



TitanHP™

MHP7970-000

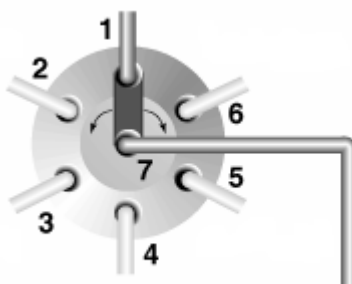
6-Position, 7-Port

Description

The MHP7970-000 is a DuraLife®II 6-position, 7-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 dark groove represents the connecting passage in the rotor seal.



Specifications

Liquid Contacts: DuraLifeII

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: 415nL

Maximum Pressure: 41 MPa (414 bar, 6000 psi).

Motor: 5 ohm, spark-free, 7.5 degree stepper motor

Motor Power Requirements: 24 VDC \pm 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.

Dimensional Drawings on page 2

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Dimensions are in inches/millimeters

