

EV501-104 & EV551-104

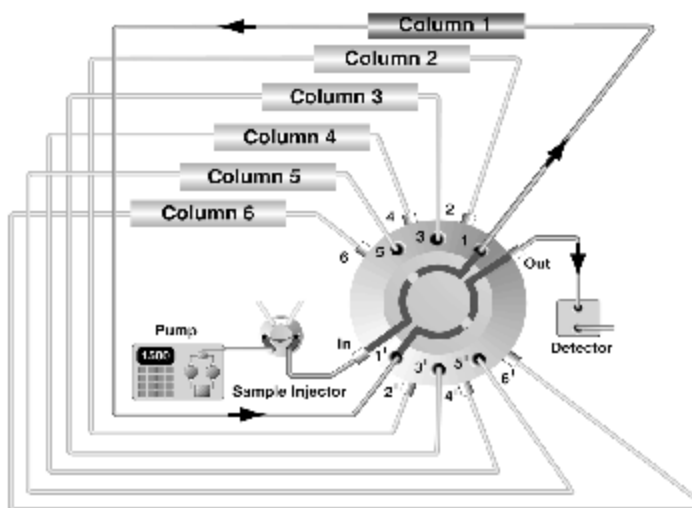
6-Position Column Selector

Description

The EV501-104 Column Selector is a stand-alone ready-to-use unit that includes a stainless steel 6-position, 14-port motorized selection valve in a compact enclosure. The EV551-104 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 EV501-104 and EV551-104, the numbers (column inlets 1-6, column outlets 1'-6') 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: *EV501-104*- stainless steel and PEEK, *EV551-104*- PEEK

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

Flow Passage Diameters: *Stator* -0.6-mm (.024"), *Rotor Seal and Stator Face Seal* - 0.4-mm (.015")

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

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

EV501-104 and EV551-104

Dimensions are in inches/millimeters

