

# TAKASAGO

## RVA Series Rocker Type Isolation Valve

*Inert Valves, 2-way & 3-way, 1.6 mm Orifice, Manifold Mount*

### DESCRIPTION

Model series RVA is a miniature rocker style isolation valve suitable for a wide range of manifolds designed for in-vitro diagnostic, analytical and laboratory instruments.

The small rectangular footprint (16 x 27 mm) minimizes manifold size and reduces internal passage volume.

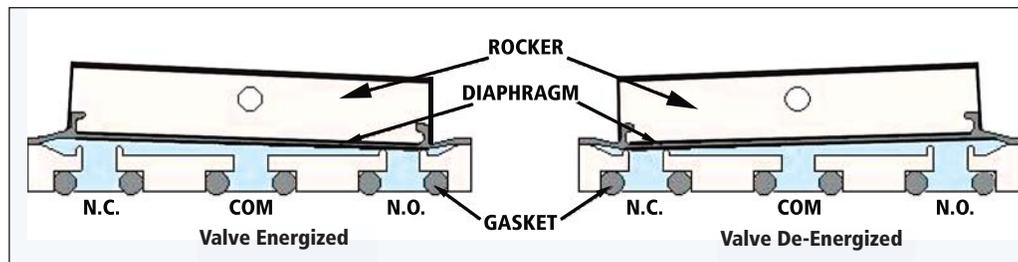
Standard materials in contact with the process fluid are PEEK valve body and perfluoroelastomer diaphragm and seal.

Pumped volume is quite small as there is no volumetric change in the valve chamber with actuation of the rocker.

The valve can optionally be provided with a built-in voltage dropping circuit that drops the voltage to a holding voltage 100 ms after the valve is energized. This reduces heat generation and reduces energy consumption.



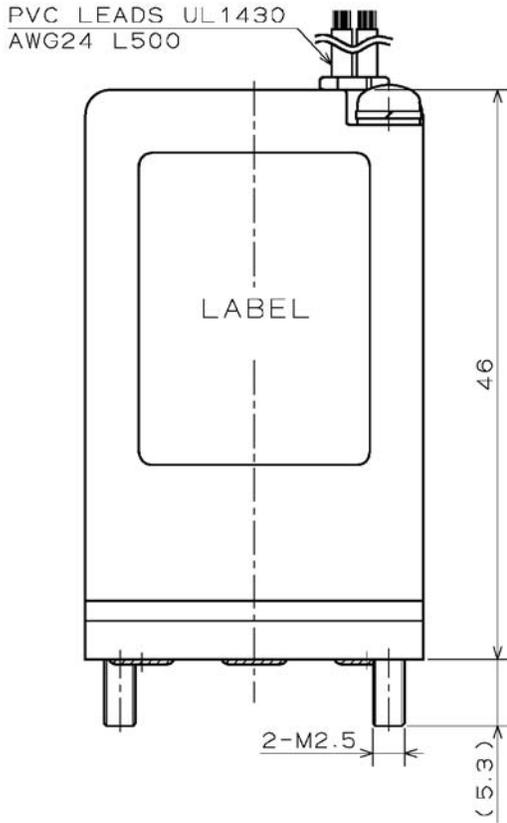
### ROCKER CROSS-SECTION



### SPECIFICATIONS

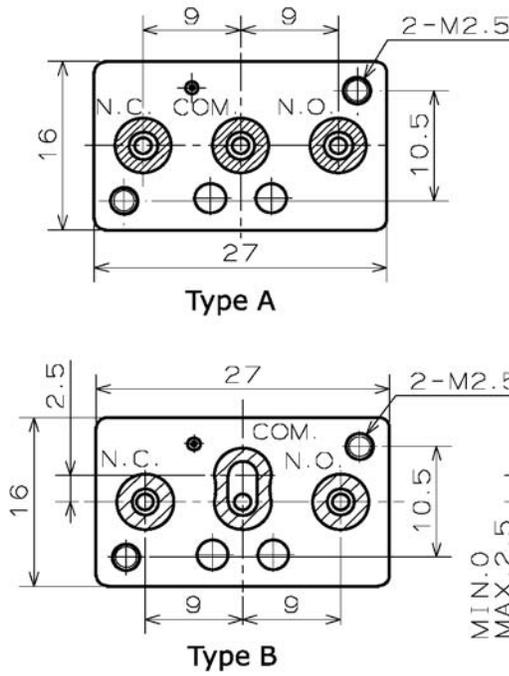
Model	RVA-2K-MFGA	RVA-02K-MFGA	RVA-3K-MFGA
Type	2-way N.C.	2-way N.O.	3-way
Orifice Diameter	1.6 mm (optionally 0.8 mm)		
Operating Pressure Range	-95 to 200 kPa (28" Hg Vac to 29 PSI); Optionally to 600 kPa (87 PSI)		
Port Connection	Gasket Seal, see Port Connection Options drawing		
Media Temp. Range	5 to 45°C (41-113°F); 0-60°C (140°F) for FPM & EPDM models		
Ambient Temp. Range	5 to 45°C (41-113°F); 0-55°C (131°F) for FPM & EPDM models		
Rated Voltage	12 VDC, 24 VDC		
Power Consumption	3.4 W (Optionally 0.85 W with a Hit & Hold Circuit)		
Duty Cycle	Continuous		
Insulation Class	Class B		
Wetted Materials	Valve Body: Peek; Optionally PPS Diaphragm & Gasket: Perfluoroelastomer; Optionally FPM or EPDM		

## DIMENSIONS (MM)

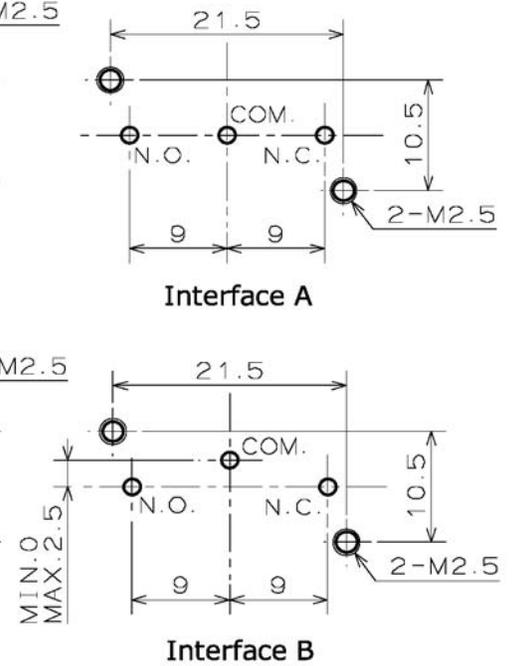


## Port Connection Options

VALVE BOTTOM VIEW



MANIFOLD INTERFACE



## ORDERING INFORMATION

**SELECT MODEL NUMBER AND VOLTAGE**

**RVA-ABCDEF**

**EXAMPLE: RVA-2KG-A12V**

Model Number	A Type	B Body Material	C Diaphragm & Gasket	D Max. Pressure	E Port Connection	F Voltage
RVA	02= 2-way, N.O. 2= 2-way, N.C. 3= 3-way	R= PPS K= PEEK	E= EPDM F= FPM G= Perfluoroelastomer	--= 200 kPa (30 PSI) H= 600 kPa (87 PSI)	A= Type A B= Type B	12V= 12VDC 24V= 24VDC