



# MX Series II™

## MXX777-616

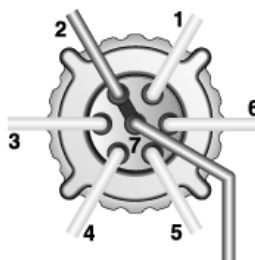
### 6-Position, 7-Port

#### *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 (.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 I<sup>2</sup>C

**Electrical Requirements:** 24VDC, 1.88A

**Cabling:** Connected cables should not exceed 3 meters in length

#### *Supplied With*

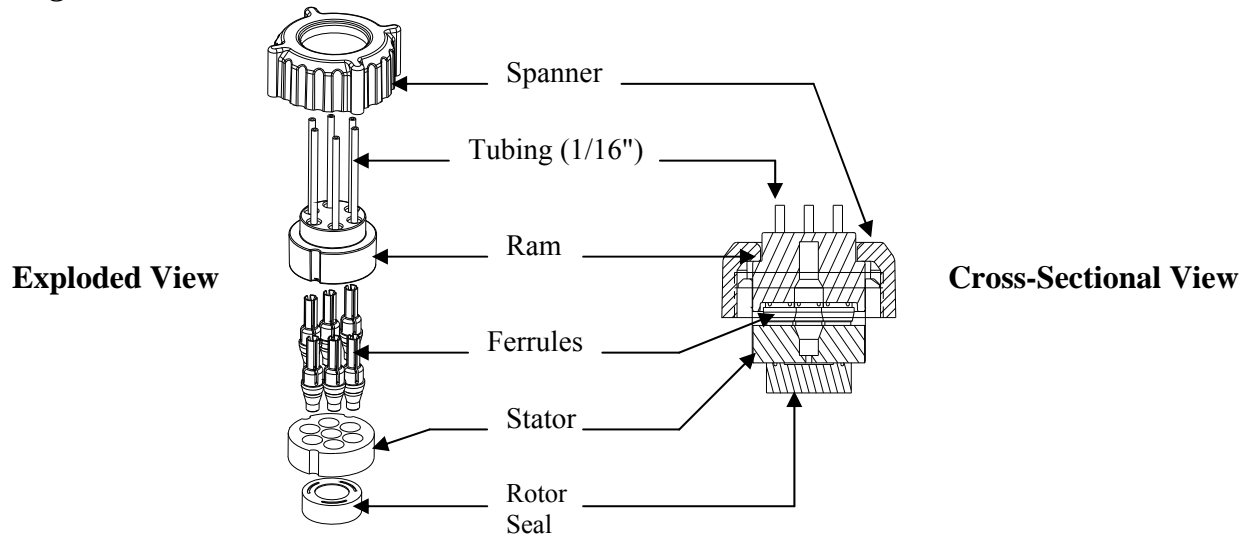
(7) 1/16" TitanEX ferrules (7) 1/8" TitanEX ferrules, (4) Adhesive Feet, Universal Power Supply, Power Cord (multi-national cords available), (3) jumper wires, an Interface Cable, and USB cable.

**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 RheBuild® 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***



***MXX777-616***

Dimensions are in inches [millimeters]

