

# Manual Sample Injection Valve

9725i

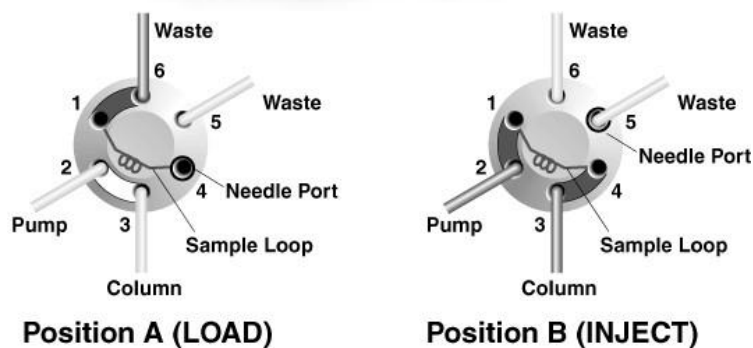
Analytical PEEK Valve with Sensing Switch

## Description

The 9725i is a PEEK 2-position, 6-port, front-loading sample injection valve. The unique design of this injector includes IDEX Health and Science unique Make-Before-Break (MBB<sup>®</sup>) architecture. This feature allows continuous flow between LOAD and INJECT positions. A 20 $\mu$ L sample loop is connected between Ports 1 and 4.

### Flow Diagram:

The flow switching pattern of the valve is shown to the right. The numbered circles represent the ports in the valve ram and stator. The dark groove represents the connecting passages in the rotor seal.



### Specifications

- **Liquid Contacts:** PEEK, Tefzel, and ceramic
- **Connections:** Accepts 10-32 UNF-2B male threaded fittings
- **Flow Passage Diameters:** 0.4mm (0.018") and 0.6mm (0.024")
- **Port-to-Port Volume:** 5.87 $\mu$ L
- **Operating Pressure:** Maximum 359 bar (5,200 psi, 36 MPa)
- **Operating Humidity:** <95% humidity, non-condensing
- **Shipping and Storage Temperature:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces
- **Regulatory REACH and RoHS Compliant:** Yes

### Supplied With

- (2) Hex Wrench
- (2) Mounting Screws
- (2) Vent Lines
- (1) Needle Port Cleaner
- (3) Long Nuts
- (1) Extra Long Nut
- (4) Ferrules

Power cord not included. Cords are available for separate purchase.