TitanHP™

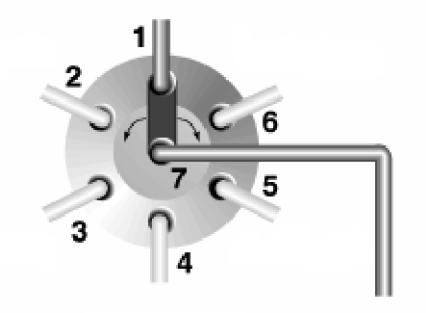
MHP7970-500-4
Selection Valve, 6 Position/7 Port

Description

The MHP7970-500-4 is a DuraLife®II 6-position, 7-port motorized valve with a circuit board. This board is referred to as the Motor Driver/Valve Controller Board and is programmed for 4-line BCD control. The design of this valve provides a small footprint.



Flow Diagram:
A schematic of the valve flow switching pattern is shown to the right. The numbered circles represent the ports in the valve stator. The dark groove represents the connecting passage in the rotor seal.



Specifications

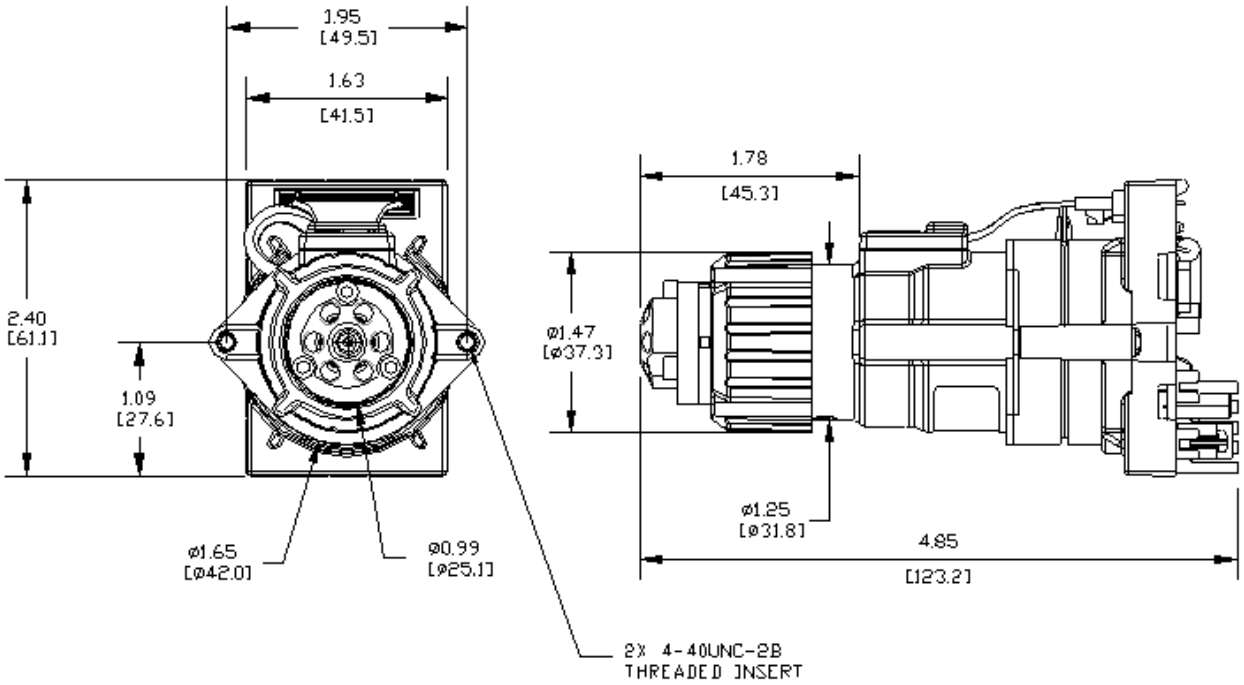
- **Liquid Contacts:** DuraLife®II SPC-2 coated Stator with Vespel blend rotor seal.
- **Connections:** Accepts 10-32 UNF-2B male threaded fittings
- **Flow Passage Diameters:** Stator 0.3mm (0.012”), Rotor Seal 0.25mm (0.010”).
- **Port-to-Port Volume:** 415nL
- **Operating Pressure:** Maximum pressure 414 bar (6,000 psi, 41 MPa)
- **Operating Humidity:** <95% humidity, non-condensing
- **Shipping and Storage Temperature:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.
- **Regulatory REACH and RoHS Compliance Information**: Yes

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Dimensional l Drawings
Dimensions are in inches [millimeters]
For Reference Only

NOTE: DuraLife® is not recommended for use with solutions containing formic acid.



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