

## PRM Needle Valves

Needle valves use a tapered pin to gradually open for fine control of flow. The flow can be regulated by using the spindle.

### Features:

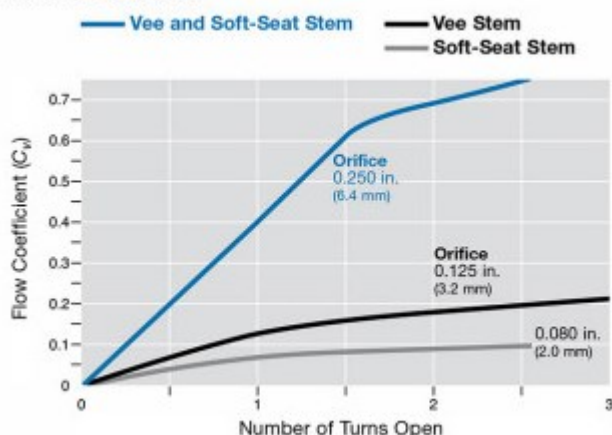
- 304 SS Body, 304 SS Vee Stem
- PFA Packing Material, Tungsten disulfide and fluorocarbon based lubricant
- Pressure: up to 6000 psi (Chart on Page 2)
- Temperature: up to 450°F
- T- design bar handle
- ASME Class 2500
- Needle valve is factory tested with nitrogen at 1000 psig. Seats have a maximum allowable leak rate of 0.1 std cm<sup>3</sup>/min.



### Flow Data at 100°F (37°C)

#### Flow Coefficient at Turns Open

##### 20 and 26 Series



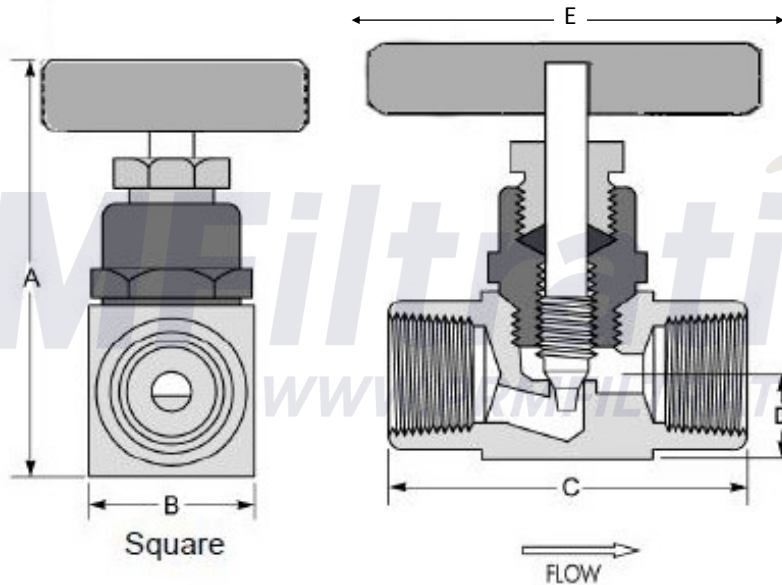
### PRM Part Numbers:

1/4 INCH: [SSNEEDLEVLV025X](#)

1/2 INCH: [SSNEEDLEVLV050X](#)

1 INCH: [SSNEEDLEVLV100X](#)

2 INCH: [SSNEEDLEVLV200X](#)



| PART NUMBER     | SIZE (NPT) | A    | B    | C    | D    | E     | WT.      |
|-----------------|------------|------|------|------|------|-------|----------|
| SSNEEDLEVLV025X | 1/4 INCH   | 2.45 | .875 | 1.73 | .38  | 1.97  | 8 oz.    |
| SSNEEDLEVLV050X | 1/2 INCH   | 3.55 | 1.27 | 2.43 | .52  | 2.16  | 1 lbs.   |
| SSNEEDLEVLV100X | 1 INCH     | 4.32 | 1.74 | 3.05 | .79  | 2.75  | 2.5 lbs. |
| SSNEEDLEVLV200X | 2 INCH     | 6.5  | 2.97 | 4.5  | 1.46 | 5.125 | 9.5 lbs  |

(MEASUREMENT IN INCHES WITH VALVE CLOSED)

Pressure: up to 6000 psig  
 Temperature: up to 450°F

| TEMPERATURE    | PRESSURE      |
|----------------|---------------|
| -65 F to 100 F | 6000 psig max |
| 100 F to 200 F | 5160 psig max |
| 200 F to 250 F | 4910 psig max |
| 250 F to 300 F | 4660 psig max |
| 300 F to 350 F | 4470 psig max |
| 350 F to 400 F | 4280 psig max |
| 400 F to 450 F | 4130 psig max |