SW
SERIES

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Super Wattmizer

High Capacity, Low Power Miniature Solenoid Valves

General Specifications:

One-inch stainless steel or brass bodies are standard while the internal components that come in contact with the media are all stainless steel. They are compatible with common media including air, water and inert gases.

Maximum Operating Pressure Differential: up to 1500 psi (85 bar)

Orifice Diameters: .025 to 1/8, Stop–.025″ to 5/64″

Response Time: 6 to 10 milliseconds

Power Consumption: .65 to 9 watt continuous duty

Vacuum: 5 microns

Port Size: #10-32 UNF-2B, 1/8″ NPT and 1/4″ NPT
Housing: Strap housing

Seal Material: Buna N, Viton, EPDM standard, others optional

Leakage: Bubble tight (1 x 10^{-5} cc/sec.)

Coil Type: Continuous Rating - Heat dispersing
.65 watt through 9 watt–Class "F" (155°C) standard
.65 watt through 9 watt–Class "B" (130°C) optional

Standard Voltages: 24V/60 Hz, 120V/60 Hz, 240V/60 Hz, 6, 12, 24 VDC. Other voltages and wattages available upon request

Media Temperature Limitations:
Minimum– -40°F (-40°C);
Maximum– +180°F (+82°C)

Weight: 2 3/4–3 1/4 ounces

Leadwire: 20 AWG, 18 (457) inches long or spades

Agency Approvals: UL recognition, CUL recognition

Super Wattmizer Solenoid Valves:

Super Wattmizer series produces 30% greater performance at the same wattage as standard Wattmizer models. This High Performance valve series uses a larger heat-dispersing coil design with larger orifices and flow rates to operate at pressures in the excess of 1,500 psi. These compact, 2-way and 3-way solenoid valves are offered in a range of .65 to 9 watts of continuous power.

Super Wattmizer miniature solenoid valves are compatible with most common fluids and gases making them ideal for pneumatic and hydraulic applications typically using light viscous oils. The larger coil design also allows the valves to operate at higher temperatures than standard Wattmizer models.

Super Wattmizer uses #10-32 UNF-2B, 1/8″ NPT or 1/4″ NPT porting, orifices up to 1/8″ and coils for AC or DC operation. These valves provide wide pressure and flow ratings, and are long duty, lasting in excess of 10 million cycles.