

TitanHP™

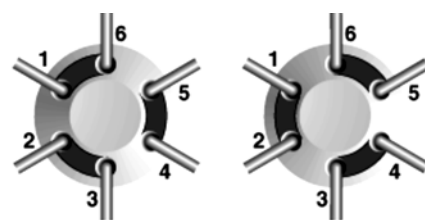
MHP7900-500-1 2-Position, 6-Port

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 numbered circles represent the ports in the valve stator. The grooves represent the connecting passages in the rotor seal.



Position A

Position B

Specifications

- › **Liquid Contacts:** DuraLife®
- › **Port Size:** Accepts 10-32 male threaded fittings
- › **Flow Passage Diameters:** *Stator-* 0.3-mm (0.012"), *Rotor Seal-* 0.25-mm (0.010").
- › **Port to Port Volume:** 450nL
- › **Maximum Pressure:** 41 MPa (414 bar, 6000 psi).
- › **Motor:** 5 ohm, spark-free, 7.5 degree stepper motor
- › **Actuation Time:** 100ms
- › **Communication:** 1-Line Level Logic
- › **Drive Board Power Supply Requirements:** 24 VDC ± 5% at 1 Amp max
- › **Quiescent Current:** 20mA
- › **RoHS Compliant:** Yes

NOTE: Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

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

MHP7900-500-1 Dimensional Drawing

Dimensions are in inches [millimeters]

