



TitanHP™

MHP9900-500-1

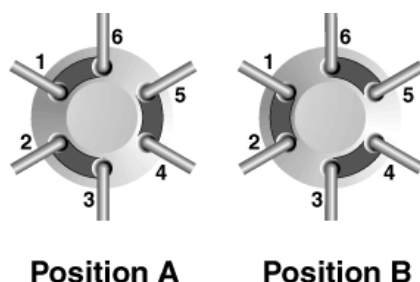
2-Position, 6-Port

Description

The MHP9900-500-1 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 below. The numbered circles represent the ports in the valve stator and stator face assembly. The grooves represent the connecting passages in the rotor seal.



Specifications

Liquid Contacts: PEEK

Port Size: Accepts 10-32 male threaded fittings

Flow Passage Diameters: *Stator-* 0.3-mm (0.012"), *Stator Face Seal-* 0.23-mm (0.009"), *Rotor Seal-* 0.25-mm (0.010").

Port to Port Volume: 660nL

Maximum Pressure: 35 MPa (345 bar, 5000 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 \pm 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.

Dimensional Drawings on page 2

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Dimensions are in inches/millimeters

