

TitanHT™

HT715-000

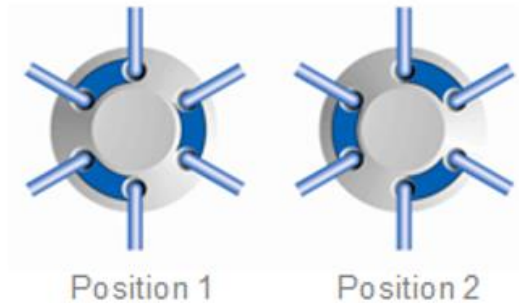
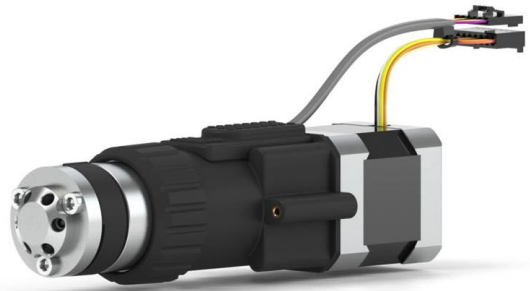
Injection Valve, 2 Position/6 Port

Description

The HT715-000 is an Ultralife™ 2-position, 6-port motorized switching valve with IDEX Health & Science's® unique MBB® "Make-Before-Break" architecture. The MBB design ensures that flow is not interrupted when the injector is switched between LOAD and INJECT when a loop is installed between ports 1 and 4.

Flow Diagram:

The flow switching pattern of the valve is shown to the right. The six circles represent the ports in the valve stator. The dark slots represent the connecting passages in the rotor seal. The valve rotates 60° between positions one and two. 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™ a SPC-3 coated stator with an advanced PEEK-based rotor seal.
- **Connections:** Accepts 10-32 UNF-2B male threaded fittings
- **Flow Passage Diameters:** Stator: 0.28mm (0.011"), Rotor Seal: 0.3mm (0.012")
- **Port-to-Port Volume:** 0.3µL
- **Operating Pressure:** Maximum pressure 1,034 bar (15,000 psi, 103 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 Compliant:** Yes

Dimensional I Drawings

Dimensions are in inches [millimeters]

For Reference Only

