

Manual Sample Injection Valve

7725i

Analytical Front Loading Injection Valve

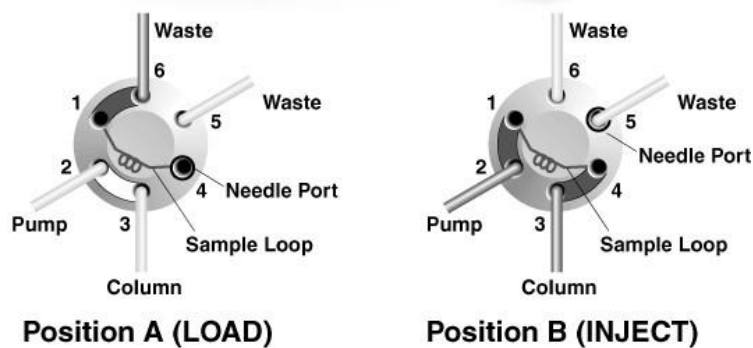
Description

The 7725 is a stainless steel 2-position front-loading sample injection valve. The (i) version is identical except for the additional built-in position sensing switch. The unique design of this injector includes IDEX Health & Science® unique Make-Before-Break (MBB®) architecture. This feature allows continuous flow between LOAD and INJECT positions. A 20µL 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:** Stainless steel, Vespel 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:** 3.4µL
- **Operating Pressure:** Maximum 483 bar (7,000 psi, 48 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

Dimensional | Drawings

Dimensions are in inches [millimeters]
For Reference Only

