

# 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. Two models are available from the standard units F-2822-20, 21 to the fine adjustment units F-2822-30, 31.

The Needle Valve is designed for inline installation or can be panel mounted. The standard device is furnished with a screwdriver slot adjustment.

**ORDERING INFORMATION (Order by model number and specify accessory letters required.)**

F-2822 — 20 — B80

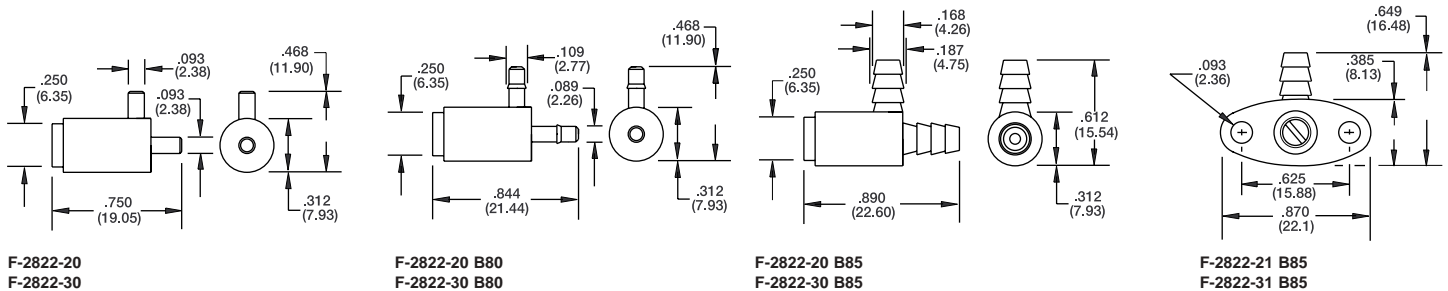
Type	Model Number	Mounting	Port Connections
Standard Model	F-2822-20	Inline	<b>B80</b> - Barbs for 1/16" I.D. tubing <b>B85</b> - Barbs for 1/8" I.D. tubing
	F-2822-21	Panel Mounted	
Fine Adjustment Model	F-2822-30	Inline	No accessory numbers required for straight ports
	F-2822-31	Panel Mounted	

## MATERIALS

	F-2822-20 F-2822-21	F-2822-30 F-2822-31
O-ring	Buna N	Buna N
Vibration Insert	Nylon	Polyethylene
Body	Phosphor Bronze	Phosphor Bronze
Pin	Beryllium Copper	Beryllium Copper
Pin Thread Size	10-64	10-80
Pin Angle	6°	4°

## DIMENSIONS

( ) = Metric Dimensions



## FEATURES

- Fine Adjustment
- Miniature Size
- Temperature Stable
- Minimum Drift

## SPECIFICATIONS

Turns: 7 turns  
 Flow: Equivalent to 0.025" diameter orifice  
 Adjustment Screw: Screwdriver slot  
 Operating Temperature: 40° to 120°F. (5° to 48°C.)  
 Recommended Filtration: 5 micron  
 Maximum Pressure: 100 PSI

## 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

## Typical Characteristics

