2-WAY BALL VALVE FOR HIGH PRESSURE APPLICATIONS, MANUALLY OPERATED

Description:
- 2-way high pressure ball valve
- full passageway
- female thread acc. to EN 10226
- chambered seat sealing from 3-sides
- length of body acc. to DIN3202-M3
- antistatic device
- sealing for spindle with 2-piece chevron packing
- double body sealing
- blow out safe, spindle mounted from inside
- top flange acc. to EN ISO 5211
- steel hand lever
- any installation position

Range of application:
- standardized length of body permits easy replacement in existing applications
- pneumatic or electric automatable
- top flange for direct actuator mounting
- working pressure PN160 (see pressure-temperature-diagram)
- temperature range: -20°C up to +200°C (see pressure temperature diagram)

Comments:
Automation on request with an assembly kit.

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>1.4401</td>
<td>O 1.0402 zinc plated</td>
</tr>
<tr>
<td>2</td>
<td>connector</td>
<td>1.4401</td>
<td>J 1.0402 zinc plated</td>
</tr>
<tr>
<td>3</td>
<td>primary sealing</td>
<td>PTFE</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>secondary sealing</td>
<td>FKM</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>ball</td>
<td>1.4401</td>
<td>D 1.4301</td>
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<tr>
<td>6</td>
<td>seat sealing</td>
<td>PTFE with metal core</td>
<td>U  -</td>
</tr>
<tr>
<td>8</td>
<td>spindle</td>
<td>1.4401</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>antistatic device</td>
<td>1.4401</td>
<td>-</td>
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<tr>
<td>10</td>
<td>friction ring</td>
<td>PTFE</td>
<td>-</td>
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<tr>
<td>11</td>
<td>chevron packing</td>
<td>PTFE / graphite</td>
<td>R</td>
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<tr>
<td>12</td>
<td>thrust ring</td>
<td>1.4404</td>
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<tr>
<td>13</td>
<td>disc spring</td>
<td>50CrV4 galvanized zinc-plated</td>
<td>-</td>
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<tr>
<td>15</td>
<td>hand lever</td>
<td>St 37 galvanized zinc-plated</td>
<td>St 37 coated</td>
</tr>
</tbody>
</table>

Options:
- SV: spindle extension
- TD: minimal clearance volume with half shells made of PTFE
- SP: gland extension
- FS: fire-safe design
- AE: all external parts made of stainless steel
- ZG: certificate
- OF: free of oil and grease

An overview of the entire material of a key product group, see the catalog at the beginning of each chapter.
SKA09-02xROU
1/4 PN160 10 50 46 5.9 0.6
SKA09-03xROU
3/8 PN160 10 60 46 9.4 0.65
SKA09-04xROU
1/2 PN160 15 75 63 19.4 1.2
SKA09-05xROU
3/4 PN160 19 80 65 45.6 1.4
SKA09-06xROU
1 PN160 25 90 76 71.5 2.2
SKA09-07xROU
1 1/4 PN160 30 110 80 105 3.2
SKA09-08xROU
1 1/2 PN160 38 120 98 170 5.2
SKA09-09xROU
2 PN160 51 140 108 275 7.8

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.

**Order information:**

1. **type**
   - SKA09

2. **connection size: 04-09 (see table)**

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

4. **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!