Specification Sheet

# TitanHT™

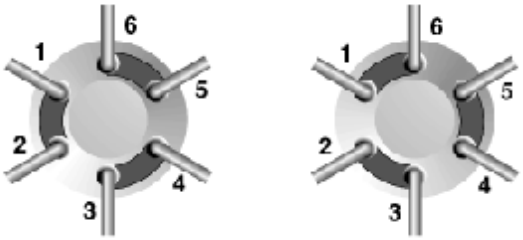
## HT715-000
## 2-Position, 6-Port

### Description

The HT715-000 is an Ultralife™ 2-position, 6-port motorized switching valve with Rheodyne's® unique 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.

### Flow Diagram

The flow switching pattern of the valve is shown below. 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.




**Position A** **Position B**

### Specifications

**Liquid Contacts:** Ultralife
**Connections: 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)
**Maximum Operating Temperature:** Actuator 60°C, Pod 90°C
**Position Sensors:** Optoelectric position sensors with encoder wheels
**RoHS-Compliant:** Yes
**Electrical:** Consult factory. Position A (Load with loop installed) corresponds to encoder Position 2 and Position B corresponds to encoder Position 3 (disregard if using Rheodyne PCB and level logic command mode).
**Separate Sale PCBA PN**: 8382-108

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

## Dimensional Drawing

Dimensions are in inches/millimeters