

## 7001L, 7004L Steel Needle Valves

### Features

- Adjustable throttling device
- Varying the orifice to determine the exact orifice for any specific service condition

### Typical Uses

- Oil and gas
- Refineries
- Chemical and petrochemical
- Water and wastewater



**7004L**  
Needle Valve

### Specifications

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Models:                        | 7001L, 7004L                                                                                                      |
| Process/Instrument Connection: | ¼ NPT Female<br>½ NPT Female                                                                                      |
| Material:                      | Carbon steel or 316 Stainless steel                                                                               |
| Packing:                       | PTFE                                                                                                              |
| Max. Pressure Rating:          | Carbon steel: 10,000 psi (690 bar) at 100 °F (38 °C)<br>316 Stainless steel: 6000 psi (414 bar) at 100 °F (38 °C) |

### Key Benefits

- Protects instruments against surges and pulsations
- Provides reliable and repeatable performance.

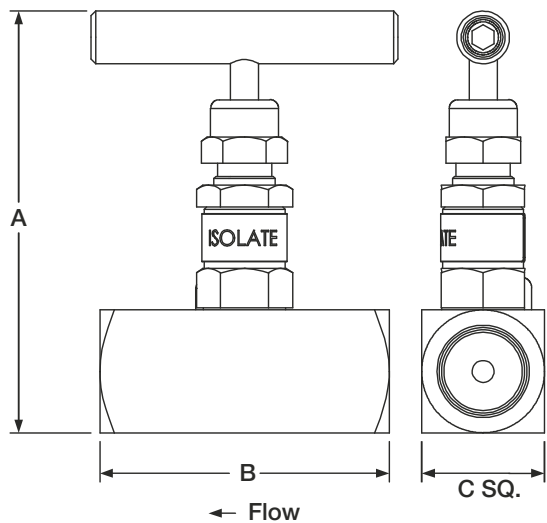
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# 7001L, 7004L Steel Needle Valves

| Ordering Code                 | Example: | 25 | 7004L |
|-------------------------------|----------|----|-------|
| Process/Instrument Connection |          |    |       |
| 25 - ¼ NPT Female             |          | 25 |       |
| 50 - ½ NPT Female             |          |    |       |
| Model                         |          |    |       |
| 7001L - Carbon steel          |          |    |       |
| 7004L - Stainless steel       |          |    | 7004L |

**Dimensions** in [ ] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings



| Style   | A   | B  | CSQ | Weight (oz.) |
|---------|-----|----|-----|--------------|
| 257001L | 93  | 55 | 25  | 12.7         |
| 507001L | 95  | 66 | 28  | 16.2         |
| 257004L | 93  | 55 | 28  | 15.5         |
| 507004L | 103 | 67 | 32  | 23           |