2-WAY BALL VALVE, MANUALLY OPERATED (REDUCED NOMINAL SIZE)

**Description:**
- 2-way ball valve
- 1-pieces body construction
- reduced passageway
- female thread acc. to EN 10226
- short length of body
- blow out safe, spindle mounted from inside
- stainless steel hand lever
- any installation position

**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).

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**Diagram of the valve with parts numbered.**

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**Product Code:**
EKA08

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<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>
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</tr>
<tr>
<td>3</td>
<td>ball</td>
<td>1.4401</td>
<td>0 -</td>
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<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>
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<tr>
<td>6</td>
<td>thrust ring</td>
<td>PTFE</td>
<td>-</td>
</tr>
<tr>
<td>7</td>
<td>sealing 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>
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</tr>
<tr>
<td>10</td>
<td>nut</td>
<td>1.4301</td>
<td>1.4301</td>
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</table>

For details about the order code see "Order information". An overview of the complete material code you can find at the beginning of each product section of the product catalogue.

**Options:**
- SV: spindle extension
- EB: relief well
- LD: lock device
- ZG: certificate 3.1

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**Pressure temperature diagram**
The pressure temperature diagram refers to the ball valve of this type. 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 (REDUCED NOMINAL SIZE)**

**match code**

<table>
<thead>
<tr>
<th>size [inch]</th>
<th>nominal pressure</th>
<th>nominal size [mm]</th>
<th>L [mm]</th>
<th>H [mm]</th>
<th>B [mm]</th>
<th>CV* [m³/h]</th>
<th>weight [kg]</th>
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<td>32.5</td>
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<tr>
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<td>3/8</td>
<td>PN63</td>
<td>7</td>
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<tr>
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<td>PN63</td>
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</table>

**Order information:**

1: automation:
- no specification: manually operated

2: type: EKA08

3: connection size: 02-09 (see table)

4: materials:
- 1. digit: body material
- 2. digit: sealing for spindle
- 3. digit: ball material
- 4. digit: seat sealing

5: actuator:
- only manually operated (no specification)

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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****cv value:** The nominal flow rate CVs acc. to VDI/VDE 2173 shows the water quantity in cubic meter per hour with the valve fully opened, \( \Delta p = 1 \) and the water temperature between 5°C and 30°C.