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

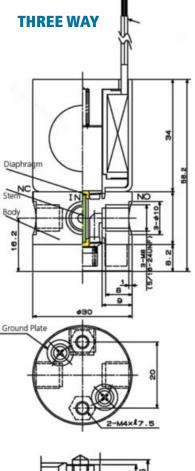
ORDERING INFORMATION

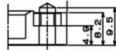
ABCDE

EXAMPLE: MLV-3TM8G-12V

A	B	C	D	E
Config. & Body Material	Connections	Seat Material	Options	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







DETAIL OF THE MOUNTING SCREW PART