

2-WAY BALL VALVE, MANUALLY OPERATED



photo: NKB01 (behind) is a special design with butterfly handle

Description:

- 2-pieces body construction
- full passageway
- NKA01: female thread acc. to ISO 228
NKB01: female-male thread acc. to ISO 228
- short length of body
- blow out safe, spindle mounted from inside
- aluminium hand lever
- any installation position

Range of application:

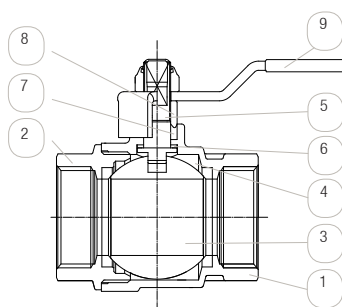
- pressure range: PN16 up to PN80
(see pressure temperature diagram)
- temperature range: -20°C up to +140°C
(see pressure temperature diagram)
- hot and cold water, compressed air, oil, non-corrosive liquid, hydrocarbons

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".

Optionally the NKB01 is available with male-male thread.

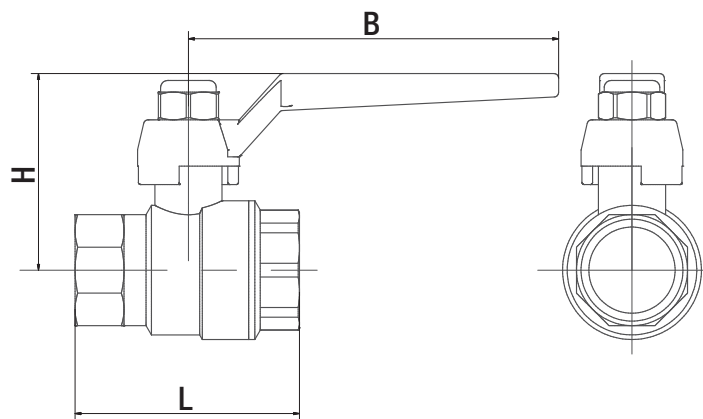


pos.	part	standard material		optional material
1	body	CW617N nickel plated	E	-
2	connector	CW617N nickel plated		-
3	ball	CW614N chromium plated	F	-
4	seat sealing	PTFE	T	-
5	spindle	CW614N		-
6	sealing for spindle	PTFE	T	-
7	packing for spindle	PTFE		-
8	gland	CW614N		-
9	hand lever	alloy		steel
10	self-locking nut	zinc-plated steel		-

Notes on the order code, see the end of the data sheet. An overview of the entire material of a key product group, see the catalog at the beginning of each chapter.

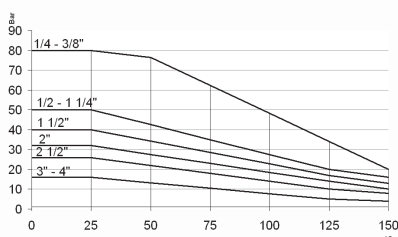
Options:

- HS: steel hand lever
- FL: butterfly handle
- SV: spindle extension
- EB: relief well
- OF: free of oil and grease
- SF: free of silicone



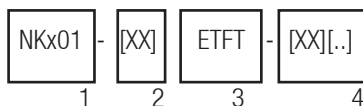
match code	size [inch]	nomi- nal pres- sure	nomi- nal size [mm]	L [mm]		H [mm]	B [mm]	thread depth [mm]		CV [m³/h]	weight [kg]	
				NKA01	NKB01			fe- male	male		NKA01	NKB01
NKA01-02ETFT	1/4	PN80	10	47.5	-	38.5	80	11	-	5.9	0.122	-
NKA01-03ETFT	3/8	PN80	10	49.5	-	38.5	80	11.4	-	9.4	0.135	-
NKx01-04ETFT	1/2	PN50	15	49	59.5	40	80	9.5	9.7	17	0.163	0.192
NKx01-05ETFT	3/4	PN50	20	59	70	49.5	115	11	10.7	41	0.284	0.33
NKx01-06ETFT	1	PN50	25	70	79.5	52.5	115	12.5	11.7	70	0.448	0.53
NKx01-07ETFT	1 1/4	PN50	32	81	91.5	64	130	13.5	13.2	121	0.758	0.864
NKx01-08ETFT	1 1/2	PN40	40	94	104	74.5	150	15.5	14.7	200	1.3	1.408
NKx01-09ETFT	2	PN32	50	112	122	90	170	17.5	16.7	292	2.173	2.259
NKA01-10ETFT	2 1/2	PN25	65	134	-	105.5	170	19.5	-	535	3.146	-
NKA01-11ETFT	3	PN16	80	156	-	119.5	235	21	-	850	5.345	-
NKA01-12ETFT	4	PN16	100	189	-	142	235	24	-	1360	10.1	-

****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. 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:

- NKA01 (female thread)
- NKB01 (female-male thread)

2: connection size: 02-12 (see table)

3: materials:

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

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!