



MX Series II™

MXT715-000

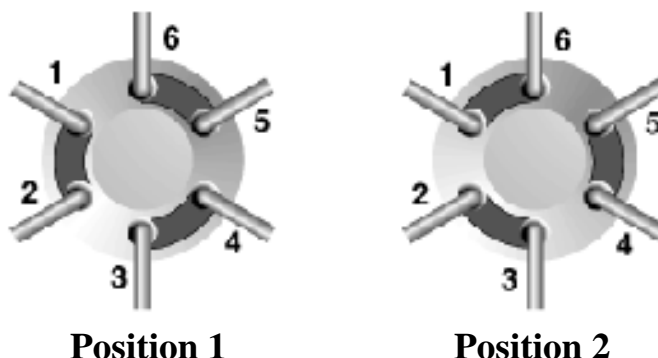
2-Position, 6-port

Description

The MXT715-000 is an Ultralife™ 2-position, 6-port motorized valve with patented MBB® “Make-Before-Break” architecture. The MBB design insures that flow is not interrupted when the injector is switched between LOAD and INJECT when a loop is installed between ports 1 and 4. The small compact stand-alone unit is typically used as a switching and/or injection valve.

Flow Diagram

The flow switching pattern of the valve is shown below. The numbered circles represent the ports in the valve stator and stator face assembly. The dark grooves represent the connecting passages in the rotor seal. Please note that this is a representation of the flow path and may not show the true position of the ports and grooves. To make use of the MBB feature for an injection style valve, a loop must be installed between ports 1 and 4, the high-pressure pump should be plumbed in port 5, and port 6 should be connected to the column.



Specifications

Liquid Contacts: Ultralife

Port Size: Accepts 10-32 male threaded fittings

Flow Passage Diameters: *Stator:* 0.28-mm (0.011”), *Rotor Seal:* 0.3 mm (0.012”)

Volume in Flow Passages: *Stator:* 0.1 µL/hole, *Rotor Seal:* 0.1 uL/groove

Maximum Pressure: 15,000 psi (103 MPa, 1,034 bar)

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) high pressure fitting sets, (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 RheBuild® Kit will return the valve to its functional state.

Dimensional Drawings on page 2

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Dimensions are in inches[millimeters]

