

7725i-188

2-Position, 6-Port Syringe Loading Injector, 600 Bar

Description

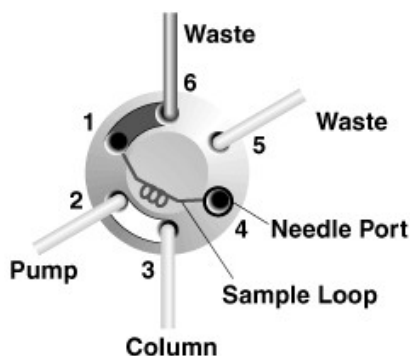
The 7725i-188 is a 2-position, 6-port manual front loading injection valve set to 600 bar. The design of this injector includes IDEX Health & Science's® unique Make-Before-Break (MBB®) architecture. This feature allows continuous flow between LOAD and IN-JECT positions. A 20 µL sample loop is connected between Ports 1 and 4. A 20 µL sample loop is connected between Ports 1 and 4.

The valve is supplied with;

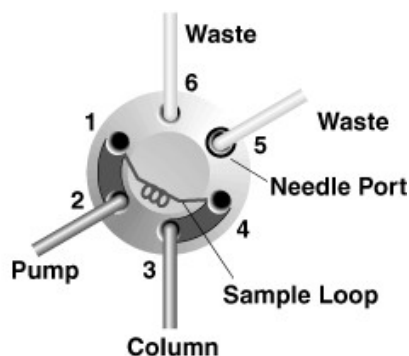
- › Hex keys (2)
- › Mounting screws (2)
- › Vent lines (2)
- › Needle port cleaner (1)
- › Long nuts (3)
- › Extra long nut (1)
- › Ferrules (4)

Flow Path

A schematic of the valve flow switching pattern is shown below. The numbered circles represent the ports in the valve stator and stator face assembly. The dark lines represent the connecting passages in the rotor seal and stator face seal.



Position A (LOAD)



Position B (INJECT)

Specifications

- › Liquid Contacts: Stainless steel, ceramic, PEEK, RPC-10
- › Port Size: Accepts 10-32 male threaded fittings
- › Flow Passage Diameters: Stator: 0.46 mm (0.018"); Stator Face Assembly: 0.46 mm (0.018") (ceramic) and 0.51 mm (0.020") (PEEK); Rotor Seal: 0.46 mm (0.018")
- › Volume in Flow Passages: Stator: 0.79 µL/hole; Stator Face Assembly: 0.95 µL/hole; Rotor Seal: 0.63 µL/groove
- › Pressure: 600 bar (8702 psi, 60 MPa)
- › RoHS Compliant: Yes

NOTE: Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces

Dimensional Drawing

Dimensions are in inches [millimeters]

