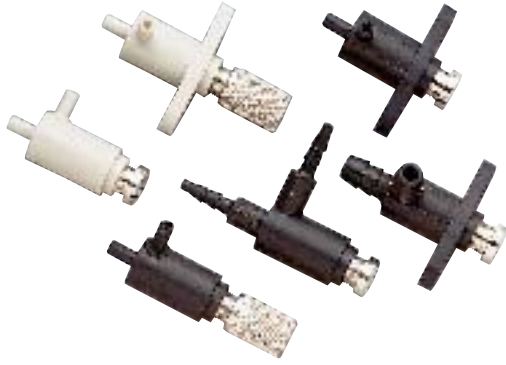


F-2822 Series Needle Valves



The F-2822 Series Needle Valves are ideal for instrumentation and industrial applications. The fine angle of the needle allows for the precise control of flow.

The Needle Valves are adjustable from 0 to the equivalent flow of a 0.025" diameter orifice. The flow is restricted in both directions. The Needle Valve is designed for inline installation or can be panel mounted. The standard device is furnished with a screwdriver slot adjustment or knurled knob.

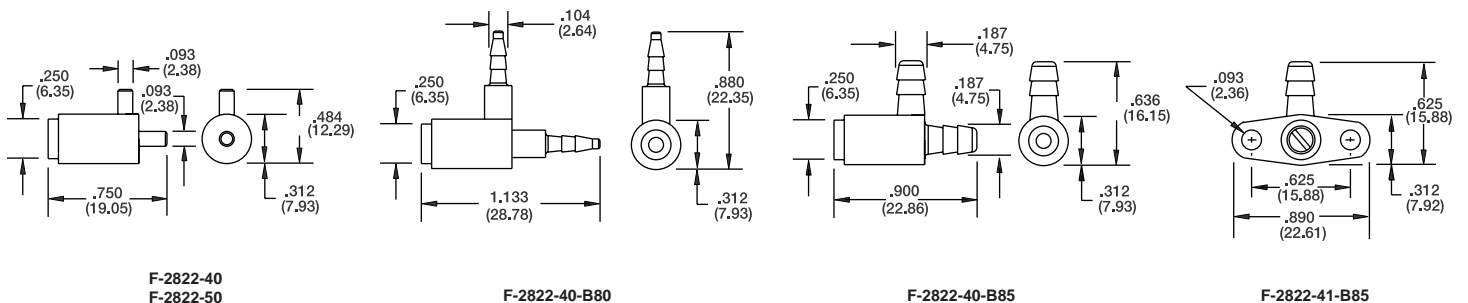
The Needle Valves are available in two materials: Glass filled nylon or glass filled polypropylene. The o-rings are available in Buna-N, Viton or Ethylene Propylene.

ORDERING INFORMATION (Order by model number, mounting number, specify port connections and accessory letters.)

Type	Model Number	Mounting	Port Connections	Accessories
Nylon	F-2822	40-Inline	B80-Barbs for 1/16" I.D. Tubing B85-Barbs for 1/8" I.D. Tubing	K-Nickel plated brass adjustment knob SS-Stainless steel needle KSS-Stainless steel knob V-Viton o-ring E-Ethylene Propylene o-ring
		41-Panel Mounted	No accessory numbers required for straight ports	
Polypropylene	F-2822	50-Inline	Only available in straight ports	No accessory letters required for screwdriver slot adjustment or Buna-N o-ring
		51-Panel Mounted		

DIMENSIONS

() = Metric Dimensions



FEATURES

- Fine Adjustment
- Miniature Size
- Plastic Housing

SPECIFICATIONS

Turns: 7 turns
 Flow: Equivalent to 0.025" diameter orifice
 Adjustment Screw: Screwdriver slot or knurled knob
 Operating Temperature: 40° to 120°F. (5° to 48°C.)
 Recommended Filtration: 5 micron

MOUNTING

Inline installation or panel mounted. Furnished with two self tapping screws.

PORT CONNECTIONS

Straight ports for 1/16" I.D. flexible tubing
 Barbs for 1/16" or 1/8" I.D. flexible tubing

MATERIALS

O-ring: Buna-N, Viton, Ethylene Propylene (EPDM)
 Vibration Insert: None
 Body: F-2822-40 40% Glass Filled Nylon
 F-2822-41 40% Glass Filled Nylon
 F-2822-50 20% Glass Filled Polypropylene
 F-2822-51 20% Glass Filled Polypropylene
 Pin: Nickel Plated Brass or 303 Stainless Steel
 Pin Thread Size: 10-64
 Pin Angle: 6°

Typical Characteristics

