2-WAY BALL VALVE, MANUALLY OPERATED

Description:
- 2-pieces body construction
- heavy-weight design
- full passageway
- female thread acc. to EN 10226
- blow out safe, spindle mounted from inside
- any installation position
- lock device

Range of application:
- working pressure PN63
  (see pressure-temperature-diagram)
- temperature range: -10°C up to +200°C
  (see pressure temperature diagram)

Comments:
Better protection against unintended disengagement of the spindle and the sealing by a blow out protection. No accidental damage from outside possible.

Threads according to EN 10226: It describes the threaded connection of a conical male thread (R) with a parallel female thread (Rp).

<table>
<thead>
<tr>
<th>pos.</th>
<th>part</th>
<th>standard material</th>
<th>optional material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>body</td>
<td>1.4408</td>
<td>O -</td>
</tr>
<tr>
<td>2</td>
<td>connector</td>
<td>1.4408</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>ball</td>
<td>1.4401</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>seat sealing</td>
<td>PTFE</td>
<td>T -</td>
</tr>
<tr>
<td>5</td>
<td>spindle</td>
<td>1.4401</td>
<td>O -</td>
</tr>
<tr>
<td>6</td>
<td>thrust ring</td>
<td>PTFE</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>packing for spindle</td>
<td>PTFE</td>
<td>T -</td>
</tr>
<tr>
<td>8</td>
<td>gland</td>
<td>1.4301</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>handle</td>
<td>1.4301 with plastic coating</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>nut</td>
<td>1.4301</td>
<td>-</td>
</tr>
</tbody>
</table>

Options:
- SV: spindle extension
- ZG: certificate
- OF: free of oil and grease
- EB: relief well

Pressure temperature diagram
The pressure temperature diagram refers to the ball valve of this type. For the actuated units the actuator limits the permissible pressure range to the operating pressure as indicated above, as long as this is lower than the pressure range of the ball valve. If your application has strong temperature variations, you may need additional options like a relief well, to meet the figures. Please tell us your temperature variations with your order.
2-WAY BALL VALVE, MANUALLY OPERATED

**Type:** EKA05

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**Order information:**

1: type:  
- EKA05

2: connection size: 02-12 (see table)

3: materials:  
- 1. digit: body material (stainless steel)  
- 2. digit: sealing for spindle (PTFE)  
- 3. digit: ball material (stainless steel)  
- 4. digit: seat sealing (PTFE)

6: options (see "options")

Please ask for field specifications that are not listed in this data sheet.

Before installation please consider the installation and maintenance manual, especially the safety indications!

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**Matchcode** | **size [inch]** | **nominal pressure** | **nominal size [mm]** | **L [mm]** | **H [mm]** | **W [mm]**
---|---|---|---|---|---|---
EKA05-02-OTOT | 1/4 | PN63 | 11 | 51,5 | 51 | 104
EKA05-03-OTOT | 3/8 | PN63 | 12,5 | 51,5 | 51 | 104
EKA05-04-OTOT | 1/2 | PN63 | 15 | 58 | 50 | 103
EKA05-05-OTOT | 3/4 | PN63 | 20 | 65 | 63 | 133
EKA05-06-OTOT | 1 | PN63 | 25 | 77 | 66 | 133
EKA05-07-OTOT | 1 1/4 | PN63 | 32 | 90 | 80 | 154
EKA05-08-OTOT | 1 1/2 | PN63 | 38 | 98 | 83 | 154
EKA05-09-OTOT | 2 | PN63 | 50 | 122 | 97 | 188
EKA05-10-OTOT | 2 1/2 | PN63 | 65 | 159 | 119 | 223
EKA05-11-OTOT | 3 | PN63 | 76 | 182 | 129 | 223
EKA05-12-OTOT | 4 | PN63 | 94 | 224 | 169 | 298