



TitanHP™

MHP7986-000

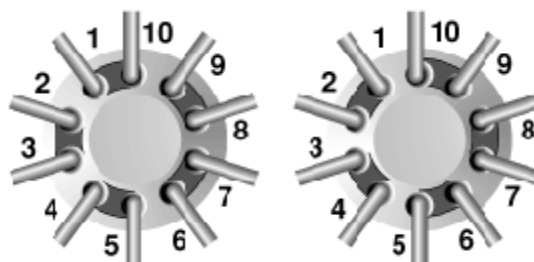
2-Position, 10-Port

Description

The MHP7986-000 is a 2-position, 10-port nano-scale 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 grooves represent the connecting passages in the rotor seal.



Specifications

Liquid Contacts: DuraLife®II

Port Size: Accepts M4 x .7 male threaded fittings

Port to Port Volume: 24nL

Maximum Pressure: 35 MPa (345 bar, 5000 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]

