

# TitanHT™

HT715-121

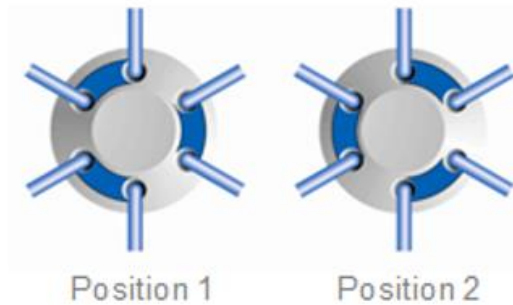
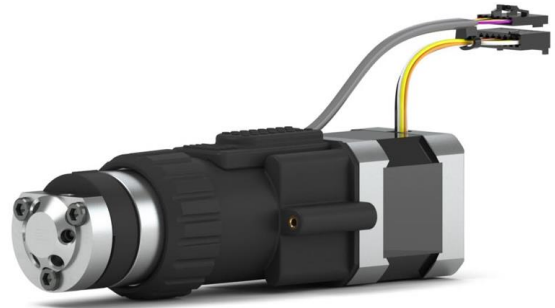
Injection Valve Vertical Port, 2 Position/6 Port

## Description

The HT715-121 is an UltraLife™ 2-position, 6-port motorized vertical port 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 2 and 5.

### Flow Diagram:

The flow switching pattern of the valve is shown to the right. The dark circles represent the ports in the valve stator. The dark slots 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.



## Specifications

- **Liquid Contacts:** UltraLife™ coated stainless steel and an advanced PEEK based polymer, RPC-10, rotor seal.
- **Connections:** Accepts 10-32 UNF-2B male threaded fittings
- **Flow Passage Diameters:** Stator: 0.28mm (0.011"), Rotor Seal: 0.30mm (0.012")
- **Port-to-Port Volume:** 340nL (448nL with vertical port)
- **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

