



MX Series II™

MXX777-601

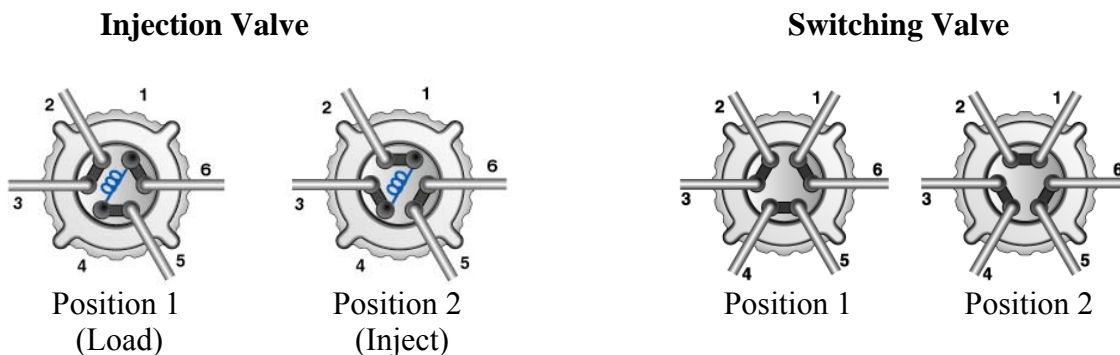
2-Position, 6-Port

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 (.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 I²C

Electrical Requirements: 24VDC, 1.88A

Cabling: Connected cables should not exceed 3 meters in length

RoHS Compliant: Yes

Supplied With

(6) 1/16" TitanEX ferrules (6) 1/8" TitanEX ferrules, (4) Adhesive Feet, Universal Power Supply, Power Cord (multi-national cords available), Interface Cable, and USB Cable.

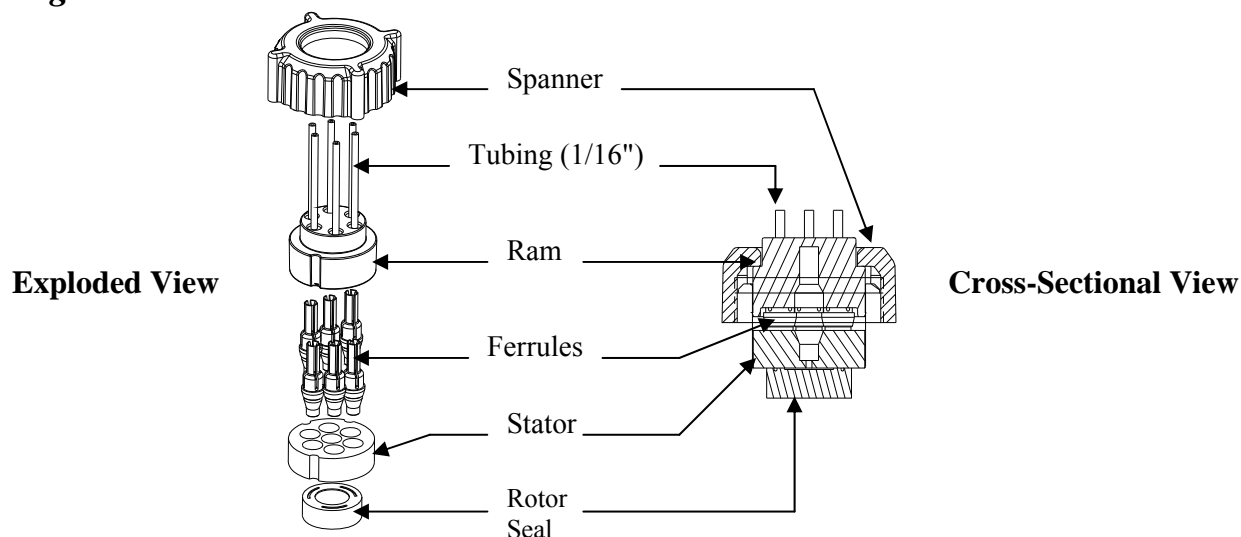
NOTE: Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

NOTE: Under normal operating conditions, this valve will stop actuating when the seals need to be replaced. Rebuilding the liquid-end with the proper RheoBuild® Kit will return the valve to its functional state.

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

Tubing Connection Detail and Dimensional Drawings on page 2

Tubing Connection Detail



* This model includes 1/16" O-rings at the base of the stator ports. These must be removed for use with 1/8" ferrules and tubing.

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Dimensions are in inches [millimeters]

