

# MX Series II™

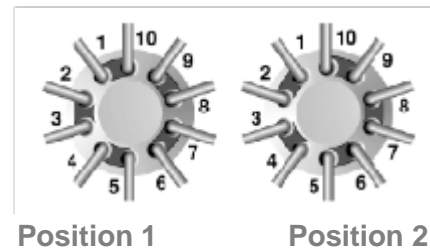
## MXP7986-000 2-Position, 10-Port

### Description

The MXP7986-000 is a 2-position, 10-port motorized nano-scale switching valve.

### Flow Diagram

A schematic of the valve flow-switching pattern is shown to the right. The numbered circles represent the ports in the valve stator. The grooves represent the connecting passages in the rotor seal. Please note that this is a representation of the flow path and may not show the true position of the ports and grooves.



### Specifications

- › **Liquid Contacts:** DuraLife® II: coated titanium stator and polyimide-based rotor seal
- › **Port Size:** Accepts M4 x .7 male threaded fittings
- › **Port to Port Volume:** 24 nL
- › **Maximum Pressure:** 35 MPa (345 bar, 5000 psi).
- › **Communication:** 1-line level logic, USB, or I<sup>2</sup>C (default) or RS-232 (factory set)
- › **Electrical Requirements:** 24 VDC, 1.88 A
- › **Cabling:** Connected cables should not exceed 3 meters in length
- › **RoHS Compliant:** Yes

### Supplied With

- › RheFlex® One-Piece PEEK fitting sets with colored ChromTRAC™ knobs (10)
- › Adhesive feet (4)
- › Universal power supply
- › Power cord (multi-national cords available)
- › Interface cable
- › USB cable

**NOTE:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

**MXP7986-000 Dimensional Drawing**  
 Dimensions are in inches [millimeters]

