2-WAY MINI BALL VALVE, MANUALLY OPERATED

Type: KKA01/KKB01

Description:
- compact body construction
- reduced passageway
- female thread acc. to ISO 228
- blow out safe, spindle mounted from inside
- hand lever
- any installation position

Range of application:
- working pressure PN10
  (see pressure-temperature-diagram)
- temperature range: -10°C up to +90°C
  (see pressure temperature diagram)
- hot and cold water, compressed air, oil, non-corrosive liquid, hydrocarbon

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 228: It describes the threaded connection of a parallel male thread with a parallel female thread and is marked with "G".

Ball valves are also available made of CW602N - resistant against zinc abstracting media (e.g. chlorine water). A design for screwdriver operation is available as well.

pos. | part              | standard material         | optional material
-----|-------------------|---------------------------|-----------------------------
1    | body              | CW617N chromium plated    | F CW602N
2    | connector         | CW614N                    | CW602N
3    | ball              | CW614N chromium plated    | F CW602N
4    | seat sealing      | PTFE                      | T CW602N
5    | spindle           | CW614N nickel plated      | B CW602N
6    | o-ring            | plastics (nylon)          | -
7    | handle            | -                         | -

<table>
<thead>
<tr>
<th>match code</th>
<th>size [inch]</th>
<th>nominal pressure</th>
<th>no.-minal size [mm]</th>
<th>L [mm]</th>
<th>H [mm]</th>
<th>B [mm]</th>
<th>thread depth [mm]</th>
<th>CV [m³/h]</th>
<th>weight [kg]</th>
<th>KKA01</th>
<th>KKB01</th>
</tr>
</thead>
<tbody>
<tr>
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<td>PN10</td>
<td>6</td>
<td>39</td>
<td>39</td>
<td>27</td>
<td>22</td>
<td>9</td>
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<td>0.08</td>
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<td>15</td>
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<td>0.21</td>
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</table>

**CV value:** The nominal flow rate CVs acc. to VDV VDE 2173 shows the water quantity in cubic meter per hour with the valve fully opened, Δp=1 and the water temperature between 5°C and 30°C.

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.

Order information:
1: type:
   - KKA01 (female thread)
   - KKB01 (female -male thread)
2: connection size: 01-06 (see table)
3: materials:
   - 1. digit: body material (brass chromium-plated)
   - 2. digit: sealing for spindle (NBR)
   - 3. digit: ball material (brass chromium-plated)
   - 4. digit: seat sealing (PTFE)
4: 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!