



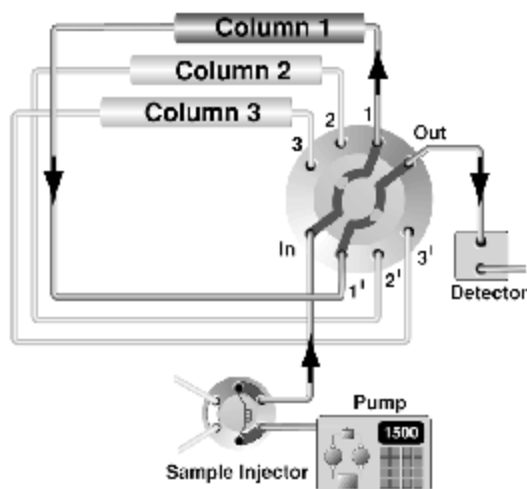
# EV501-100 and EV551-100 3-Position Column Selector

## Description

The EV501-100 Column Selector is a stand-alone ready-to-use unit that includes a stainless steel 3-position, 8-port motorized selection valve in a compact enclosure. The EV551-100 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 EV501-100 and EV551-100, 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:** *EV501-100*- stainless steel and PEEK, *EV551-100*- 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* - 0.38-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, 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

## EV501-100 and EV551-100

Dimensions are in inches/millimeters

