Models

COIL OPTIONS—see page

MOLDED COIL
 All Models

POTTED COIL & HOUSING
 All Models

THIRD WIRE GROUND
 All conduit Models

SPADE TERMINAL COIL - MOLDED
 Models 23, 33, 53

SPADE TERMINAL COIL - NON-MOLDED
 Models 23, 33, 53

HIGH TEMPERATURE MOLDED COIL
 All Models

EUROPEAN KIN STYLE COIL
 Models 23, 33

BODY OPTIONS—see page 49

METERING TO 1/8 ORIFICE
 Model 23, 33, 53

METERING TO 1/4 ORIFICE
 Model 23, 73

METERED BYPASS Consult Factory
 Model 23

MANUAL OVERRIDE
 Model 23*, 73**

METERED EXH. PORT
 Model 23, 33

PORT OPTIONS—see page

BOTTOM ORIFICE PORT
 All Models

BOTTOM CAVITY PORT
 Model 23, 33, 53, 73**

PORT 90° LEFT
 All Models except 53

MANIFOLD MOUNT
 Model 23**, 33, 53, 73

FLANGE MOUNT
 Models 23**, 73

PORT 90° RIGHT
 All Models except 53

**MISCELLANEOUS
 OPTIONS**—see page

SILVER SHADING RING
 All Models

ALUMINUM SHADING RING
 All Models

BUILT IN MUFFLER
 All Models

UNIVERSAL MOUNTING BRACKET
 Models 23, 33, 53

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

** Not available in 1/4" orifice