

MX Series IITM

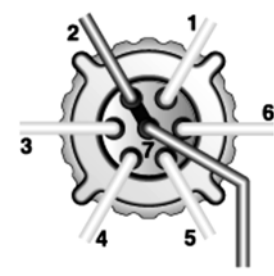
MXX777-616 6-Position, 7-Port

Description

The MXX777-616 is a low pressure, 6-position, 7-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 selection valve.

Flow Diagram

The numbered circles represent the ports in the valve ram and stator. The dark groove represents the connecting passage 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:** 1.5 mm (0.060")
- › **Volume in Flow Passages:** *Stator-* 6.9 µL/hole, *Rotor Seal-* 14.2 µL/groove
- › **Maximum Pressure:** 0.9 MPa (9 bar, 125 psi).
- › **Communication:** 4-line BCD, USB, or I²C (default) or RS-232 (factory set)
- › **Electrical Requirements:** 24 VDC, 1.88 A
- › **Cabling:** Connected cables should not exceed 3 meters in length

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

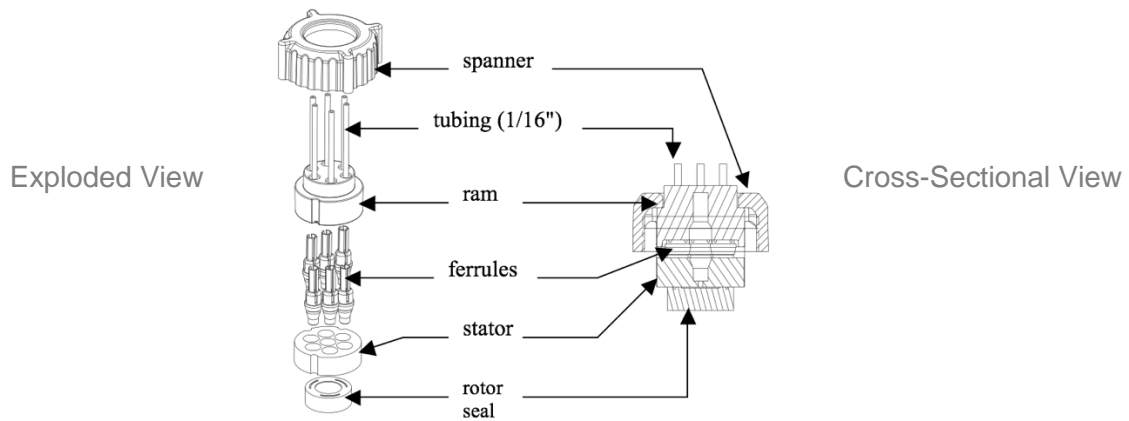
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Supplied With

- › 1/16" TitanEX ferrules (7)
- › 1/8" TitanEX ferrules (7)
- › Adhesive feet (4)
- › Universal power supply
- › Power cord (multi-national cords available)
- › Jumper wires (3)
- › 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



MXX777-616 Dimensional Drawing

Dimensions are in inches [millimeter]

