KHB3K

KHB3K Two-position Three-way High Pressure Ball Valve



Model Code

KHB3K/KHB3K-S	G1/2	L	1	1	L	2	04	*
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① Series code

KHB3K-Valve block ball valve DN04-50
KHB3K-S-Valve block ball valve DN04-50

② Thread size or the pipe diameter and connection type

Thread size or the pipe diameter and connection type

③ Valve function symbol

See below uses symbols

④ Valve and joints material

1-Carbon steel 4-Stainless steel

⑤ Ball and spindle material control

1-Carbon steel 4-Stainless steel

⑥ The seal material

1-POM 4-Polytetrafluoroethylene 5-PEEK

⑦ Joint seal and control spindle seal

2-NBR 4-FPM 6-EPDM

⑧ Handle Type

01-Aluminum alloy crank
02-Aluminum alloy straight handle
03-Zinc alloy crank
04-Zinc alloy straight shank
05-Steel crank
06-Steel straight handle

⑨ Surface treatment

Default plating blue white zinc
Please specify other requirements

Operating temperature(°C)

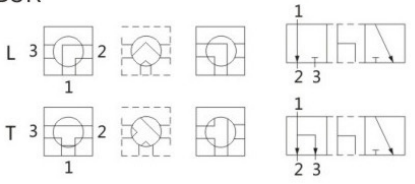
-30~80

Valve function

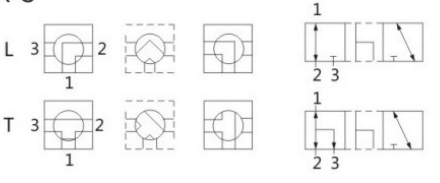
KHB3K Hydraulic oil just can flow into valve through port "1" and the valve only can be sealed under the two situations:
1)Pressure at the closed port is zero;
2)Pressure at the closed port is lower than at the two open ports.
KHB3K-S All ports can be used as pressure inlets! Can only be turned on or off at △P=0bar!

Valve function symbol

KHB3K

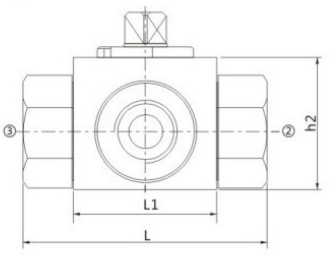


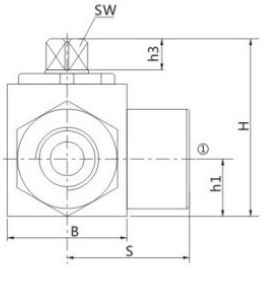
KHB3K-S



Dimensions

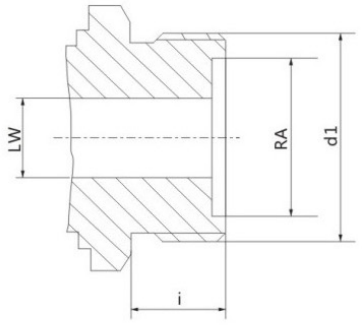
● **KHB3K**



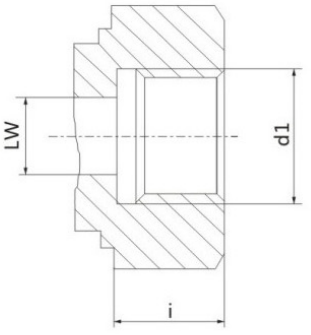


KHB3K

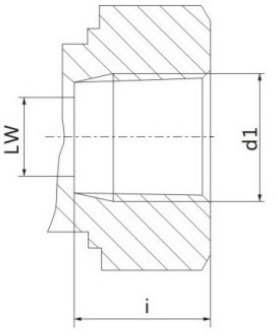
KHB3K Two-position Three-way High Pressure Ball Valve



JB984–77–M



ISO 228–G



ANSI B1.20.1 NPT

● JB984-77 Male face sealk

Model	DN	PN	LW	RA	d1	I	L	L1	B	H	h1	h2	h3	SW	S
KHB3K-M12x1.25	4	315	4	8	M12x1.25	9	61	39	28	44.5	13	34	8	9	35
KHB3K-M16x1.5	6	315	6	11	M16x1.5	11	69	39	28	44.5	13	34	8	9	35
KHB3K-M22x1.5	8	315	8	16	M22x1.5	12	76	43	32	52.5	17	40	8	9	38
KHB3K-M27x1.5	10	315	10	20	M27x1.5	12	76	43	32	52.5	17	40	8	9	38
KHB3K-M30x1.5	16	315	15	24	M30x1.5	13	84	48	38	63.5	19	43	11	12	42
KHB3K-M36x2	20	315	20	30	M36x1.5	15	103	61	48	75	24	54	12	12	52
KHB3K-M42x2	25	315	25	35	M42x2	18	116	66	55	82	28.5	61	12	12	58
KHB3K-M52x2	32	315	30	40	M52x2	20	149	84	75	104.5	37.5	84	14	14	72
KHB3K-M60x2	40	315	38	50	M60x2	22	174	92	85	115.5	42.5	95	14	17	79.5
KHB3K-M72x2	50	315	48	60	M72x2	24	178	100	105	133	52.5	112.5	14	17	89

● ISO 228 Female

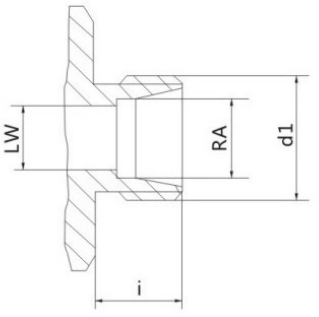
Model	DN	PN	LW	d1	I	L	L1	B	H	h1	h2	h3	SW	S
KHB3K-G1/8	4	315	6	G1/8	10	69	39	28	44.5	13	34	8	9	35
KHB3K-G1/4	6	315	6	G1/4	14	69	39	28	44.5	13	34	8	9	35
KHB3K-G3/8	10	315	10	G3/8	14	72	43	32	52.5	17	40	8	9	36
KHB3K-G1/2	13	315	13	G1/2	16	83	49	35	52.5	17	40	8	9	40
KHB3K-G1/2	16	315	15	G1/2	16	83	48	38	63.5	19	43	11	9	42
KHB3K-G3/4	20	315	20	G3/4	18	95	61	48	75	24	54	12	12	49
KHB3K-G1	25	315	25	G1	20.5	113	66	55	82	28.5	61	12	12	56.5
KHB3K-G1^{1}/4	32	315	25	G1^{1}/4	22	120	66	60	82	28.5	61	12	14	60
KHB3K-G1^{1}/4	32	315	30	G1^{1}/4	22	110	84	75	104.5	37.5	84	14	17	55
KHB3K-G1^{1}/2	40	315	38	G1^{1}/2	24	130	94	85	115.5	42.5	95	14	17	65
KHB3K-G2	50	315	48	G2	26	140	100	105	133	52.5	112.5	14	17	70

● ANSI B1.20.1 NPT Female

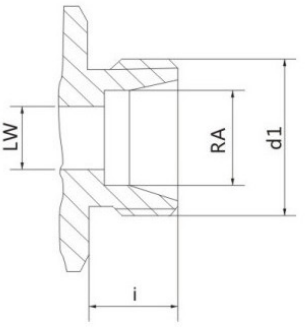
Model	DN	PN	LW	d1	I	L	L1	B	H	h1	h2	h3	SW	S
KHB3K-1/8NPT	4	315	6	1/8NPT	10.5	69	39	28	44.5	13	334	8	9	35
KHB3K-1/4NPT	6	315	6	1/4NPT	14	69	39	28	44.5	13	34	8	9	35
KHB3K-3/8NPT	10	315	10	3/8NPT	14	72	43	32	52.5	17	40	8	9	36
KHB3K-1/2NPT	13	315	13	1/2NPT	17	83	49	35	52.5	17	40	8	9	40
KHB3K-3/4NPT	20	315	20	3/4NPT	19	95	61	48	75	24	54	12	12	49
KHB3K-1NPT	25	315	25	1NPT	22.5	113	66	55	82	28.5	61	12	12	56.5
KHB3K-1^{1}/4NPT	32	315	25	1^{1}/4NPT	22.5	120	66	60	82	28.5	61	12	12	60
KHB3K-1^{1}/4NPT	32	315	30	1^{1}/4NPT	25	120	84	75	104.5	37.5	84	14	14	60
KHB3K-1^{1}/2NPT	40	315	38	1^{1}/2NPT	25	130	94	85	115.5	42.5	95	14	17	70
KHB3K-2NPT	50	315	48	2NPT	30	140	100	105	133	52.5	112.5	14	17	75

KHB3K

KHB3K Two-position Three-way High Pressure Ball Valve



DIN 2353 LR



DIN 2353 SR

● DIN 2353 Light series

Model	DN	PN	LW	RA	d1	I	L	L1	B	H	h1	h2	h3	SW1	S
KHB3K-06LR	4	315	4	6	M12x1.25	10	67	39	28	44.5	13	32	8	9	34.5
KHB3K-08LR	6	315	6	8	M14x1.5	10	67	39	28	44.5	13	32	8	9	34.5
KHB3K-10LR	8	315	8	10	M16x1.5	11	74	43	32	52.5	17	40	8	9	37
KHB3K-12LR	10	315	10	12	M18x1.5	11	74	43	32	52.5	17	40	8	9	37
KHB3K-15LR	13	315	13	15	M22x1.5	12	82	49	37	52.5	17	43	8	9	40
KHB3K-18LR	13	315	13	18	M26x1.5	12	82	49	37	63.5	17	43	8	9	42
KHB3K-18LR	16	315	15	18	M26x1.5	12	82	48	38	75	19	46	11	9	42
KHB3K-22LR	20	315	19	22	M30x2	14	101	61	48	82	24	54	12	12	52
KHB3K-28LR	25	315	25	28	M36x2	14	108	66	55	82	28.5	61	12	12	54
KHB3K-35LR	32	315	25	35	M45x2	16	112	66	60	82	28.5	64	12	14	56

● DIN 2353 Heavy series

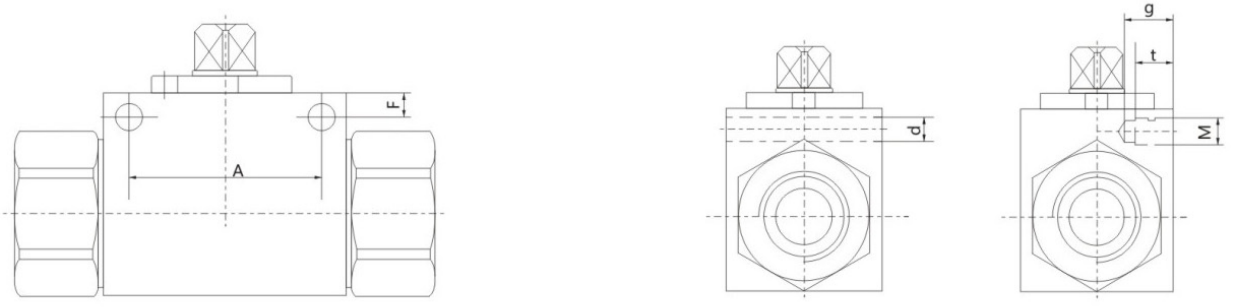
Model	DN	PN	LW	RA	d1	I	L	L1	B	H	h1	h2	h3	SW1	S
KHB3K-08SR	4	315	5	8	M16x1.5	12	73	39	28	44.5	13	34	8	9	37
KHB3K-10SR	6	315	6	10	M18x1.5	12	73	39	28	44.5	13	34	8	9	37
KHB3K-12SR	8	315	8	12	M20x1.5	12	76	43	32	52.5	17	40	8	9	38
KHB3K-14SR	10	315	10	14	M22x1.5	14	80	43	32	52.5	17	40	8	9	40
KHB3K-16SR	13	315	13	16	M24x1.5	14	86	49	35	52.5	17	40	8	9	43.5
KHB3K-20SR	13	315	13	20	M30x2	16	90	49	35	52.5	17	40	8	9	45.5
KHB3K-20SR	16	315	15	22	M30x2	16	90	48	38	63.5	19	46	11	12	45.5
KHB3K-25SR	20	315	19	25	M36x2	18	109	61	48	75	24	54	12	12	56
KHB3K-30SR	25	315	25	30	M42x2	20	120	66	55	82	28.5	61	12	12	60
KHB3K-38SR	32	315	25	38	M52x2	22	124	66	60	82	28.5	64	12	14	62

KHB,KHB3K

KHB,KHB3K Series Ball Valve Aside Mounting Holes Series



Tape mounting series



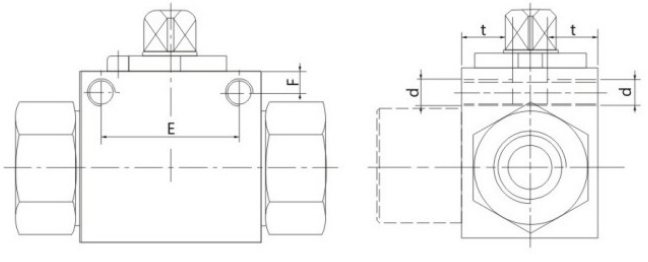
● Full holes dimensions

DN	A	d	F
4	30	4.6	5
6	30	5	4.8
10	32	6.6	5
13	37.5	6.6	4.8
16	37.5	6.6	5
20	48.5	6.5	6
25	50.5	6.5	6
32	50.5	8.5	5.5

● Thread holes dimensions

DN	A	t	F	g	M
4	30	6.7	6	9	M6
6	30	6.7	6	9	M6
10	32	8	5.5	10	M6
13	37.5	9	6	11	M6
16	37.5	8	8	10.5	M6
20	45	13	7.5	15	M10
25	45	13	7.5	15	M10
32	45	13	7.5	15	M10

Side double threaded mounting holes



DN	E	F	t	d
4	24	4.5	9	M6
6	24	4.5	9	M6
10	32	5.5	12	M6
13	36	6	12	M6
16	32	6.5	12	M6
20	45	7.5	12	M6
25	45	7.5	12	M6
25/32	45	7.5	12	M6