

Series 50 SLW >> Model SLW51

Encapsulated 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 - $0^{\circ}F$ (-18 $^{\circ}C$) to 140 $^{\circ}F$ (60 $^{\circ}C$) ambient; $0^{\circ}F$ (-18 $^{\circ}C$) to 150 $^{\circ}F$ (65 $^{\circ}C$) 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

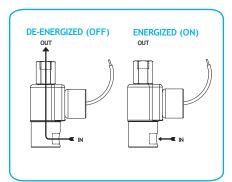
Leakage: Bubble tight for standard valves. Vacuum: To 5 Microns*

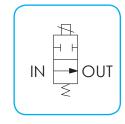
ELECTRICAL CHARACTERISTICS

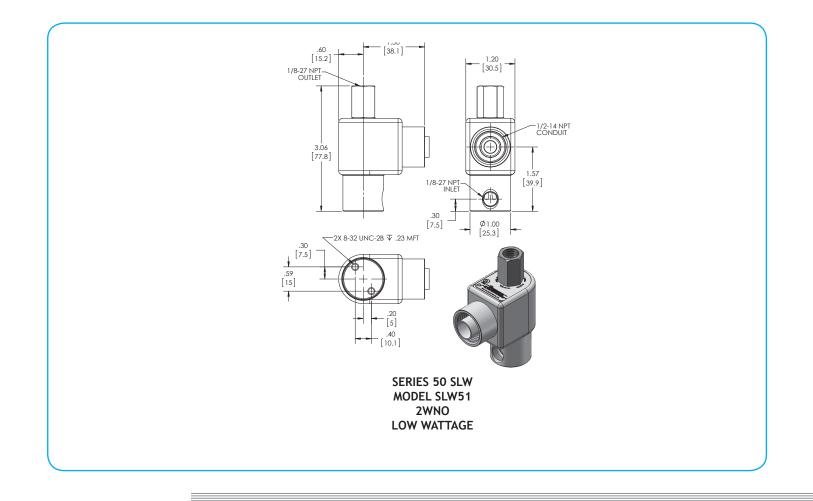
Coil Voltage: 12 to 370V AC 60 HZ. and 10.5 to 345V AC 50 HZ. – 3.5 to 120V DC Nominal Power: AC – 1.8 Watts DC – 1.8 Watts Coil Construction: Encapsulated Class F Coil with third wire ground Typical Response Time on Air: 4 - 16 Milliseconds Operating Speed: Up to 600 CPM Duty Cycle: Continuous

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.







VALVE SPECIFICATIONS

	MAX. OPER.	PRESS. DIF	F.			
GAS		LIQUID		ORIFICE SIZE	CV FACTOR	VALVE NUMBER
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

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