

EV700-105 and EV750-105

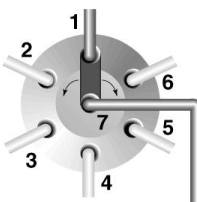
6-Position, 7-Port Selector

Description

The EV700-105 is a stainless steel 6-position, 7-port motorized valve. The EV750-105 is the PEEK version. The ready-to-use stand-alone unit is used as a selection valve.

Flow Diagram

A schematic of the valve flow switching pattern is shown below. The numbered circles represent the ports in the valve stator. The dark groove represents the connecting passage in the rotor seal.



Specifications

Liquid Contacts: **EV700-105:** Stainless Steel and PEEK **EV750-105:** PEEK

Port Size: Accepts 10-32 male threaded fittings

Flow Passage Diameters: **Stator**-0.38-mm (.015"), **Rotor Seal**- 0.30-mm (.012")

Volume in Flow Passages: **Stator** (includes stator face assembly)- 0.9uL/hole (both vertical and angled ports), **Rotor Seal**- 0.1uL/groove

Maximum Pressure: 35 MPa (345 bar, 5000 psi)

Communication: 4-line BCD unless the part number includes (-S2). The (-S2) signifies RS-232 serial communication.

RoHS Compliant: Yes

Supplied With

(7) RheFlex® One-Piece PEEK fitting sets with (7) colored ChromTRAC™ knobs attached, (2) Hex Keys, Universal Power Supply, Power Cord (multi-national cords available) and (5) 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

Dimensional Drawings

Dimensions are in inches [millimeters]

