

# TAKASAGO

## PKV-R/K PPS & PEEK Molded Inert Isolation Valves

Solenoid Operated, Two & Three Way, 4 or 6 mm Orifice

### DESCRIPTION

Model PKV-two-way and three-way isolation valves are an economic molded design. They have 4 or 6 mm orifice size and a particle tolerant soft valve seat seal.

The valve body is molded of PPS or PEEK and other standard wetted materials are a PTFE isolation diaphragm and FPM valve seat seal.

The valves are particularly suitable for control of waste fluid lines on automated chemistry equipment such as analytical, clinical and biotechnology analyzers. They are also well suited to a large variety of high purity applications in semiconductor, pharmaceutical and other industries.

### SPECIFICATIONS

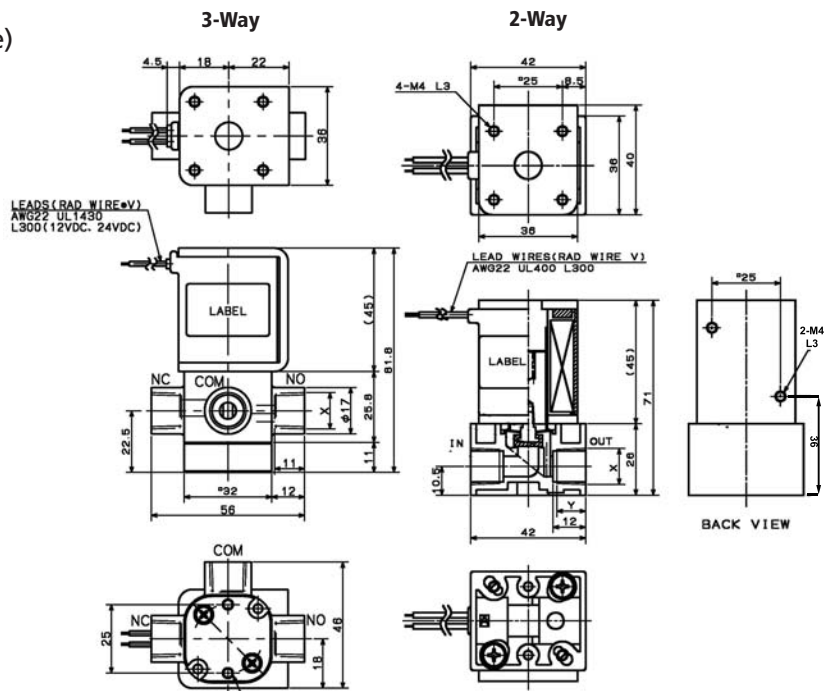
#### GENERAL

- Rated Voltage- 12Vdc or 24Vdc
- Min. Operating Voltage- 90% of rated voltage
- Drop Out Voltage- 10% of rated voltage
- Power Consumption-
  - 2-W: 6 Watts
  - 3-W: 10 Watts
- Operating Duty- continuous
- Coil Temp. Rise- Max 55°C from room temp.
- Solenoid Housing- SPS (Syndiotactic Polystyrene) encapsulated
- Orifice Diameter- 4 or 6 mm
- Operating Pressure-
  - 2-W IN: -675 mm Hg to 2 bar (29 psi)
  - 2-W OUT: 0 to 0.5 bar (7.25 psi)
  - 3-W NO/NC: -0 to 0.5 bar (7.25 psi)
  - 3-W COM: -675 mm Hg to 1 bar (14.5 psi)
- Media Temperature Range- 0-60°C (140°F)
- Ambient Temperature Range- 0-40°C (104°F)
- Insulation Class- Class B
- Insulation Resistance- min 50 Mohm at 500 Vdc
- Dielectric Strength- 1500 Vac/1 minute
- Port Connection- 1/8-27 or 1/4-18 NPT
- Valve Body Material- PPS or PEEK
- Isolating Diaphragm Material- PTFE
- Valve Seat Seal Material- FPM or Perfluor
- 3-W Valve Stem Material- PCTFE



PKV-2K

### DIMENSIONS (MM)



### ORDERING INFORMATION

ABCDE

EXAMPLE: PKV-2RD1/4NG12V

A Model	B Orifice	C *Connection	D Valve Seat	E Voltage
PKV-2R= NC, PPS PKV-2K=NC, PEEK				
PKV-02R=NO, PPS PKV-02K=NO, PEEK	B= 4mm D= 6mm	1/8N= 1/8 NPT 1/4N= 1/4 NPT	F= FPM G= Perfluor	12V=12 VDC 24= 24 VDC
PKV-3R=3-way, PPS PKV-3K=3-way, PEEK				