

TAKASAGO**MLV-2T & 3T PTFE Isolation Valves**

Solenoid Operated, Two Way And Three Way, 2.5 mm Orifice

DESCRIPTION

Model MLV isolation valves offer great performance and inert wetted materials for compatibility with aggressive media. The valves are available with unique Perfluor soft elastomeric seals which are forgiving of particulate matter that would typically scratch a PTFE valve seat.

The MLV series are available in two way, normally open and normally closed, and three way configurations. Manifold mounting is available as a custom option (consult factory).

**SPECIFICATIONS****GENERAL**

Rated Voltage- 12Vdc or 24Vdc

Min. Operating Voltage- 90% of rated voltage

Drop Out Voltage- 7.5% of rated voltage or higher

Power Consumption- 4.4 watts (soft seal), 3.1 watts (PTFE seal)

Coil Temp. Rise- Max 60°C

Solenoid Housing- Black Chrome Steel

Orifice Diameter-2.5 mm

Internal Volume (Depends On Model Selected)- IN/COM,75 to 185 µl;
NO/NC, 140 to 285µl

Operating Pressure, two way- IN,COM -300mmHg to 2.0 bar; NO/NC ,
0.5 bar

Proof Pressure-2.6 Bar

Response Time- ON, 20-30ms; OFF, 5-10ms

Media Temperature Range- 5-60°C

Ambient Temperature Range-5-60°C

Operating Life- 5 million cycles

Weight- 93 grams

Insulation Class- Class B

Insulation Resistance- 50 Mohm at 500 Vdc

Dielectric Strength- 1500 Vac/1 minute

Port Connection- 5/16-24 threaded, M8, 1/8-27 NPT

Valve Body Material- PTFE

Valve Stem (3-way)- Ceramic (PTFE seal), PCTFE (soft seal)

Isolating Diaphragm Material- PTFE

Valve Seat Seal Material- PTFE or Dai-el Perfluor

ORDERING INFORMATION**ABCDE****EXAMPLE: MLV-3TM8G-12V**

A Config. & Body Material	B Connections	C Seat Material	D Options	E Voltage
MLV-2T= 2-way,NC MLV-3T= 3-way MLV-02T= 2-way,NO	M8= M8 1/8N=1/8-27 NPT 5/16U=5/16-24	G=Perfluor T=PTFE	--None D=Ventiduct	12V=12Vdc 24V=24Vdc

THREE WAY