

TitanHP™

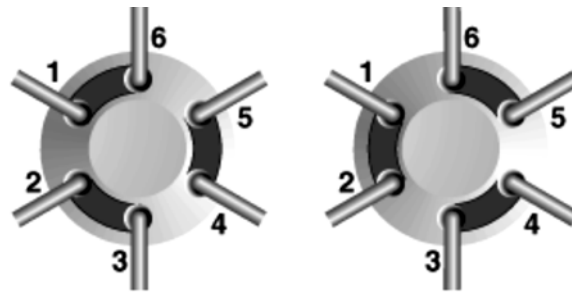
MHP7900-000 2-Position, 6-Port

Description

The MHP7900-000 is a DuraLife® 2-position, 6-port motorized valve. The design of this valve provides a small footprint.

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.



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
- › **Motor Power Requirements:** 24 VDC ± 5% at 1 Amp max
- › **Motor Position Sensors:** Optoelectric position sensors with encoder wheels
- › **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.

MHP7900-000 Dimensional Drawing

Dimensions are in inches [millimeters]

