

SOLENOID VALVES . . .

SPECIFICATIONS — 2-WAY — 3-WAY EXPLOSION PROOF VALVES

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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 Valve-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: 5000 PSI

Leakage: Bubble tight for standard valves

Vacuum: To 5 Microns - Consult factory

ELECTRICAL CHARACTERISTICS

Coil Voltage: 5 to 825 VAC 50-60 HZ - 1.8 to 265V DC

Nominal Power:	<u>Wattage</u>
	<u>A.C. 7.3 Watts</u>
	<u>D.C. 9.5 Watts</u>

Coil Construction: Molded coil and third wire ground (standard)

Typical Response Time on Air: 4-16 Milliseconds

MECHANICAL CHARACTERISTICS

Body: Stainless steel

Orifice Diameter: See catalog listings

Porting: See catalog listings

Housing: 1/2" NPT conduit

Listings: Valves are U.L. Listed and CSA Certified for Hazardous Locations—Class I, Div 1, Group C and D - Class II, Div 1, Groups E, F, and G; Div 2 Groups A,B,C,D,E,F, AND G.

OPTIONS AVAILABLE — 2-WAY — 3-WAY EXPLOSION PROOF

FOR ILLUSTRATED OPTIONS SEE PAGES 47-51

HOUSING OPTIONS – see page 47	METERED BYPASS Models E22, E23	MISCELLANEOUS Options – see page 51
MOUNTING BRACKET All Models	MANUAL OVERRIDE All Models*	SILVER SHADING RING All Models
COIL OPTIONS – see page 48	METERED EXHAUST PORT Model E23	ALUMINUM SHADING RING All Models
MOLDED COIL Standard	PORT OPTIONS – see page 50	BUILT IN MUFFLER All Models
POTTED COIL & HOUSING All models	BOTTOM ORIFICE PORT Models E22**, E23**	Note: Availability of certain options or combination of options may vary with quantity of units ordered – consult representative or factory.
HIGH TEMPERATURE MOLDED COIL All Models	BOTTOM CAVITY PORT Models E22**, E23**	
THIRD WIRE GROUND All Models	PORT 90° LEFT Models E22, E23	* Not available over 250 psi
BODY OPTIONS – see page 49	MANIFOLD MOUNT Models E22**, E23**	** Not available in 1/4" orifice
FINE METERING All Models	FLANGE MOUNT Models E22**, E23**	
METERING TO 1/8" ORIFICE All Models	PORT 90° RIGHT Models E22, E23	
METERING TO 1/4" ORIFICE Models E22, E23		