

TitanEZ™

EZ011-820-4

Selection Valve, 10 position/ 11 port

Description

The EZ011-820-4 is a 10-position, 11-port ceramic-on-ceramic motorized valve. The valve has an Ultra-High Molecular Weight Polyethylene (UHMWPE) stator with a FFKM gasket that insures a leak free seal between the UHMWPE and ceramic surfaces. Included with the valve is a Motor Driver/Valve Controller Board programmed for 4-line BCD control. The valve has a small footprint and is capable of millions of actuations due to the ceramic-on-ceramic dynamic surfaces. Included are two 4-40 x 5/16" long mounting screws and findings for 1/8" OD tubing.



Flow Diagram:

The flow switching pattern is shown to the right. Please note that this is a representation of the flow path and may not show the true position of the ports and grooves.



Specifications

- **Liquid Contacts:** TZP Ceramic with proprietary coating, UHMWPE, and FFKM
- **Connections:** Accepts 1/4-28 male threaded fittings for flat bottom ports
- **Flow Passage Diameters:** Stator 0.060" (1.52mm), Stator Face 0.060" (1.52mm), Rotor Seal 0.060" (1.52mm)
- **Port-to-Port Volume:** 75.9µL
- **Operating Pressure:** Maximum pressure 5.2 bar (75 psi, 0.51 MPa)
- **Operating Humidity:** <95% humidity, non-condensing
- **Shipping and Storage Temperature:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.
- **Regulatory REACH and RoHS Compliance Information:** Yes

Dimensional I Drawings

Dimensions are in inches [millimeters]

For Reference Only

