

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

**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:

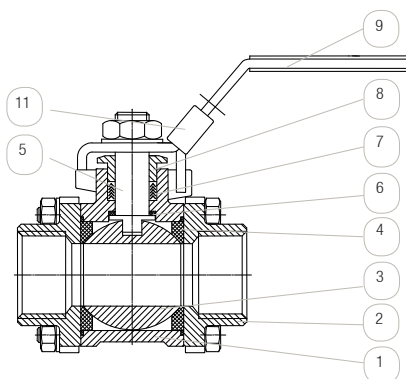
- Dismounting the center piece is possible without removing the valve from the pipeline.
- working pressure PN40 up to PN63 (see pressure temperature diagram)
- temperature range: -10°C up to +200°C (see pressure temperature diagram)

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).

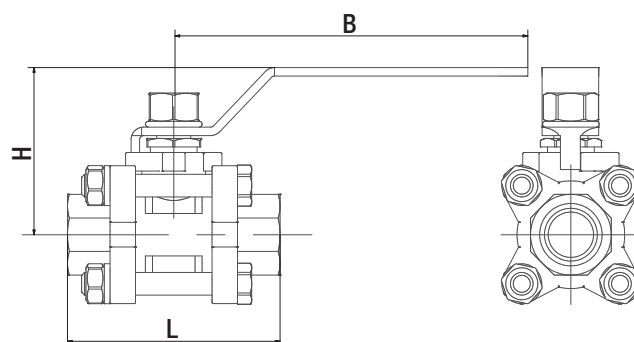


pos.	part	standard material		optional material
1	body	CF8M (similar to 1.4408)	0	-
2	connector	CF8M (similar to 1.4408)		-
3	ball	CF8M (similar to 1.4401)		-
4	seat sealing	PTFE	T	-
5	spindle	CF8M (similar to 1.4401)	0	-
6	thrust ring	PTFE		-
7	packing for spindle	PTFE	T	-
8	gland	1.4301		-
9	handle	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.

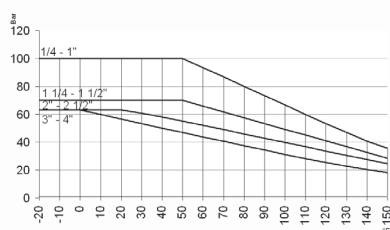
options:

- ZG: certificate
- ASL: extended welding ends



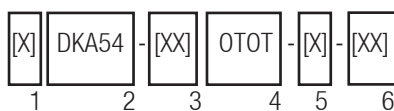
match code	size [inch]				no- minal pres- sure	nomi- nal size [mm]	L [mm]		H [mm]	B [mm]	CV [m³/h]	weight [kg]
	thread	welding ends		thread			AS					
DKA54-xx-OTOT	1/4	02	DN8	20	PN63	12	50	56.4	48	103	5.9	0.3
DKA54-xx-OTOT	3/8	03	DN10	21	PN63	12	50	56.4	48	103	9.4	0.3
DKA54-xx-OTOT	1/2	04	DN15	22	PN63	15	60	62.5	52	103	19.4	0.5
DKA54-xx-OTOT	3/4	05	DN20	23	PN63	20	70	76	61	123	45.6	0.7
DKA54-xx-OTOT	1	06	DN25	24	PN63	25	80	80	65	123	71.5	0.9
DKA54-xx-OTOT	1 1/4	07	DN32	25	PN63	32	93	100	79	153	105	1.4
DKA54-xx-OTOT	1 1/2	08	DN40	26	PN63	38	100	108	83	153	170	1.8
DKA54-xx-OTOT	2	09	DN50	27	PN63	50	125	128	97	185	275	3.0
DKA54-xx-OTOT	2 1/2	10	DN65	28	PN56	64	158	156.2	135	243	507	6.2
DKA54-xx-OTOT	3	11	DN80	29	PN56	76	179	178.2	144	243	905	9.2
DKA54-xx-OTOT	4	12	DN100	30	PN40	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, $\Delta p=1$ 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!