SERIES 50 LOW WATT (LW 2.5 WATTS AC AND DC)
SERIES 50 LOW LOW WATT (LLW 0.65 WATTS DC)

APPLICATION:

General purpose or safety 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.
Note: The LLW Valve is not a safety valve.

SPECIFICATIONS—

OPERATING CONDITIONS

Media: 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 - Consult representative of factory.

Valve Temperature Range: Standard Valves - 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 specifications.

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: 24 to 277 VAC 50-60 HZ.– 6 to 120 VDC. All standard voltages (U.S. & Export) carried in stock. Special voltages readily produced on order.

Nominal Power: **Series 50**

LW 2.5 watts AC and DC

LLW 0.65 watts DC only

Coil Construction: Standard, Molded with 24" leads. For Non-molded construction consult Factory.

Typical Response Time on Air: 4-16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous or Intermittent

MECHANICAL CHARACTERISTICS

Material: All interior parts are stainless steel

Orifice Diameter: See catalog listings

Porting: 1/8, NPT

Housing: Grommet & 1/2 NPT conduit - many options available.

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

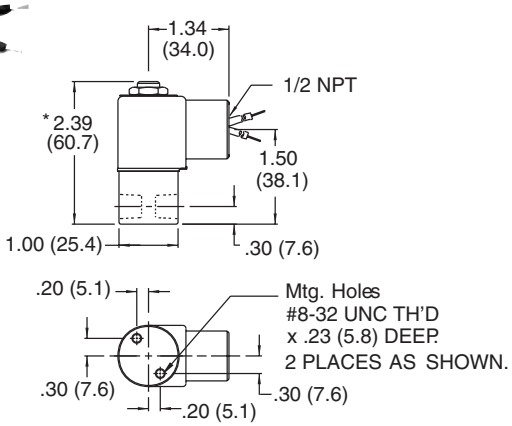
Valve Weight: Only .40 lbs average

OPTIONS: Metering, bottom orifice or cavity porting, manifold mount, built in muffler, universal mounting bracket, potted coil.

FOR FLOW CHARTS SEE PAGES 95-97

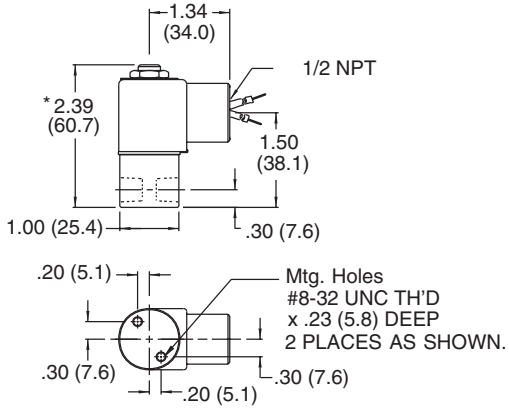
SOLENOID VALVE OPERATORS

A complete line of valve operators for O.E.M. applications are offered for those who wish to incorporate them in their own product line. Full technical information and details are available from Peter Paul.



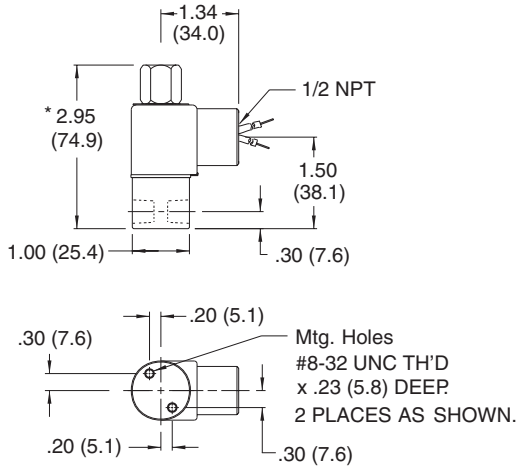
*ADD .232 (5.9) FOR SPADE TERMINAL COIL OPTION

2-Way Normally Closed



*ADD .232 (5.9) FOR SPADE TERMINAL COIL OPTION

3-Way Normally Closed Exhaust to Atmosphere



*ADD .232 (5.9) FOR SPADE TERMINAL COIL OPTION

3-Way Normally Closed Piped Exhaust

SOLENOID VALVES . . .

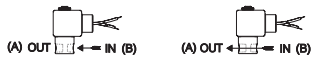
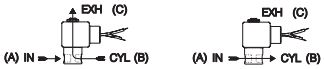
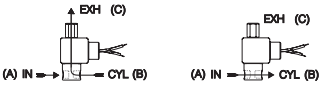
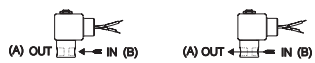
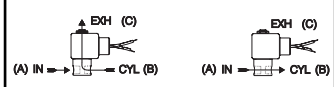
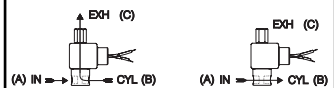
Table A			LW 2.5 Watts		MAXIMUM OPERATING PRESSURE DIFFERENTIAL			
MODEL TYPE	FLOW CONFIGURATION	VALVE NO. SUFFIX	ORIFICE SIZE Inlet	ORIFICE SIZE Exhaust	Gas AC	Gas DC	Liquid AC	Liquid DC
Model LW51 2 Way Normally Open	DE-ENERGIZED ENERGIZED 	LW51G8XGB LW51H8XGB (G or L) LW51J8XGB (G or L) LW51V8XGB (G or L) LW51K8XGB (G or L)		G 1/32 H 3/64 J 1/16 V 5/64 K 3/32	300 270 135 70 55	200 120 50 35 30	300 120 40 30 25	200 65 30 20 15
Model LW52 2 Way Normally Closed	DE-ENERGIZED ENERGIZED 	LW52G8DGB LW52H8DGB LW52J8DGB LW52V8DGB LW52K8DGB LW52N8DGB LW52O8DGB	G 1/32 H 3/64 J 1/16 V 5/64 K 3/32 N 1/8 O 5/32		600 250 150 100 85 50 15	200 80 50 25 20	600 250 150 100 85 50 15	200 80 50 25 20
Model LW53 3 Way Normally Closed Exhaust to Atmosphere	DE-ENERGIZED ENERGIZED 	LW53GG8DGB LW53GH8DGB (G or L) LW53GJ8DGB (G or L) LW53GV8DGB (G or L) LW53GK8DGB (G or L) LW53HH8DGB (G or L) LW53HJ8DGB (G or L) LW53HV8DGB (G or L) LW53HK8DGB (G or L) LW53JJ8DGB (G or L) LW53JV8DGB (G or L) LW53JK8DGB (G or L) LW53VV8DGB (G or L) LW53VK8DGB (G or L) LW53KK8DGB (G or L)	G 1/32 G 1/32 G 1/32 G 1/32 G 1/32 H 3/64 H 3/64 H 3/64 H 3/64 J 1/16 J 1/16 J 1/16 V 5/64 V 5/64 K 3/32	G 1/32 H 3/64 J 1/16 V 5/64 K 3/32 H 3/64 J 1/16 V 5/64 K 3/32 J 1/16 V 5/64 K 3/32 V 5/64 K 3/32 K 3/32	215 215 135 70 55 120 120 70 55 85 70 55 50 50 35	135 120 50 35 30 70 50 35 30 40 35 30 30 30 20	215 120 40 30 25 120 40 30 25 40 30 25 30 25 25	135 65 30 20 15 65 30 20 15 30 20 15 20 15 15
Model LW53 3 Way Normally Closed Piped Exhaust	DE-ENERGIZED ENERGIZED 	LW53GG8XGB LW53GH8XGB (G or L) LW53GJ8XGB (G or L) LW53GV8XGB (G or L) LW53GK8XGB (G or L) LW53HH8XGB (G or L) LW53HJ8XGB (G or L) LW53HV8XGB (G or L) LW53HK8XGB (G or L) LW53JJ8XGB (G or L) LW53JV8XGB (G or L) LW53JK8XGB (G or L) LW53VV8XGB (G or L) LW53VK8XGB (G or L) LW53KK8XGB (G or L)	G 1/32 G 1/32 G 1/32 G 1/32 G 1/32 H 3/64 H 3/64 H 3/64 H 3/64 J 1/16 J 1/16 J 1/16 V 5/64 V 5/64 K 3/32	G 1/32 H 3/64 J 1/16 V 5/64 K 3/32 H 3/64 J 1/16 V 5/64 K 3/32 J 1/16 V 5/64 K 3/32 V 5/64 K 3/32 K 3/32	215 215 135 70 55 120 120 10 55 85 70 55 50 50 35	135 120 50 35 30 70 50 35 30 40 35 30 30 30 20	215 120 40 30 25 120 40 30 25 40 30 25 30 25 25	135 65 30 20 15 65 30 20 15 30 20 15 20 15 15

Table B	FLOW CONFIGURATION	VALVE NO.	LLW .65 Watts Inlet	LLW .65 Watts Exhaust	Gas Only DC
Model LLW52 2 Way Normally Closed		LLW52G8DGB	G 1/32		120
Model LLW53 3 Way Normally Closed Exhaust to Atmosphere		LLW53GG8DGB	G 1/32	G 1/32	120
Model LLW53 3 Way Normally Closed Piped Exhaust		LLW53GG8XGB	G 1/32	G 1/32	120