



MX Series II™

MXX778-605

10-Position, 11-Port

Description

The MXX778-605 is a low pressure, 10-position, 11-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 flow switching pattern of the valve is shown below. The circles represent the ports in the valve ram and stator. The dark slot 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: 1.0-mm (0.040")

Volume in Flow Passages: *Stator- Center Port* - 3.1 µL/hole, *Peripheral Ports* - 5.1 µL/hole, *Rotor Seal*- 3.4 µL/groove

Maximum Pressure: 0.9 MPa (9 bar, 125 psi)

Communication: 4-line BCD, USB, or I²C

Electrical Requirements: 24VDC, 1.88A

Cabling: Connected cables should not exceed 3 meters in length

RoHS Compliant: Yes

Supplied With

(11) 1/16" TitanEX ferrules, (11) 1/8" TitanEX ferrules, (4) Adhesive Feet, Universal Power Supply, Power Cord (multi-national cords available), Interface Cable, (3) jumper wires, and a USB cable.

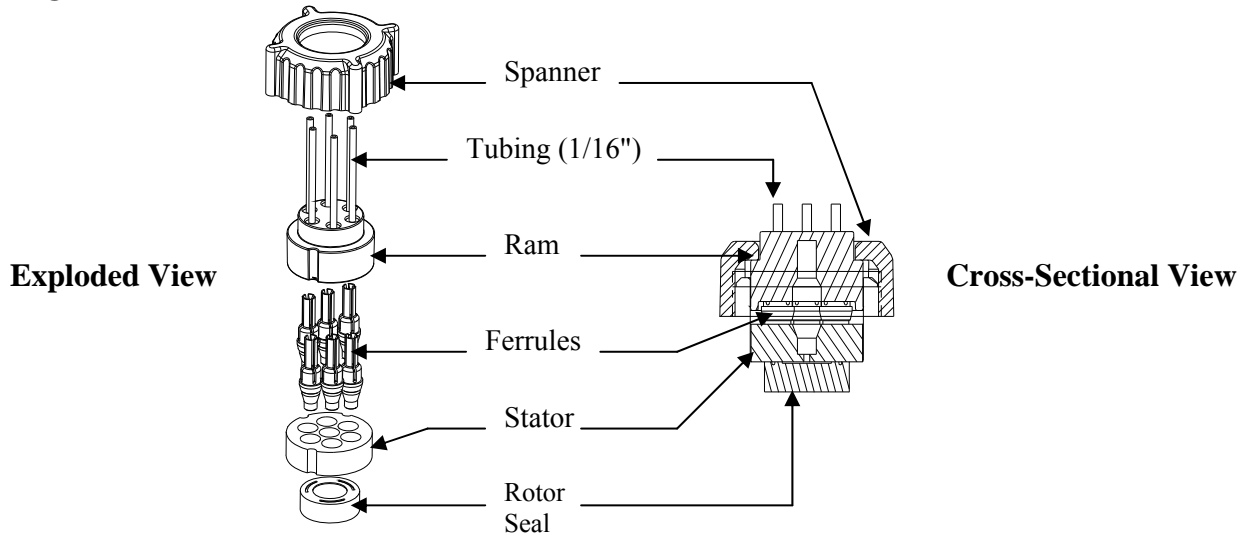
NOTE: Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

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



* 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.

MXX778-605

Dimensions are in inches [millimeters]

