

HAZARDOUS LOCATION VALVES



Note: This valve also available as an operator. Refer to following page.

Series 50 ELW >> Model ELW52

Encapsulated Low Wattage Hazardous Location – 2-Way Normally Closed Valve

A UL and CSA listed, low watt, miniature hazardous location valve with minimal space and energy requirements in volatile environments. Air and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, oils, some hydraulic fluids, and many other media require special seal materials.

- **Smallest hazardous location solenoid valve.**
- **Best ambient and high temperature ratings on the market.**
- **NEMA 4 rating is standard with encapsulated coil.**

OPERATING CONDITIONS

Media: Air and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, oils, some hydraulic fluids, and many media require special seal materials. (Series 50 pressure ratings may change due to the viscosity of the liquid.)*

Valve Temperature Range: Standard Valves - 0°F (-18°C) to 140°F (60°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.*

Maximum Operating Pressure Differentials: See table on proceeding page.

Burst Pressure: 5000 PSI

Leakage: Bubble tight for standard valves.

Vacuum: To 5 Microns*

ELECTRICAL CHARACTERISTICS

Coil Voltage: 12 to 370V AC 60 HZ. and 10.5 to 345V AC 50 HZ. – 3.5 to 120V DC

Nominal Power: AC – 1.8 Watts DC – 1.8 Watts

Coil Construction: Encapsulated Class F Coil with third wire ground

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.)

Internal Components: Stainless Steel

Elastomers: Nitrile (Buna) (Std.). Many other elastomers available.*

Orifice Diameter: See table on proceeding page.

Porting: 1/8" NPT (Std.)

Housing: Encapsulated with 1/2 NPT conduit

Listings: Valves are UL listed for Hazardous Locations – Class I, Div 1, Groups A, B, C, and D - Class II, Div 1, Groups E, F, and G; Div 2, Groups A, B, C, D, E, F, and G. "T" Rating as low as T5.

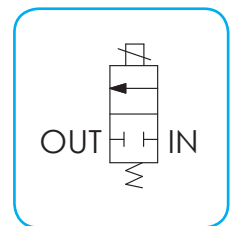
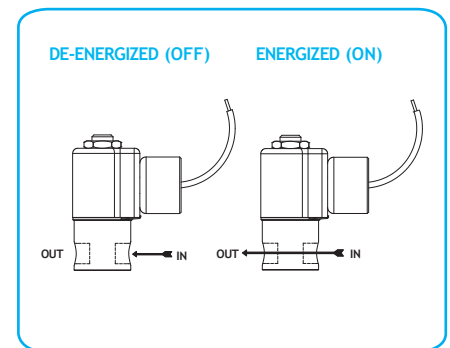
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

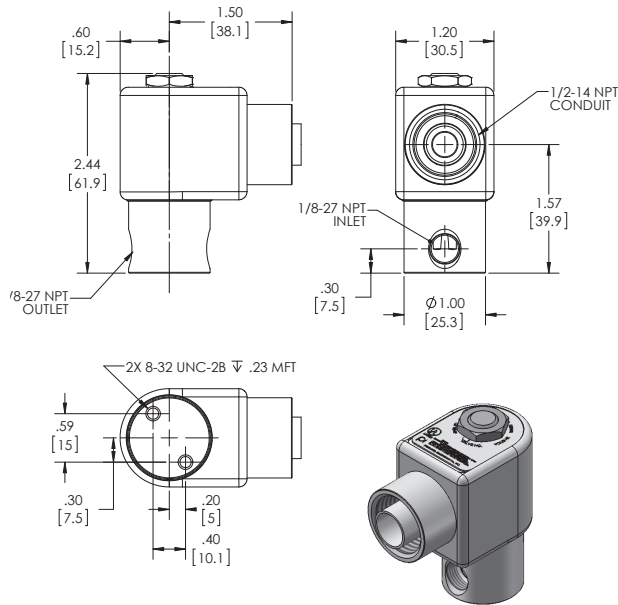
Valve Weight: 0.60 lbs

Repair Packs: See table on proceeding page.

Options: Alternate Port Locations, Metering, Alternate Elastomers, All Stainless Steel Construction*

* Consult representative or factory for options and specifications.





**SERIES 50 ELW
MODEL ELW52
2WNC
EXPLOSION PROOF**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		LIQUID		ORIFICE SIZE N.O.	CV FACTOR N.C.	VALVE NUMBER
GAS AC	DC	AC	DC			
600*	200	600	200	1/32	.022	ELW52G8DCCP
250	80	250	80	3/64	.055	ELW52H8DCCP
150	50	150	50	1/16	.075	ELW52J8DCCP
100	25	100	25	5/64	.134	ELW52V8DCCP
85	20	85	20	3/32	.156	ELW52K8DCCP
50		50		1/8	.230	ELW52N8DCCP
15		15		5/32	.292	ELW52O8DCCP

* FKM seals not recommended for pressure above 500 psi.

ORDERING INFORMATION:

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (ELW52J8DCCP 120/60) REPAIR PACK (KELW52J AC)

WHEN ORDERING OPERATORS ADD THE LETTER "O" TO THE FRONT OF THE VALVE NUMBER, REPLACE BODY PORT NUMBER WITH THE LETTER "D": EXAMPLE: OPERATOR (OELW52J8DCCP 120/60)