

# Titan HP™

MHP7900-500-1

HPLC Injection Valve, 2-Position, 6-Port

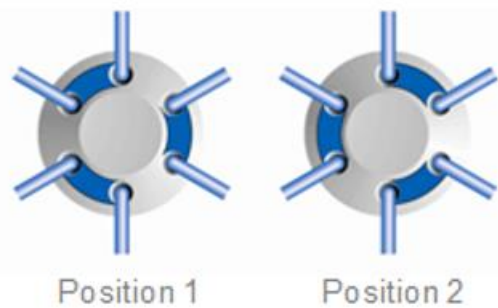
## Description

The MHP7900-500-1 is a 2-position, 6-port motorized valve. This valve includes a circuit board. This board is referred to as the Motor Driver/Valve Controller Board and is programmed for 1-line level 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 circles represent the ports in the valve stator. The grooves represent the connecting passages in the rotor seal.



### Specifications

- **Liquid Contacts:** DuraLife®, SPC-1 coated stainless steel 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:** 450nL
- **Operating Pressure:** Maximum pressure 414 bar (6,000psi, 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 Compliant:** Yes

# Dimensional I Drawings

Dimensions are in inches [millimeters]

For Reference Only

