

# MX Series II<sup>TM</sup>

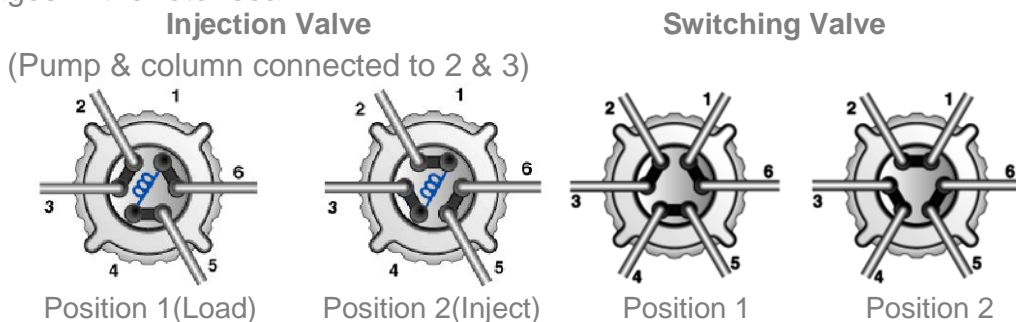
## MXX777-601 2-Position, 6-Port

### Description

The MXX777-601 is a low pressure, 2-position, 6-port motorized valve. A unique patented\* tubing connection system eliminates the need for threaded nuts and ferrules for tubing retention and liquid sealing. The small compact stand-alone unit is typically used as a switching and/or injection valve.

### Flow Diagram

The numbered circles represent the ports in the valve ram and stator. The dark grooves represent the connecting passages in the rotor seal.



### Specifications

- › **Liquid Contacts:** RPC-7
- › **Port Size:** Accepts 1/16" or 1/8" OD tubing directly into the valve (see diagram on page 2)
- › **Flow Passage Diameters:** 0.41 mm (0.016")
- › **Volume in Flow Passages:** *Stator:* 0.2 µL/hole, *Rotor Seal:* 1.3 µL/groove
- › **Maximum Pressure:** 0.9 MPa (9 bar, 125 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

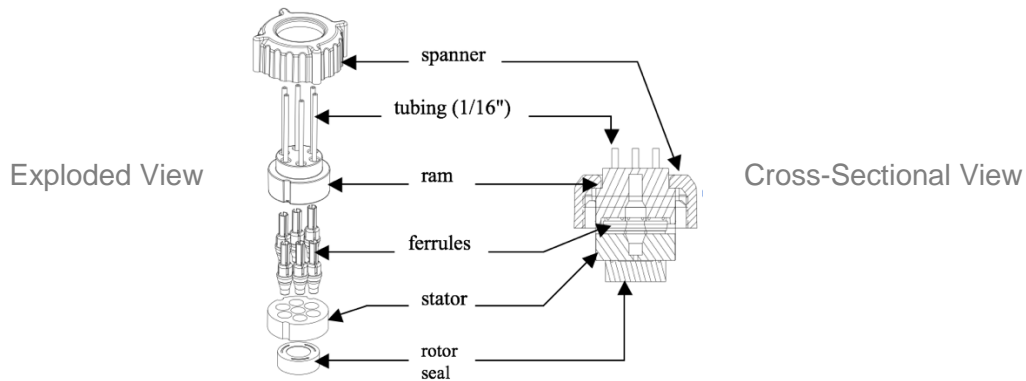
\* US Patent 7,014,222 dated 03/21/2006

### Supplied With

- › 1/16" TitanEX ferrules (6)
- › 1/8" TitanEX ferrules (6)
- › 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.**

### Tubing Connection Detail



### MXX777-601 Dimensional Drawing

Dimensions are in inches [millimeter]

