

SOLENOID VALVES . . .

SPECIFICATIONS—2-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	7.7 Watts	50	7.0	6.0 Watts
30	8.0	7.0 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, 30, 50, & 70
 Brass (optional) - Ser. 20, 50, & 70 - Consult factory
 Brass (standard) - Ser. 30
 Aluminum (optional) - Ser. 50 - Consult factory

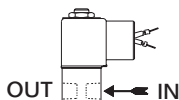
Orifice Diameter: See catalog listings

Porting: See catalog listings

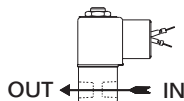
Housing: Grommet & 1/2" NPT conduit - many options available.

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

DE-ENERGIZED



ENERGIZED



OPTIONS AVAILABLE: – 2 WAY NORMALLY CLOSED FOR ILLUSTRATED OPTIONS SEE PAGES XX-XX

HOUSING OPTIONS—see page xx

STRAIN RELIEF CONNECTOR
 All Models

SINGLE AUTOMOTIVE
 All Models except 52

DOUBLE AUTOMOTIVE
 All Models except 52

“AN” CONNECTOR
 All Models

SPLICE BOX HOUSING
 All Models

JIC HOUSING
 Model 22

YOKE
 All Models

MOUNTING BRACKET
 All Models

COIL OPTIONS—see page xx

MOLDED COIL
 All Models

THIRD WIRE GROUND
 All conduit Models

POTTED COIL & HOUSING
 All Models

SPADE TERMINAL COIL - MOLDED
 Models 22, 32, 52

HIGH TEMPERATURE MOLDED COIL
 All Models

EUROPEAN DIN STYLE COIL
 Model 22, 32

BODY OPTIONS—see page xx

METERING TO 1/8 ORIFICE
 Model 22, 32, 52

METERING TO 1/4 ORIFICE
 Model 22, 72

METERED BYPASS
 Model 22

MANUAL OVERRIDE
 Model 22*, 72***†

PORT OPTIONS—see page xx

BOTTOM ORIFICE PORT
 All Models

BOTTOM CAVITY PORT
 Model 22**, 32, 52, 72

PORT 90° LEFT
 Model 22, 32, 72

MANIFOLD MOUNT
 Model 22**, 32, 52, 72

FLANGE MOUNT
 Models 22**, 72

PORT 90° RIGHT
 Model 22, 32, 72

**MISCELLANEOUS
 OPTIONS**—see page xx

SILVER SHADING RING
 All Models

ALUMINUM SHADING RING
 All Models

BUILT IN MUFFLER
 All Models

UNIVERSAL MOUNTING BRACKET
 Models 22, 32, 52, 72

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 & larger

† Not available over 300 psi