



TitanEX™

MLP778-207

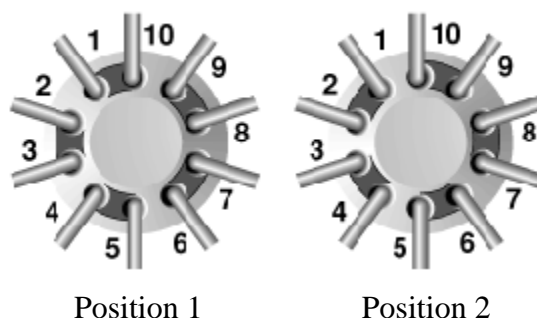
2-Position 10-Port

Description

The MLP778-207 is a low pressure, 2-position, 10-port motorized injection/switching valve. The design of this valve provides a small footprint. A unique patented* Tubing Connection System eliminates the need for threaded nuts and ferrules for tubing retention and liquid sealing.

Flow Diagram

A schematic of the valve flow switching pattern is shown below. The numbered circles represent the ports in the valve stator. The grooves represent the connecting passages in the rotor seal. Please note that this is a representation of the flow path and may not show the true position of the ports and grooves.



Specifications

Liquid Contacts: RPC-7

Port Size: Accepts 1/16" OD tubing directly into the valve

Flow Passage Diameters: 1.0-mm (0.040")

Volume in Flow Passages: Stator- 5.1 µL/hole

Rotor Seal- 2.3µL/groove

Maximum Pressure: 0.9 MPa (9 bar, 125 psi)

Motor: 5 ohm, spark-free, 7.5 degree stepper motor

Motor Power Requirements: 24 VDC \pm 5% at 1 Amp max

Motor Position Sensors: Optoelectric position sensors with encoder wheels

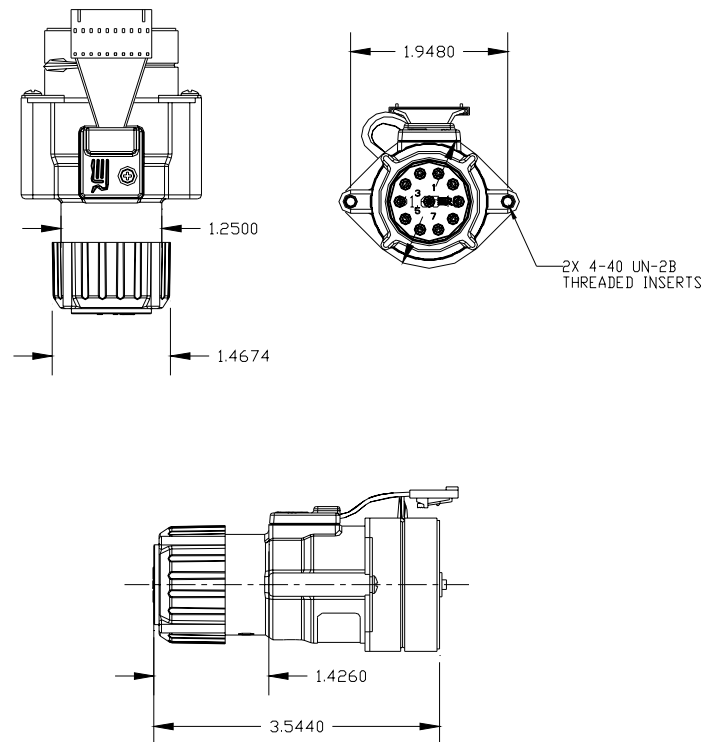
RoHS Compliant: Yes

* US Patent 7,014,222 dated 03/21/2006

Dimensional Drawings on page 2

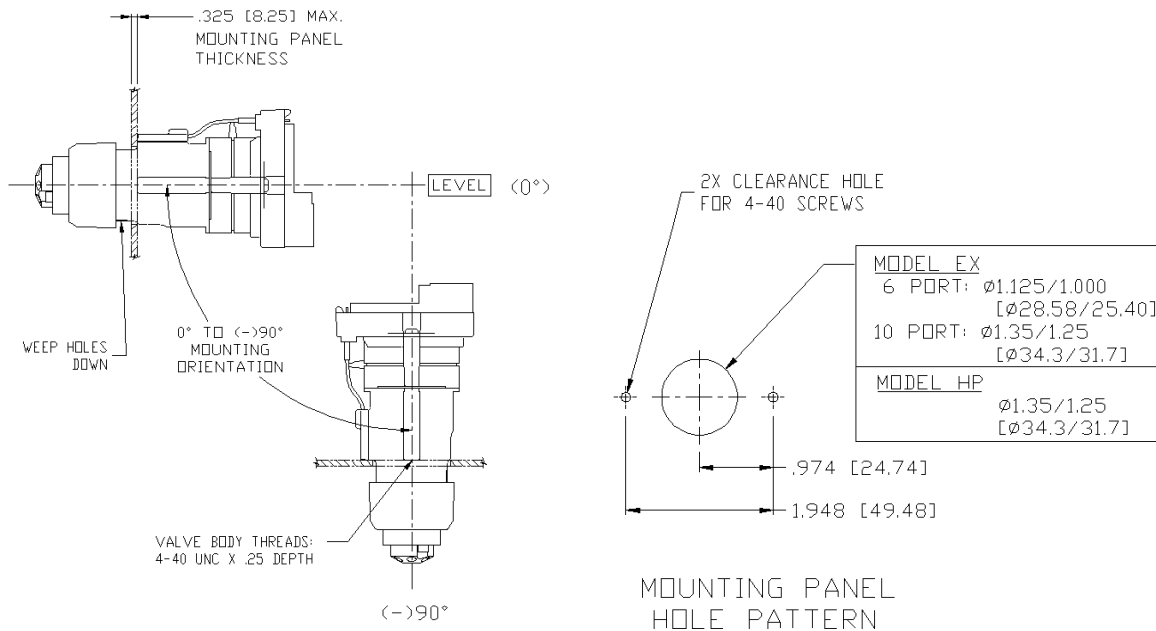
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Dimensions are in inches



* This model includes 1/16" O-rings at the base of the stator ports.

Mounting Orientation:



- Rheodyne valves are designed for use with fluids. Prolonged operation of the valve without fluid in contact with the valve's sealing surfaces may result in permanent damage and/or a loss of performance.