

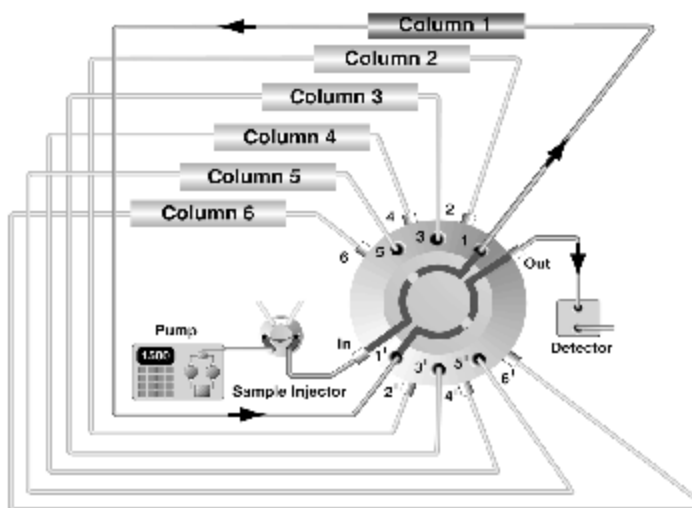
# EV500-104 & EV550-104 6-Position Column Selector

## Description

The EV500-104 Column Selector is a stand-alone ready-to-use unit that includes a stainless steel 6-position, 14-port motorized selection valve. The EV550-104 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 EV500-104 and EV550-104, 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:** *EV500-104*- stainless steel and PEEK, *EV550-104*- 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, 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**

**EV500-104 and EV550-104**  
Dimensions are in inches/millimeters

