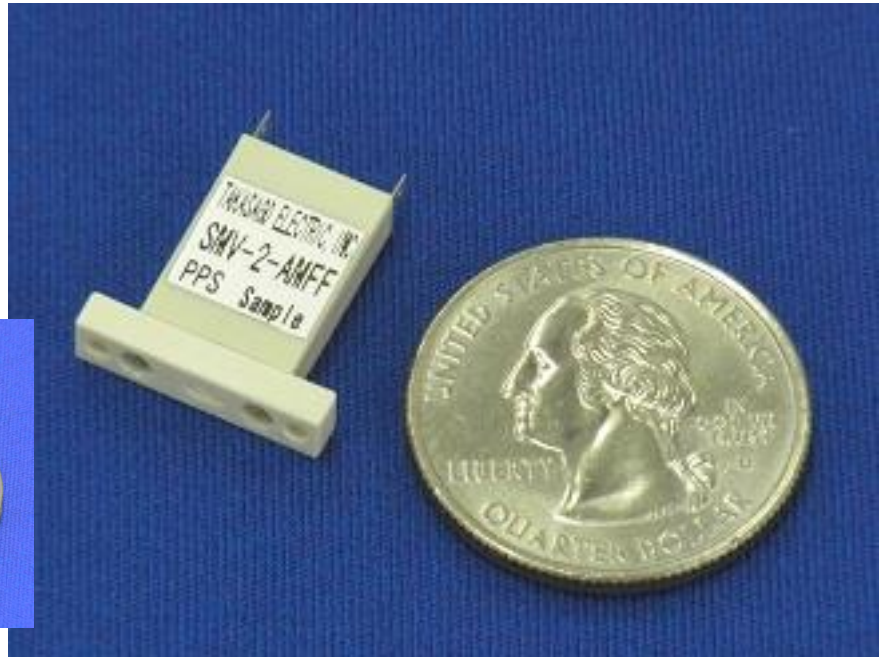
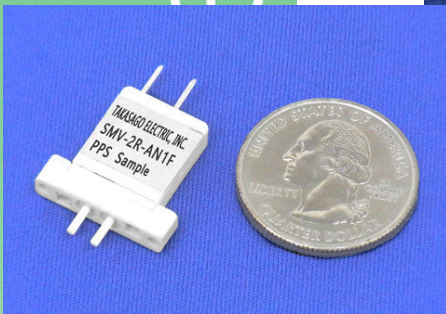


(Patented in Japan)

## 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 for applications sensitive to rapid fluid movement, such as fluid supply to chips used in microfluidic applications.
- Possible to actuate at low power consumption – 0.3 W or less.

Model Number	SMV-2K-AMFF
Outer Dimensions	4 x 16 x 16.5 mm
Method	Shape Memory Alloy Valve
Type	2-way NC
Port Connection	Manifold-Mount Type (O-Ring) or Hose Barb
Orifice (mm)	0.4 mm
IN Port Pressure	0–100 kPa
OUT Port Pressure (NC)	0–50 kPa
Fluid Temperature Range	5–40°C
Ambient Temperature Range	5–40°C
Power Consumption	<0.25 W
Operating Duration	Continuous
Body Material	PEEK
Seal Material	FKM, FFKM, or EPDM
Weight	1.5 g
Notes	<b>Note:</b> Details such as specifications, etc., may be changed without notice.

Model Number	SMV-2K-BMFE
Outer Dimensions	4 x 16 x 16.5 mm
Method	Shape Memory Alloy Valve
Type	2-way NC
Port Connection	Manifold-Mount Type (O-Ring) or Hose Barb
Orifice (mm)	0.8 mm
IN Port Pressure	0~100 kPa
OUT Port Pressure (NC)	0~50 kPa
Fluid Temperature Range	5~40°C
Ambient Temperature Range	5~40°C
Power Consumption	>0.25 W
Operating Duration	Continuous
Body Material	PEEK
Seal Material	FKM, FFKM, or EPDM
Weight	1.5 g
Notes	<b>Note:</b> Details such as specifications, etc., may be changed without notice.

Model Number	SMV-2R-AMFE
Outer Dimensions	4.0 x 18.4 x 19.0 mm
Method	Shape Memory Alloy Valve
Type	2-way NC
Port Connection	Manifold-Mount or Hose barb
Orifice (mm)	0.4 mm
IN Port Pressure	0~100 kPa
OUT Port Pressure (NC)	0~50 kPa
Fluid Temperature Range	5~40°C
Ambient Temperature Range	5~40°C
Power Consumption	>0.25 W
Operating Duration	Continuous
Body Material	PPS
Seal Material	FKM, FFKM, or EPDM
Weight	1.5 g
Notes	<b>Note:</b> Details such as specifications, etc., may be changed without notice.

Model Number	SMV-2R-BMFE
Outer Dimensions	4 x 16 x 16.5 mm
Method	Shape Memory Alloy Valve
Type	2-way NC
Port Connection	Manifold-Mount Type (O-Ring) or Hose Barb
Orifice (mm)	0.8 mm
IN Port Pressure	0~100 kPa
OUT Port Pressure (NC)	0~50 kPa
Fluid Temperature Range	5~40°C
Ambient Temperature Range	5~40°C
Power Consumption	>0.25 W
Operating Duration	Continuous
Body Material	PPS
Seal Material	FKM, FFKM, or EPDM
Weight	1.5 g
Notes	<b>Note:</b> Details such as specifications, etc., may be changed without notice.

## Dimensions

