



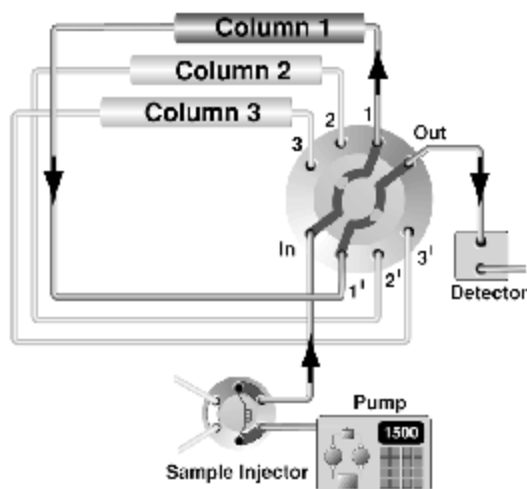
EV500-100 and EV550-100 3-Position Column Selector

Description

The EV500-100 Column Selector is a stand-alone ready-to-use unit that includes a stainless steel 3-position, 8-port motorized selection valve. The EV550-100 is the PEEK version. The design incorporates a unique patented TeleFLO® architecture that insures no unswept volume. Plumbing the Column Selector requires a sample injector connected to the IN port and a detector connected to the OUT port. When the Column Selector is in position 1, the column plumbed to ports 1 and 1' is in line with the injector and detector.

Flow Diagram

A schematic of the flow switching pattern of the Column Selector is shown below. The valve is connected to a detector and an injector. In reference to the EV500-100 and EV550-100, the numbers, (column inlets 1-3, column outlets 1'-3') and the In/Out call-outs indicate the locations of the stator ports. The dark grooves represent the connecting passages in the rotor seal and stator face assembly.



Specifications

Liquid Contacts: EV500-100- stainless steel and PEEK, EV550-100- PEEK

Port Size: Accepts 10-32 male threaded fittings for 1/16" tubing

Flow Passage Diameters: Stator -0.61-mm (0.024"), Rotor Seal and Stator Face Seal - 0.38-mm (0.015")

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

Communication: 4-line BCD

Supplied With

(14) PEEK RheFlex® One-Piece Fingertight fittings with (14) 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: 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

EV500-100 and EV550-100
Dimensions are in inches/millimeters

