3-Way Ball Valve Assembly VZBA-4F-L and VZBA-4F-T
Stainless Steel Valve Preassembled with Pneumatic Actuator

Complete, Ready-to-Install Package

Unbeatable Package
Economical and a time saver, Festo has matched the torques, mounting patterns and hardware for you.
This reduces the time required for valve selection, calculation and sizing of actuator and design of assembly hardware. It simplifies your logistics and procurement and ensures a working solution every time.

Features
• High flow full port valve
• Balanced 4-seat construction
• Simple pneumatic actuation
• Dual piston rack and pinion quarter turn actuator
• Double acting and spring return actuators
• ISO/Namur/VDI/VDE interfaces for accessories
• Suitable for outdoor, hazardous locations, and certain washdown environments
• Suitable for range of fluids and inert gases

Benefits
• 4-seat design for positive shut-off, unlike 2-seated diverter valves
• Three port function can reduce the number of valves required in a process system
• One part number simplifies ordering and logistics
• Fast delivery
• No assembly required
• Design of brackets and hardware not required
• Preconfigured solutions simplifies product selection
• Simple addition of accessories due to standard interfaces

Ball valve and actuator preassembled
Optional accessories: Namur valves type NVF3, VSNB
Optional accessories: Sensor boxes and positioners type SRBF, DAPZ, SRBP and SRAP
3-Way Ball Valve Assembly VZBA-4F-L and VZBA-4F-T
Stainless Steel Valve Preassembled with Pneumatic Actuator

**General Technical Data**

**Ball Valve connection** [inch] 1/4" 3/8" 1/2" 3/4" 1" 1-1/4" 1-1/2" 2"

**Ball Valve Function** 2-way

**Construction** Balanced 4-seat full port with "L" and "T" flow, ISO 5211 Direct Mount

**Material** 316 Stainless Steel Body and Trim, RTFE (15% C.F.) Seat, PTFE Seal

**Testing** All valves are shell and seat tested to ANSI/ASME B16.34 and API 598

**Connections** NPT

**Media** Gas (inert), water and oil

**Maximum Pressure (RTFE)** 1000 PSI 800 PSI

**Temperature (RTFE)** Fluid -20° F to 420° F Ambient -4° F to 176° F

**Actuator Type** 1/4-turn pneumatic actuator, double acting (DA) and single (SR) acting meeting ISO 5211, NAMUR and VDI/VDE 3845

**Min/Max supply pressure** 80/120 PSI, filtered compressed air, unlubricated

**Connection** Threaded G1/8” and NAMUR interface

---

### 3-Way “T” SS Ball Valve Assemblies with DFPB (04 Flow Path Standard)

<table>
<thead>
<tr>
<th>Size [inch]</th>
<th>Double Acting Assembly</th>
<th>Single Acting Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>Description</td>
<td>Part Number</td>
</tr>
<tr>
<td>1/4”</td>
<td>13090735 VZBA-4F-T-1/4-DFPB-20-DA</td>
<td>13091138 VZBA-4F-T-1/4-DFPB-20-SR</td>
</tr>
<tr>
<td>1&quot;</td>
<td>13091119 VZBA-4F-T-3/4-DFPB-45-DA</td>
<td>13091141 VZBA-4F-T-3/4-DFPB-40-SR</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>13091120 VZBA-4F-T-11/4-DFPB-80-DA</td>
<td>13091142 VZBA-4F-T-11/4-DFPB-60-SR</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>13091121 VZBA-4F-T-11/2-DFPB-120-DA</td>
<td>13091143 VZBA-4F-T-11/2-DFPB-80-SR</td>
</tr>
<tr>
<td>2&quot;</td>
<td>13091122 VZBA-4F-T-2-DFPB-170-DA</td>
<td>13091144 VZBA-4F-T-2-DFPB-150-SR</td>
</tr>
</tbody>
</table>

---

### 3-Way “L” SS Ball Valves Assemblies with DFPB

<table>
<thead>
<tr>
<th>Size [inch]</th>
<th>Double Acting Assembly</th>
<th>Single Acting Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>Description</td>
<td>Part Number</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>13090587 VZBA-4F-L-1/4-DFPB-20-DA</td>
<td>13091130 VZBA-4F-L-1/4-DFPB-20-SR</td>
</tr>
<tr>
<td>1&quot;</td>
<td>13090591 VZBA-4F-L-1-DFPB-80-DA</td>
<td>13091134 VZBA-4F-L-1-DFPB-60-SR</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>13090592 VZBA-4F-L-11/4-DFPB-80-DA</td>
<td>13091135 VZBA-4F-L-11/4-DFPB-80-SR</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>13090733 VZBA-4F-L-11/2-DFPB-120-DA</td>
<td>13091136 VZBA-4F-L-11/2-DFPB-150-SR</td>
</tr>
<tr>
<td>2&quot;</td>
<td>13090734 VZBA-4F-L-2-DFPB-170-DA</td>
<td>13091137 VZBA-4F-L-2-DFPB-230-SR</td>
</tr>
</tbody>
</table>

---

### Flow Pattern Options

**3-Way Side Entry, T-Port (ST)**

<table>
<thead>
<tr>
<th>No.</th>
<th>Turn</th>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>90°</td>
<td>A &amp; B</td>
</tr>
<tr>
<td>02</td>
<td>90°</td>
<td>B &amp; C</td>
</tr>
<tr>
<td>03</td>
<td>90°</td>
<td>C &amp; D</td>
</tr>
<tr>
<td>04</td>
<td>90°</td>
<td>D &amp; A</td>
</tr>
</tbody>
</table>

**3-Way Side Entry, L-Port (SL)**

<table>
<thead>
<tr>
<th>No.</th>
<th>Turn</th>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>90°</td>
<td>A &amp; B</td>
</tr>
</tbody>
</table>

---

### Options

For variants or additional assembly options, please contact Festo

Available accessories:

- NAMUR Valves: NVF3, VSNB
- Sensor boxes: SRBF, SRRB, SRAP, and DAPZ

---

Subject to change

---

**Festo Corporation**

Commercial support:
- Call: 1.800.99.FESTO (1.800.993.3786)
- Fax: 1.800.96.FESTO (1.800.963.3786)
- Email: customer.service@us.festo.com
- Visit: www.festo.com/us

Technical support:
- Call: 1.866.GO.FESTO (1.866.463.3786)
- Fax: 1.800.96.FESTO (1.800.963.3786)
- Email: product.support@us.festo.com