

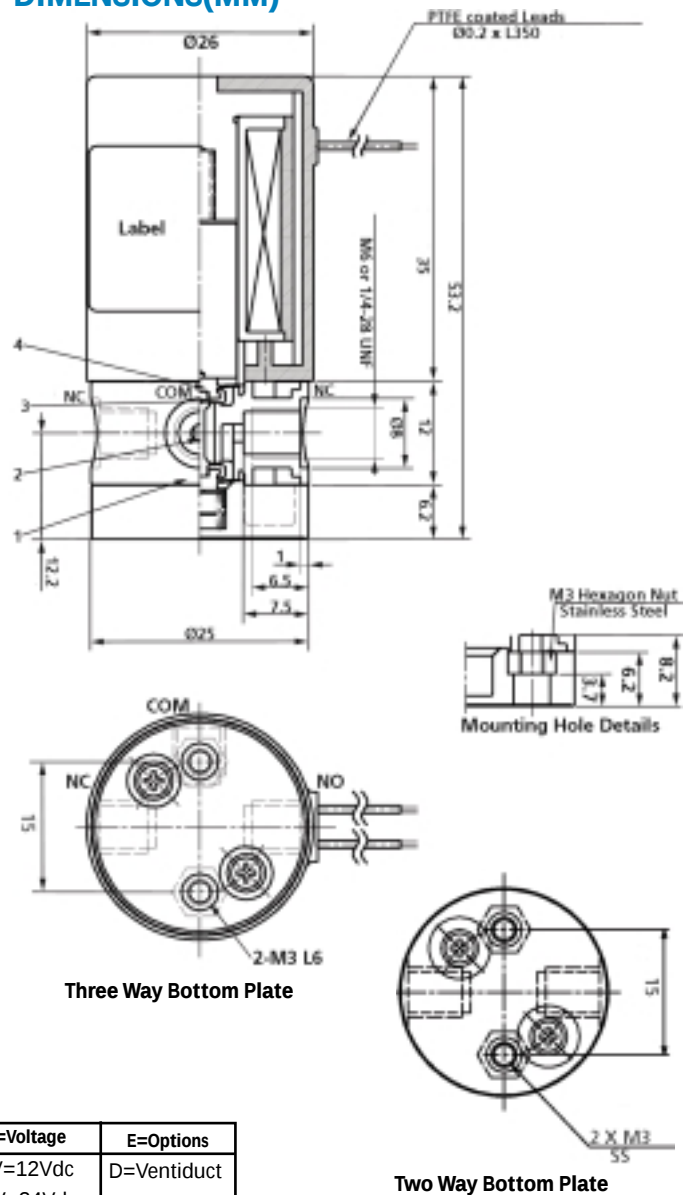
TAKASAGO**MTV-2T & 3T PTFE Isolation Valves***Solenoid Operated, Two Way And Three Way***DESCRIPTION**

Model MTV isolation valves offer great performance and PTFE 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 MTV series are available in two way, normally open and normally closed, and three way configurations.

SPECIFICATIONS**GENERAL**

Rated Voltage- 12Vdc or 24Vdc
 Min. Operating Voltage- 90% of rated voltage
 Drop Out Voltage- 10% of rated voltage
 Power Consumption- 1.9 Watts
 Coil Temp. Rise- Max 35°C
 Solenoid Housing- epoxy encapsulated
 Orifice Diameter-1.6mm
 Internal Volume, two way- IN, 12μl; OUT 60μl
 Internal Volume, three way- COM, 26μl; NC/NC, 132μl
 Operating Pressure, two way- IN, -500mmHg to 3.7 bar; OUT, 1.0 bar
 Operating Pressure, three way- COM, -500 mmHg to 3.7 bar; NC/NO, 0.5 bar
 Proof Pressure-3.8 Bar
 Response Time- ON, 20-30ms; OFF, 5-10ms
 Media Temperature Range- 0-70°C
 Ambient Temperature Range-0-50°C
 Operating Life- 10 million cycles
 Weight- two way, 93 grams; three way, 95 grams
 Insulation Class- Class B
 Insulation Resistance- 50 Mohm at 500 Vdc
 Dielectric Strength- 1500 Vac/1 minute
 Port Connection- 1/4-28 or M6 threaded
 Valve Body Material- PTFE
 Isolating Diaphragm Material- PTFE
 Valve Seat Seal Material- PTFE or Dai-el Perfluor
 Note: Soft Seal Diaphragm valves have different pressure rating.
 two way- IN, -700mmHg to 2 Bar; OUT 0.5 Bar
 three way- COM -700mmHg to 2 Bar; NO/NC 0.5 Bar

**DIMENSIONS(MM)****ORDERING INFORMATION**

MTV - A-B-C-D

EXAMPLE: MTV-3T 1/4U G 12V

A= Configuration	B= Connections	C= Seat Mat.	D=Voltage	E=Options
MTV-2T= 2-way,NC	1/4U=1/4-28 threaded	T=PTFE	12V=12Vdc	D=Ventiduct
MTV-02T= 2-way,NO	M6= M6 threaded	G=Perfluor	24V=24Vdc	NMF=Zero
MTV-3T= 3-way				Internal Vol.