3-PCS. 2-WAY BALL VALVE, MANUALLY OPERATED

Type:

**DKA54**

**Description:**
- 3-pieces body construction
- light-weight design
- full passageway
- female thread acc. to EN 10226 or welding ends
- blow out safe, spindle mounted from inside
- stainless steel hand lever
- any installation position
- lock device

**Range of application:**
- Dismounting the center piece is possible without removing the valve from the pipeline.
- working pressure PN40 up to PN63 (see pressure temperature diagram)
- temperature range: -10°C up to +200°C (see pressure temperature diagram)

**Comments:**
The valve is supplied for manual operation. Automation is possible with type DKA05.

**Threads according to EN10226:** It describes the threaded connection of a conical male thread (R) with a parallel female thread (Rp).

Optionally you can purchase the valve with extended welding ends (optional ASL).

**pos.** | **part** | **standard material** | **optional material**
--- | --- | --- | ---
1 | body | CF8M (similar to 1.4408) | O -
2 | connector | CF8M (similar to 1.4408) | - -
3 | ball | CF8M (similar to 1.4401) | - -
4 | seat sealing | PTFE | T -
5 | spindle | CF8M (similar to 1.4401) | O -
6 | thrust ring | PTFE | - -
7 | packing for spindle | PTFE | T -
8 | gland | 1.4301 | - -
9 | handle | 1.4301 with plastic coating | - -
10 | nut | 1.4301 | - -
11 | lock device | 1.4301 | - -

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:**
- ZG: certificate
- ASL: extended welding ends
3-PCS. 2-WAY BALL VALVE, MANUALLY OPERATED

DKA54-xx-otot

match code | size [inch] | nominal pressure | nominal size [mm] | L [mm] | H [mm] | B [mm] | CV [m³/h] | weight [kg]
--- | --- | --- | --- | --- | --- | --- | --- | ---
DKA54-xx-otot | 1/4 | 02 | DN8 | 20 | 12 | 50 | 56.4 | 48 | 103 | 5.9 | 0.3
DKA54-xx-otot | 3/8 | 03 | DN10 | 21 | 12 | 50 | 56.4 | 48 | 103 | 9.4 | 0.3
DKA54-xx-otot | 1/2 | 04 | DN15 | 22 | 15 | 60 | 62.5 | 52 | 103 | 19.4 | 0.5
DKA54-xx-otot | 3/4 | 05 | DN20 | 23 | 20 | 70 | 76 | 61 | 123 | 45.6 | 0.7
DKA54-xx-otot | 1 | 06 | DN25 | 24 | 25 | 80 | 80 | 65 | 123 | 71.5 | 0.9
DKA54-xx-otot | 1 1/4 | 07 | DN32 | 25 | 32 | 93 | 100 | 79 | 153 | 105 | 1.4
DKA54-xx-otot | 1 1/2 | 08 | DN40 | 26 | 38 | 100 | 108 | 83 | 153 | 170 | 1.8
DKA54-xx-otot | 2 | 09 | DN50 | 27 | 50 | 125 | 128 | 97 | 185 | 275 | 3.0
DKA54-xx-otot | 2 1/2 | 10 | DN65 | 28 | 64 | 158 | 156.2 | 135 | 243 | 507 | 6.2
DKA54-xx-otot | 3 | 11 | DN80 | 29 | 76 | 179 | 178.2 | 144 | 243 | 905 | 9.2
DKA54-xx-otot | 4 | 12 | DN100 | 30 | 94 | 223 | 222.8 | 172 | 315 | 1414 | 20.0

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, 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. 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.

Order information:
1: automation:
- no specification: manually operated
2: type: DKA54
3: connection size: (see table)
- 02-12 (thread),
- 20-30 (welding ends)
4: materials:
- 1. digit: body material (stainless steel)
- 2. digit: sealing for spindle (PTFE)
- 3. digit: ball material (stainless steel)
- 4. digit: seat sealing (PTFE)

5: actuator: not applicable
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!