Hand Operated Globe Valve
Low Cost, High Pressure Rating

The Series HGV Hand Operated Globe Valves are an economical and functional alternative to large actuator/control valve packages. Metal-to-metal seating ensures excellent flow control and shut-off service. The body and bonnet are each constructed of CF8M (316) SS for superb corrosion resistance and chemical compatibility.

**FEATURES**
- Threaded ends conform to ANSI B 2.1, BS 21, DIN 259/2999, ISO 228
- SS inside screw, screwed bonnet, swivel disc integral seat, rising stem and hand wheel

**SERIES HGV**

**Dimensions**

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>D in. [mm]</th>
<th>L in. [mm]</th>
<th>H (OPEN) in. [mm]</th>
<th>C in. [mm]</th>
</tr>
</thead>
</table>

**SERIES NVII**

**Needle Valve**
Economical, Pressures Up to 2000 psi, Blowout-Proof Stem

Model NVII Needle Valve provides easy flow regulation in all applications, including shut off and throttling for pressure gages and instruments. With a one piece, hot forged brass body construction, years of maintenance-free service can be expected. The Model NVII, with its tamper-proof design and blowout-proof stem, provides excellent performance and reliability.

**SPECIFICATIONS**
- **Service:** Compatile liquids and gases.
- **End Connections:** Female NPT
- **Pressure Limits:** 725 psi (50.0 bar) from -20 to 200°F (-28.9 to 93.3°C); 500 psi (34.5 bar) at 300°F (148.9°C); 450 psi (31.0 bar) at 325°F (162.8°C); 100 psi (6.9 bar) at 350°F (176.7°C).
- **Wetted Materials:** Body, bonnet, packing nut; CF8M (316) SS; disc, stem, retainer ring; gland: 316 SS; Packing: PTFE.
- **Temperature Limits:** -20 to 350°F (-28.9 to 180°C).
- **Other Materials:** Hand wheel: Cast iron; plate: Aluminum; wheel nut: 316 SS.

**Model NVII-1B & NVII-2B**

**SPECIFICATIONS**
- **Service:** Gases and liquids compatible with wetted materials. Not rated for steam use.
- **End Connection Size:** 1/4" NPT
- **Pressure Limit:** 2000 psi (138 bar) (CWP)
- **Wetted Materials:** Valve body: Brass (CW617N); Retainer, handwheel: Brass (CW614N); O-Ring: Fluoroelastomer.
- **Temperature Limits:** -40 to 350°F (-40 to 176.7°C). (Warning: freezing of the fluid in the installation may severely damage the valve.)
- **Flow Coefficient:** 0.31
- **Weight:** 0.22 lb.

**Model NVII-1B, Needle Valve (Female x Female)**

**Model NVII-2B, Needle Valve (Male x Female)**