The ‘HD’ Type Single Isolating Needle Valve is designed for safe and reliable isolation giving bubble tight shut off, non-rotating & anti-galling tip and dynamic self-adjusting spindle seal to give long service life in a variety of high temperature and high pressure applications. This valve can also be supplied Firesafe tested to BS6755 PT2.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Connections Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Weight (Kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F25*/HD</td>
<td>1/4&quot;</td>
<td>4.1</td>
<td>2.1</td>
<td>1.5</td>
<td>0.8</td>
</tr>
<tr>
<td>F50*/HD</td>
<td>1/2&quot;</td>
<td>4.1</td>
<td>2.6</td>
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<td>0.8</td>
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<tr>
<td>M25*/HD</td>
<td>1/4&quot;</td>
<td>4.1</td>
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</tr>
</tbody>
</table>

**Key Features of the Oliver Needle Valve range**

- Non rotating tip - self centering & anti-galling
- Piston ring - gives dynamic adjustment of gland seal in response to pressure change
- Anti-blow out spindle - a major safety feature
- Secure seal - precision machined to give leak free operation for the life of the valve. Available in either PTFE or Grafoil

**Standard Specification**

- Pressure: 6000psi
- Packing: Grafoil
- Handle: T-Bar
- Bore: 0.21” (5.4mm)
- Temp: 540 deg C
- Thread form: NPT
- Seat: Metal to metal
- CV: 0.46

**Ordering Code**

(Typical example) → F 50 S / FS

**Type**

F - Female x Female  
M - Male x Female

**Size**

- 25 - 1/4”
- 50 - 1/2”

**Material**

- S - 316S31 Stainless Steel  
- M - Monel (400)  
- HC - Hastalloy (C276)  
- (Others available)

**Options**

- AT - Anti-Tamper  
- HL - Handle Locking  
- HL-PI - Handle Locking + Position Indicator  
- FS - Firesafe to BS6755 PI2/PI607 Rev 4 (up to 6000 psi only)  
- HD15HP - 15000 psi (PTFE packing - Max temp 240 deg C)  
- HD/HP - 10000 psi  
- MTG - Mounting Holes x 2  
- NA - NACE MR-01-75 (latest revision)