**Product Data Sheet** | **B6F Type Ball Valve**

The ‘B6’ Type Single Isolating Ball Valve is designed for safe and reliable isolation giving bubble tight shut off. Totally enclosed soft seats offer both positive sealing and low operating torques, from vacuum to high-pressure service. Anti-blow out spindle is fitted as standard with the option of PTFE or Grafoil seals.

<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>B6FX25</td>
<td>1/4&quot;</td>
<td>2.4</td>
<td>1.3</td>
<td>2.5</td>
<td>0.4</td>
</tr>
<tr>
<td>B6FX38</td>
<td>3/8&quot;</td>
<td>2.4</td>
<td>1.3</td>
<td>2.5</td>
<td>0.4</td>
</tr>
<tr>
<td>B6FX50</td>
<td>1/2&quot;</td>
<td>3.4</td>
<td>1.3</td>
<td>2.5</td>
<td>0.5</td>
</tr>
<tr>
<td>B6FY75</td>
<td>3/4&quot;</td>
<td>4.1</td>
<td>1.5</td>
<td>3.0</td>
<td>1.1</td>
</tr>
<tr>
<td>B6FZ10</td>
<td>1&quot;</td>
<td>4.8</td>
<td>2.0</td>
<td>3.5</td>
<td>1.9</td>
</tr>
</tbody>
</table>

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

- Enclosed soft seats giving positive sealing and low torque operation across the pressure range
- One-piece spindle with anti-blowout shoulder that maintains seal integrity at all pressures
- Precision machined ball for smooth operation through 90 degrees to give straight through bore
- Either PTFE or Grafoil spindle and body seals to give high body integrity
- 316 stainless steel one-piece handle fitted with twin anti-vibration locknuts

**Standard Specification**

<table>
<thead>
<tr>
<th>Pressure: 6000psi</th>
<th>Seals: PTFE</th>
<th>Seats: PTFE/PVDF, PTFE/KEL-F or PEEK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp: 120 deg C (PTFE/PVDF) or 200 deg C</td>
<td>Thread form: NPT</td>
<td>Handle: Lever</td>
</tr>
<tr>
<td>(PTFE/KEL-F and PEEK)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Code**

(Typical example) → B6FX 50 S / BT / FS

**Type**

B6 - Ball valve 6000 psi
F = Female x Female
X = 10mm bore
Y = 14mm bore
Z = 20mm bore

**Size (bore sizes available)**

- 25 - 1/4" (X=10mm) 75 - 3/4" (Y=14mm/Z=20mm)
- 38 - 3/8" (X=10mm) 10 - 1" (Z=20mm)
- 50 - 1/2" (X=10mm/Y=14mm)

**Material**

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

**Optional Connections (NPT Standard)**

BT - BSP Taper
BP - BSP Parallel (top sealing)
SW - Socket Weld

**Options**

FS - Firesafe to BS6755 Pl2/API 607 Rev4
OH - Oval Handle
HL - Handle Locking
KF - PTFE/Kel-F seats (10mm only)
PE - Pinned End Connectors (prevents accidental removal)
NA - NACE MR-01-75 (latest revision)
PMH - 4 x M5 mounting holes in base for panel mounting
PMHT - 4 x M5 mounting holes in top for panel mounting

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