



TitanHP™

MHP7920-000

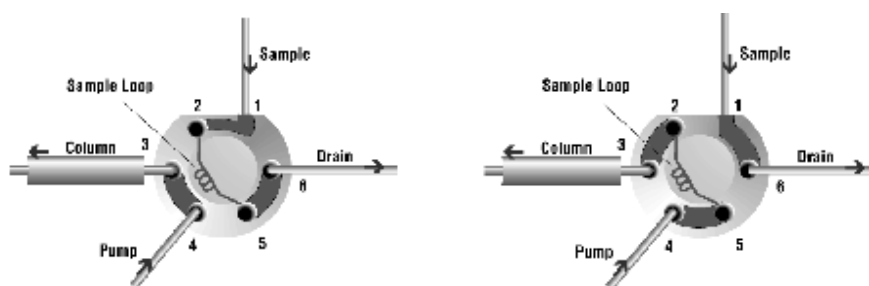
2-Position, 6-Port

Description

The MHP7920-000 is a 2-position, 6-port motorized valve with a vertical port. 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 6 (Load)

Position 1 (Inject)

Specifications

Liquid Contacts: DuraLife®

Port Size: Accepts 10-32 male threaded fittings

Flow Passage Diameters: *Stator-* 0.3-mm (0.012") and 0.25-mm (0.010") for vertical port, *Rotor Seal-* 0.25-mm (0.010").

Port to Port Volume: 445nL and 586nL with vertical port

Maximum Pressure: 41 MPa (413 bar, 6000 psi).

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

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

