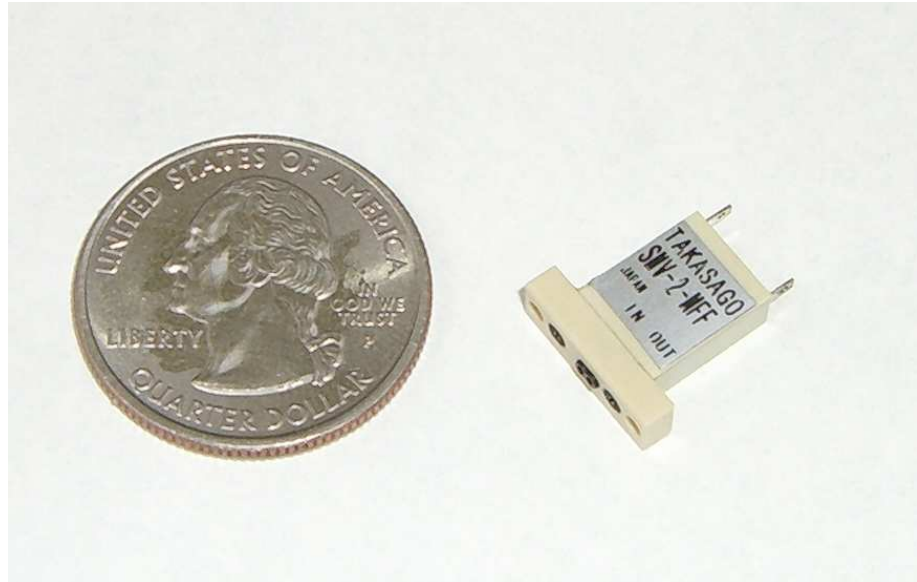


(Patent pending)

Small Diaphragm Valve

SMV series



Features

Utilization of Shape Memory Alloy provides the following features:

- Compact size and light weight – 4 × 16 × 16.5mm (excluding contacts) and approximately 1g
- Silent, operating without the noise generated by solenoid-actuated valves.
- Slower opening-closing operation in comparison to solenoid valves. Suitable to applications sensitive to rapid fluid movement, such as fluid supply to chips used in microscopic applications.
- Possible to actuate at low power consumption – 0.3 W or less.

Note: Details including specifications etc. may be changed at any time without notice

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Specifications

Type	2-Way N.C. (opens when energized) *	
Orifice Diameter	0.4mm	
Operating Pressure	IN : 0 - 80kPa	
	OUT: 0 - 30kPa	
Ambient Temp. Range	5 - 40 °C	
Fluid Temp. Range	5 - 40 °C	
Current	250mA	
Operational frequency	MAX 0.5Hz	
Material	Body	PEEK or PPS
	Diaphragm gasket	Perfluoroelastomer or FPM
Dimensions	4X16X16.5mm	

*Production of N.O. Type (closes when energized) also possible

Electrical supply

Current 250mA

Constant current source recommended. Constant Current Circuit required to provide constant current.

Dimensions

