TAKASAGO

CTV-K PEEK & CTV-R PPS Molded Isolation Valves

Solenoid Operated Three way Valves, 1.2 mm Orifice

DESCRIPTION

Model CTV-K or CTV-R isolation valves have molded PEEK or PPS valve bodies and PTFE isolation diaphragm materials for compatibility with aggressive media. The valves are standard with unique Perfluor soft elastomeric seals which are forgiving of particulate matter that would typically damage a plastic valve seat.

The CTV-K and CTV-R valves are excellent choices for demanding low flow applications where minimum size and internal volume are requirements.



SPECIFICATIONS

GENERAL

Rated Voltage- 12Vdc or 24Vdc

Min. Operating Voltage- 90% of rated voltage Drop Out Voltage- 10% of rated voltage

Power Consumption- 3.5 Watts Operating Duty- continuous

Media Temperature Range- 5-50°C (41 to 122°F) Ambient Temperature Range- 5-50°C (41 to 122°F)

Orifice Diameter-1.2 mm Operating Pressure-

COM:-375 mmHg to 2.0 Bar (14.8"Hg to 29 psi)

NC/NO: 0-0.5 Bar (7.25 psi) Insulation Class- Class B

Insulation Resistance- 50 Mohm at 500 Vdc Wire Leads: ETFE Coated, 350 mm length Dielectric Strength- 1500 Vac/1 minute

Port Connection- 1/4-28 threaded, M6; a choice of standard depth or deeper thread depth is

available

Valve Body Material- PEEK or PPS Isolating Diaphragm Material- PTFE Valve Seat Seal Material- Perfluor or FPM Valve Stem (3-way)- ceramic

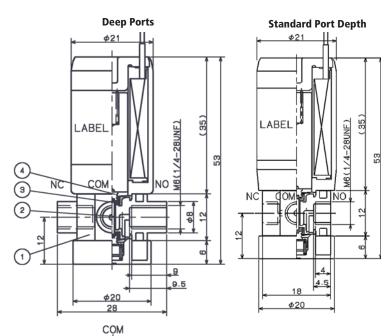
ORDERING INFORMATION

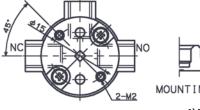
A-BCDEFG

EXAMPLE: CTV-3-1/4UKG24V

	A odel	D Connections	B Valve Body Material	E Seat Material	F Port Depth	G Voltage
C.	TV-3	1/4U=1/4-28 threaded M6= M6 threaded	K=PEEK R=PPS	G=Perfluor F=FPM	-=Standard 9= Deep	12V=12Vdc 24V=24Vdc

DIMENSIONS (MM)







- 1) Valve Body
- 2) Valve Stem
- 3) Soft Seal
- 4) Diaphragm