

LOW WATT VALVES



Series 50 LW >> Model LW53

Low Wattage —3-Way Normally Closed (exhaust to atmosphere)

General purpose 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.
- Increased versatility.
- For pneumatic and hydraulic application.

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. — 6.0 to 120V DC

Nominal Power: AC — 2.5 Watts DC — 2.5 Watts

Coil Construction: Molded and potted Class F. (Class H optional)

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.), Brass (Opt.) or Aluminum (Opt.)

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: Grommet and 1/2" NPT conduit - many options available.*

Listings: Most valves are UL and CSA listed — consult factory.

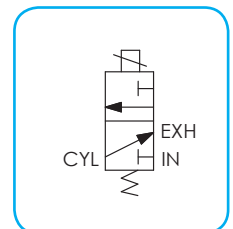
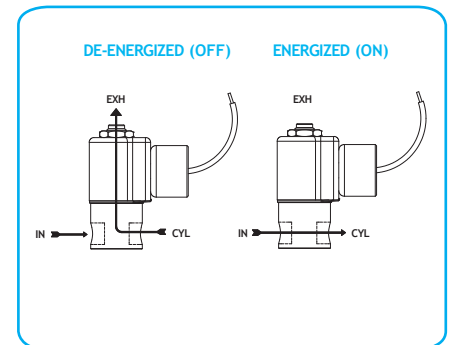
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

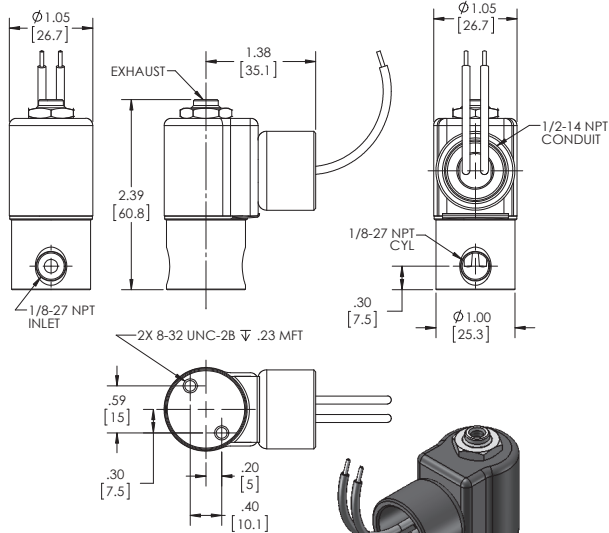
Valve Weight: Grommet Valve: 0.38 lbs, Conduit Valve: 0.44 lbs

Repair Packs: See table on proceeding page.

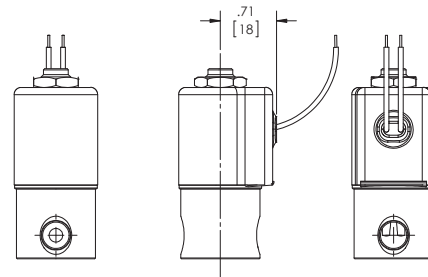
Options: Alternate Port Locations, Metering and Alternate Elastomers*

* Consult representative or factory for options and specifications.





**SERIES 50 LW
MODEL LW52
3WNC EXHAUST TO ATMOSPHERE
CONDUIT CONNECTION**



**SERIES 50 LW
MODEL LW52
3WNC EXHAUST TO ATMOSPHERE
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		GAS		LIQUID		ORIFICE SIZE		CV FACTOR		VALVE NUMBER	
AC	DC	AC	DC	N.C.	N.O.	N.C.	N.O.	GROMMET 1/8" NPT	CONDUIT 1/8" NPT		
215	135	215	135	1/32	1/32	.022	.022	LW53GG8DGM	LW53GG8DCM		
215	120	120	65	1/32	3/64	.022	.048	LW53GH8DGM	LW53GH8DCM		
135	50	40	30	1/32	1/16	.022	.075	LW53GJ8DGM	LW53GJ8DCM		
70	35	30	20	1/32	5/64	.022	.134	LW53GV8DGM	LW53GV8DCM		
55	30	25	15	1/32	3/32	.022	.156	LW53GK8DGM	LW53GK8DCM		
120	70	120	65	3/64	3/64	.055	.048	LW53HH8DGM	LW53HH8DCM		
120	50	40	30	3/64	1/16	.055	.075	LW53HJ8DGM	LW53HJ8DCM		
70	35	30	20	3/64	5/64	.055	.134	LW53HV8DGM	LW53HV8DCM		
55	30	25	15	3/64	3/32	.055	.156	LW53HK8DGM	LW53HK8DCM		
85	40	40	30	1/16	1/16	.075	.075	LW53JJ8DGM	LW53JJ8DCM		
70	35	30	20	1/16	5/64	.075	.134	LW53JV8DGM	LW53JV8DCM		
55	30	25	15	1/16	3/32	.075	.156	LW53JK8DGM	LW53JK8DCM		
50	30	30	20	5/64	5/64	.134	.134	LW53VV8DGM	LW53VV8DCM		
50	30	25	15	5/64	3/32	.134	.156	LW53VK8DGM	LW53VK8DCM		
35	20	25	15	3/32	3/32	.150	.156	LW53KK8DGM	LW53KK8DCM		

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (LW53JJ8DGM-120/60) REPAIR PACK (KLW53JJ8D-AC)