

Takasago Electric MTV-3R-NN3G-1  
**Inert Isolation Valve**



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**\$85.00**

**In Stock**

**Qty Available: 2**

**Used and in Excellent Condition**

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# TAKASAGO

## MTV 2R/3R/2K/3K Inert Isolation Valve

Solenoid Operated, PEEK & PPS Valves, 2 mm Orifice

### DESCRIPTION

Model MTV-R/K inert isolation valves offer great performance and a choice of wetted materials for compatibility with aggressive media. The valves utilize unique soft elastomeric seals which are forgiving of particulate matter that would typically destroy an inert valve.

The MTV series are available in two way, normally open and normally closed; and three way configurations. Model MTV-2R and -3R valves have molded PPS bodies and Model MTV-2K and -3K valves have PEEK molded bodies. A choice of FPM or Perfluor seal materials is available.

### SPECIFICATIONS

#### GENERAL

Rated Voltage- 12Vdc or 24Vdc

Min. Operating Voltage- 90% of rated voltage

Drop Out Voltage- 10% of rated voltage

Power Consumption- 2.6 Watts

Coil Temp. Rise- Max 50°C from room temperature

Orifice Diameter- 2mm

Solenoid Housing- SPS (Syndiotactic Polystyrene) encapsulated

Internal Volume, two way- IN, 30 micro liters; OUT 240 micro liters

Internal Volume, three way- COM, 30 micro liters; NC, 82 micro liters; NO, 194 micro liters

Operating Pressure, two way- IN, -700mmHg to 2.0 bar; OUT, 1.0 bar  
(Optional 7.0 bar IN, 2.0 bar OUT)

Operating Pressure, three way- Com, -700 mmHg to 2.0 bar;  
NC/NO, 1.0 bar

Response Time- ON, 30ms; OFF, 7-15ms

Media Temperature Range- 5-60°C

Operating Life- 9 million cycles

Weight- two way, 85 grams; three way, 88 grams

Insulation Class- Class B

Insulation Resistance- 50 Mohm at 500 Vdc

Dielectric Strength- 1500 Vac/1 minute

Port Connection- 1/4-28 threaded, 4 mm barb connection, M6

Valve Body Material- PEEK or PPS

Isolating Diaphragm Material- PTFE

Valve Seat Seal Material-Dai-el Perfluor or FPM

"O" Ring Material (three way only)- Perfluor or FPM

### ORDERING INFORMATION

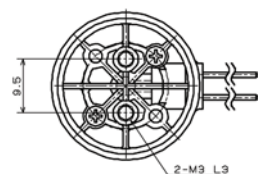
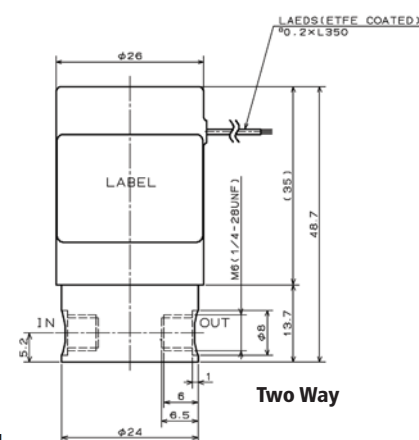
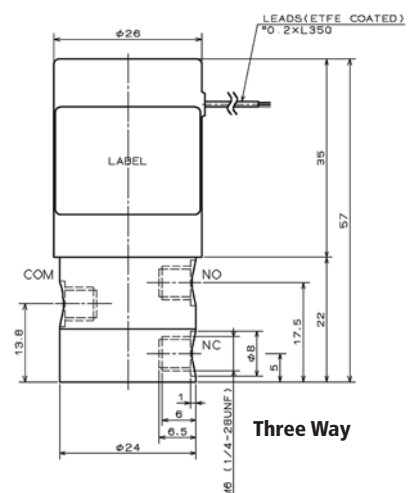
#### ABCDE

EXAMPLE: MTV-3R1/4UF12V

A Config. & Body Material	B Connections	C Seat Material	D Options	E Voltage
MTV-2R= 2-way,NC,PPS MTV-2K=2-way,NC,PEEK MTV-3R= 3-way,PPS MTV-3K= 3-way,PEEK MTV-02R= 2-way,NO,PPS MTV-02K= 2-way,NO,PEEK	1/4U=1/4-28 threaded N4= 4mm barb M6= M6 threaded	F=FPM G=Perfluor	-=None H=High Pressure Option (Two way, N.C. only, 4.4 W power consumption)	12V=12Vdc 24V=24Vdc



### DIMENSIONS (MM)



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