



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

## Series 50 SLW >> Model SLW51

### Encapsulated Super Low Wattage – 2-Way Normally Open Valve

General purpose valves for pneumatic and hydraulic applications. The versatility of these valves is increased to include the handling of hot air, hot water, refrigerants and many other media, by the use of different seals. Air and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, oils, some hydraulic fluids, and many media require special seal materials.

- General purpose valve with reduced power consumption.
- For pneumatic and hydraulic application.
- 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: Listings:** Most valves are UL and CSA listed – consult factory.

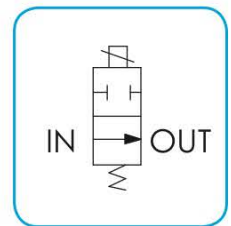
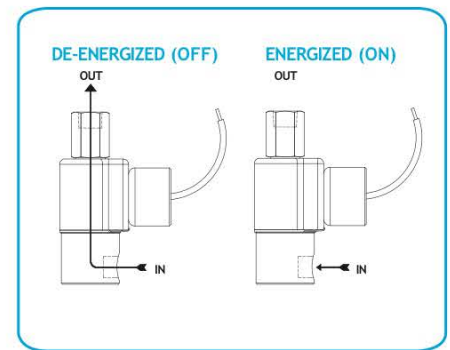
**Life Expectancy:** Millions of cycles, depending on application, lubrication, etc.

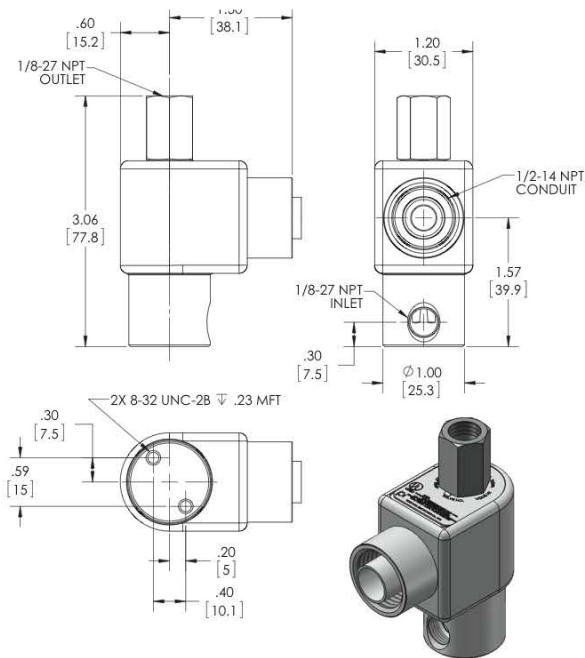
**Valve Weight:** 0.60 lbs

**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 SLW  
MODEL SLW51  
2WNO  
LOW WATTAGE**

## VALVE SPECIFICATIONS

| MAX. OPER. PRESS. DIFF. |     | MAX. OPER. PRESS. DIFF. |     | ORIFICE SIZE | CV FACTOR | VALVE NUMBER |
|-------------------------|-----|-------------------------|-----|--------------|-----------|--------------|
| GAS                     |     | LIQUID                  |     |              |           |              |
| AC                      | DC  | AC                      | DC  | N.O.         | N.O.      |              |
| 300                     | 200 | 300                     | 200 | 1/32         | .020      | SLW51G8XCCP  |
| 270                     | 120 | 120                     | 65  | 3/64         | .048      | SLW51H8XCCP  |
| 135                     | 50  | 40                      | 30  | 1/16         | .075      | SLW51J8XCCP  |
| 70                      | 35  | 30                      | 20  | 5/64         | .134      | SLW51V8XCCP  |
| 55                      | 30  | 25                      | 15  | 3/32         | .150      | SLW51K8XCCP  |

## ORDERING INFORMATION:

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (SLW51J8XCCPL 120/60) REPAIR PACK (KSLW51J 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 (QSLW51J8DCCPL 120/60)