

Manual Sample Injection Valve

7725i-188

Analytical 600 bar Syringe Injection Valve

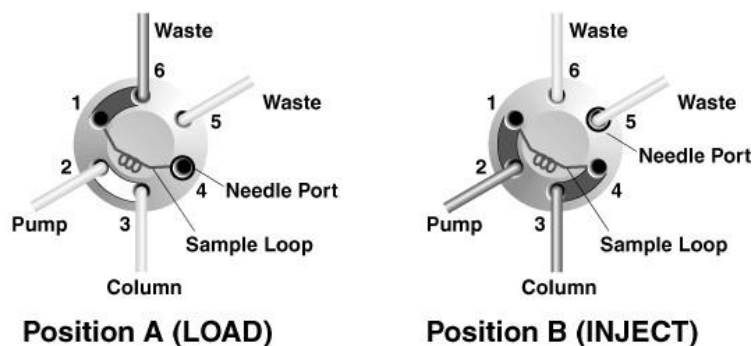
Description

The 7725i-188 is a 2-position, 6-port manual front loading injection valve set to 600 bar. The design of this injector includes IDEX Health & Science's® 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, ceramic, PEEK, RPC-10
- **Connections:** Accepts 10-32 UNF-2B male threaded fittings
- **Flow Passage Diameters:** Stator 0.46mm (0.018"); Stator Face Assembly 0.46mm (0.018") (ceramic) and 0.51mm (0.020") (PEEK); Rotor Seal 0.46mm (0.018")
- **Port-to-Port Volume:** 4.11µL
- **Operating Pressure:** Maximum 600 bar (8,702 psi, 60 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 Keys
- (2) Mounting Screws
- (2) Vent Lines
- (1) Needle Port Cleaner
- (3) Long Nuts
- (1) Extra Long Nut
- (4) Ferrules

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

Dimensional I Drawings

Dimensions are in inches [millimeters]

For Reference Only

