



# EV700-100 & EV750-100

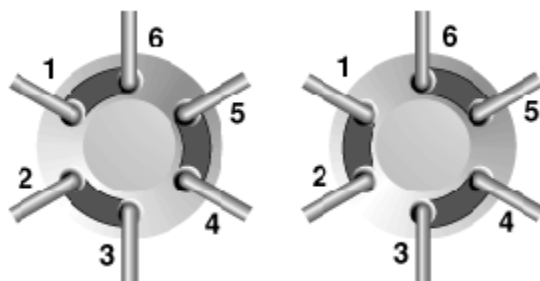
## 2-Position, 6-Port

### **Description**

The EV700-100 is a stainless steel 2-position, 6-port motorized valve. The EV750-100 is the PEEK version. The ready-to-use stand-alone unit is 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.



**Position A**

**Position B**

### **Specifications**

**Liquid Contacts:** *EV700-100*- Stainless steel, PEEK, and alumina ceramic, *EV750-100*- PEEK and alumina ceramic

**Port Size:** Accepts 10-32 male threaded fittings

**Flow Passage Diameters:** *Stator*-0.4-mm (.015"), *Stator Face Seal*-0.5-mm (0.019"), *Rotor Seal*-0.5-mm (.018")

**Volume in Flow Passages:** *Stator* (includes stator face seal)- 0.6 uL/hole, *Rotor Seal*- 0.3 uL/groove

**Maximum Pressure:** 35 MPa, 345 bar, 5000 psi

**Communication:** 1-line level logic unless the part number includes (-S2). The (-S2) signifies RS-232 serial communication.

### **Supplied With**

(6) RheFlex® One-Piece PEEK fitting sets with (6) colored ChromTRAC™ knobs attached, (2) Hex Keys, Universal Power Supply, Power Cord (multi-national cords available) and (2) Connecting Wires (1.8 meters [6 feet] each). *Note: Included with the -S2 model is a RS-232 interface cable in place of the connecting wires.*

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

**Dimensional Drawings on page 2**

## EV700-100 & EV750-100

Dimensions are in inches/millimeters

