



# MX Series II™

## MXX777-605

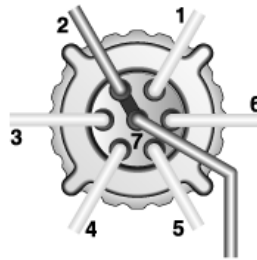
### 6-Position, 7-Port

#### **Description**

The MXX777-605 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 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:** 1.0-mm (.040")

**Volume in Flow Passages:** *Stator-* 1.0 µL/hole, *Rotor Seal-* 4.3 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

**RoHS Compliant:** Yes

#### **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.

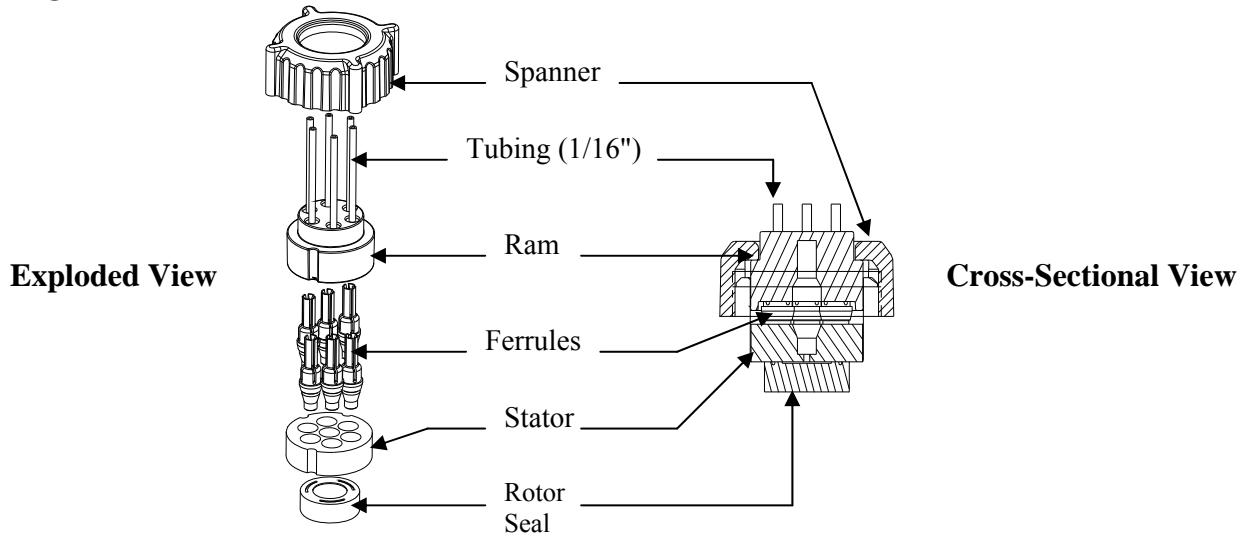
**NOTE:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

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



## MX777-605

Dimensions are in inches [millimeters]

