3-WAY BALL VALVE (UNDERFLOW), WITH MOUNTING FLANGE FOR AUTOMATION

Type: NKC76/NKD76

Description:
- distribution valve
- 2-pieces body construction
- full passageway
- 2 seat sealing
- NKC76: L-bore or NKD76: T-bore
- female thread acc. to EN 10226
- blow out safe, spindle mounted from inside
- top flange acc. to EN ISO 5211 (up to 2"
- any installation position

Range of application:
- with mounting flange acc. to DIN ISO 5211 for direct mounting
- working pressure PN25 up to PN06 (see pressure temperature diagram)
- temperature range: -15°C up to +120°C (see pressure temperature diagram)
- hot and cold water, compressed air, oils, not corrosive liquids, hydrocarbon

Comments:
On request the ball valve can be automated electrically or pneumatically. Please note that the rotation for NKC76 / NKD76 is 180°.

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).

L-bore/T-bore: The ball valve can be delivered with L-bore (NKC76) and T-bore (NKD76).

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<th>pos.</th>
<th>part</th>
<th>standard material</th>
<th>optional material</th>
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<td>1</td>
<td>body</td>
<td>CW617N nickel plated</td>
<td>E</td>
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<td>2</td>
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<td>3</td>
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<td>CW617N chromium-plated</td>
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<td>4</td>
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<td>6</td>
<td>anti-friction ring</td>
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<td>7</td>
<td>o-ring</td>
<td>FKM</td>
<td>V</td>
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<td>8</td>
<td>hand lever</td>
<td>steel</td>
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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.

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.
### 3-WAY BALL VALVE (UNDERFLOW), WITH MOUNTING FLANGE FOR AUTOMATION

**Strong Basis. Individual Solutions.**

**SYSTEM VALVES**

**Errors and changes excepted. Revision: 01/2011-002**

**SYSTEM VALVES**

**Strong Basis. Individual Solutions.**

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**match code**

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* Spindle as square (standard).

**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.

**** Body only available without flange for actuation.

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**Order information:**

1: **automation:**
- no specification: manually operated
- D: pneumatic double acting
- S: pneumatic single acting
- E: electric actuated

2: **type:**
- NKC76 (L-bore)
- NKD76 (T-bore)

3: **connection size:** 02-11 (see table)

4: **materials:**
- 1. digit: body material (brass nickel plated)
- 2. digit: sealing for spindle (FKM)
- 3. digit: ball material (brass chromium-plated)
- 4. digit: seat sealing (PTFE)

5: **actuator:**
- no specification: steel hand lever
- automation on request (180° - actuator)

6: **options:** none

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!