

KHP KHP3K Plate-type High Pressure Ball Valve

● Description

KHP: Plate two-way high-pressure hydraulic ball valve (two-position two-way). For standard plate installation, it is directly fastened to the hydraulic integrated valve block, eliminating pipeline joints and reducing leakage points. The 90-degree rotation of the handle realizes the on/off/reversing of the oil circuit, and the floating ball is self-tightly sealed, with excellent high-pressure pressure holding performance. Used for oil circuit cutting, circuit isolation and equipment maintenance.

● Features

1. Plate-type directly-mounted integrated unit, with a compact structure and simple layout.
2. Floating ball design for two-way sealing, resulting in minimal leakage when closed.
3. Full-bore design that ensures low flow resistance and minimal pressure loss.
4. 90° manual operation – easy to use, with an intuitive indication of the on/off status.
5. Forged steel valve body with high pressure resistance; carbon steel or stainless steel options available.
6. Various sealing options (NBR/FKM) suitable for media such as mineral oil and water-ethylene glycol mixtures.
7. Multiple handle options available; it is also possible to omit the handle along with the actuator.

● Technical Specifications

Nominal pressure: 31.5 MPa, min. 50 MPa

Port size range: DN06 ~ DN50

Operation mode: Manual 90° rotation (two-position)

Installation: Plate-mounted installation (hydraulic integration block)

Suitable media: Mineral hydraulic oil, emulsion, water glycol, synthetic hydraulic oil.

Media temperature range: NBR: -25 ~ 100 ; FKM: -20 ~ 120

Recommended oil cleanliness level: ISO 4406: 18/16/13

Sealing mechanism: Floating ball self-sealing.

● Application Scenarios

Hydraulic station, numerical control machine tool, construction machinery, injection molding machine, metallurgical equipment, accumulator system. Used for loop cut-off isolation.

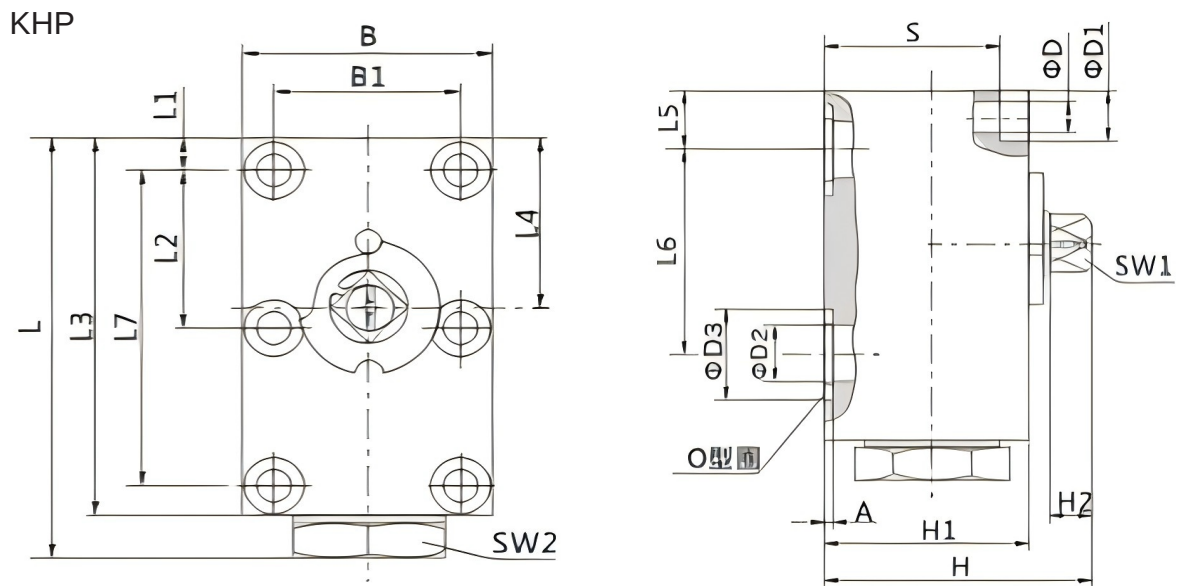


● Order Selection Table

	KHP	10	1	1	1	2	04	A
High Pressure Ball Valve								
KHP = Plate-type two-way high-pressure ball valve DN06 -50								
Nominal Diameter								
06、10、16、20、25、32、40、50								
Valve Body & Connector Material								
1 = Carbon steel 4 = Stainless steel								
Body& Spindle Material								
1 = Carbon steel 4 = Stainless steel								
Body Sealing Material								
1 = POM								
Connector Seal & Spindle Seal								
2 = NBR 4 = PIFE 6 = FKM								
Handle Type								
01 = Aluminum alloy crank handle 02 = Aluminum alloy straight handle 03 = Zinc alloy crank handle 04 = Zinc alloy straight handle 05 = Steel crank handle 06 = Steel straight handle								
Finish Treatment								

A = Plated Zinc
ZN = Customized

● Overall Dimensions



Model	DN	LW	L	L1	L2	L3	L4	L5	L6	L7	B	B1
KHP-06	06	6	64	8.5	17.5	69	25	8.5	35	35	40	27
KHP-10	10	9.5	80	8	27.5	71	29.5	10.5	44	55	56	40
KHP-16	16	16	110	8.5	41.5	100	43.5	17	58	83	62	45
KHP-20	20	20	127	10	48.5	118	51	20	69	97	70	51
KHP-25	25	25	148	10	57.5	135	62	24	81	115	80	60
KHP-32	32	32	177	12	68	165.5	75	29	96	136	100	78
KHP-40	40	38	192	28.5	56	180	85.5	28.5	112	112	130	95
KHP-50	50	48	245	38	68	220	106	38	136	136	149	112

Model	SW1	SW2	H	H1	H2	D	D1	D2	D3	A	S	O-Ring
KHP-06	9	22	39	30	6	6.6	11	6	12	1.4	23	12x1.9
KHP-10	9	30	54.5	42	8	9	13.5	9.5	16	1.8	33	16x2.4
KHP-16	12	36	67.5	50	11	9	13.5	16	25	1.8	41	25x2.4
KHP-20	12	41	80	70	12	10.5	16.5	20	30	2.4	53	30x3.1
KHP-25	12	50	86	67	12	10.5	16.5	25	35	2.4	56	35x3.1
KHP-32	17	65	100	90	14	13	19	32	40	2.4	67	40x3.1
KHP-40	17	75	120	100	14	17.5	26	38	50	2.4	82	50x3.1
KHP-50	17	75	130	100	14	22	33	48	56	2.7	88	56x3.5

Mode	KHP-06	KHP-10	KHP-16	KHP-20	KHP-25	KHP-32	KHP-40	KHP-50
Safety Bolt GB70-85	M6x30	M8x45	M8x50	M10x60	M10x70	M12x90	M16x90	M20x110
Torque (Nm)	13	30	35	60	60	110	300	600