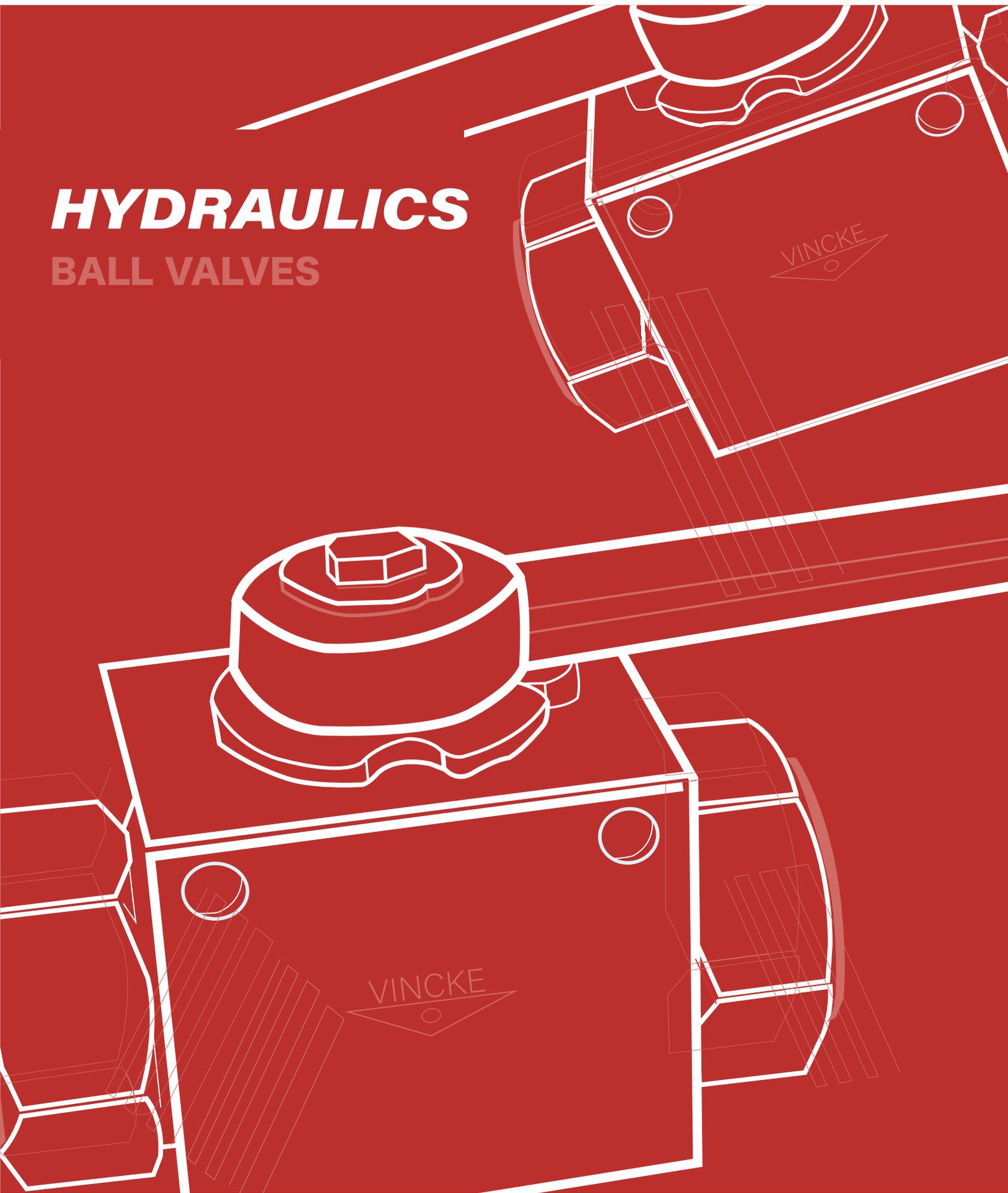


HYDRAULICS

BALL VALVES

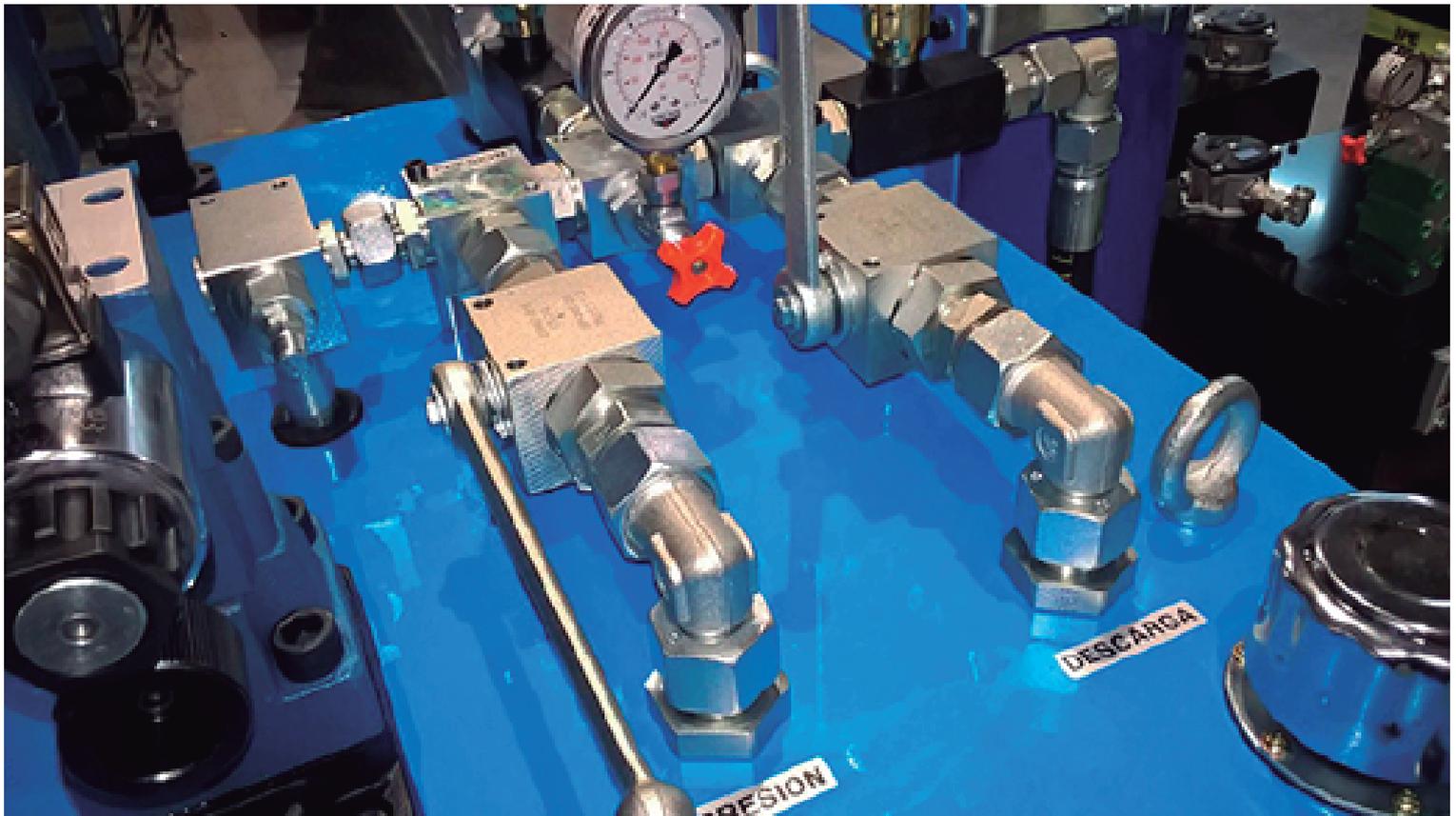


VINCKE

TECH-VHBV-200.1



VINCKE



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2. Multi-Way Ball Valves with Threaded Connections

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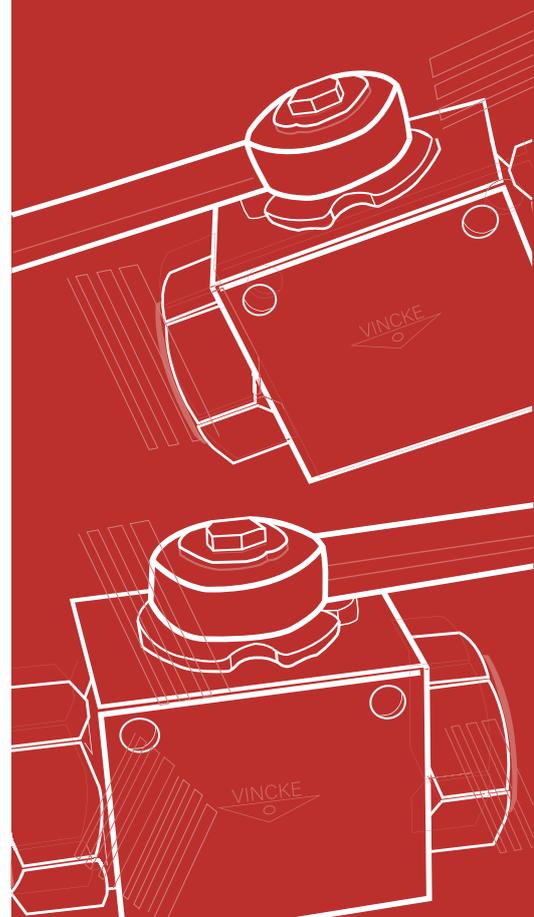
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Zinc alloy pressure crank handle	18
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BALL VALVES

VINCKE



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS



How to order

BKH	G1"1/2	1	1	1	2
(1)	(2)	(3)	(4)	(5)	(6)

(1) Model: BKH = 2 way ball valve

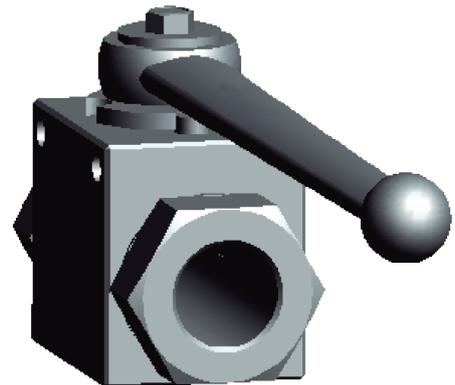
(2) Thread size: e.g. G1/2

(3) Block & connection material: 1 = Carbon steel
2 = Stainless steel 316

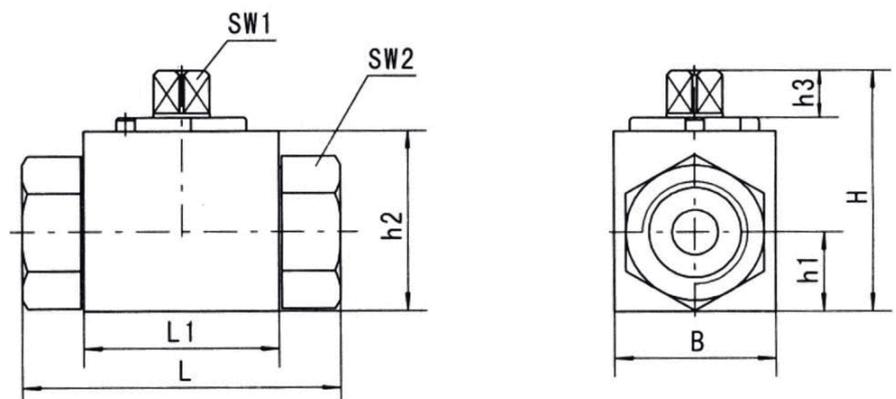
(4) Ball & stem material: 1 = Carbon steel
2 = Stainless steel 316

(5) Ball seat material: 1 = POM 4 = PTFE

(6) Connection & stem seal: 2 = NBR 4 = FPM



Dimensions



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Order information

ISO 228 Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BKH-G1/8	4	500	6	G1/8	10	69	37	28	44,5	13	32	8	9	22
BKH-G1/4	6	500	6	G1/4	14	69	37	28	44,5	13	32	8	9	22
BKH-G3/8	10	500	10	G3/8	14	72	42	32	52,5	17	40	8	9	27
BKH-G1/2	13	500	13	G1/2	16	83	48	35	52,5	17	40	8	9	30
BKH-G3/4	20	315	20	G3/4	18	95	60	48	72	24	57	12	14	41
BKH-G1"	25	315	25	G1"	20,5	113	65	57	82	28,5	64	12	14	50
BKH-G1"1/4	25	315	25	G1"1/4	22	120	65	60	82	28,5	64	12	14	55
BKH-G1"1/2	25	315	25	G1"1/2	22	120	65	60	82	28,5	64	12	14	55

ANSI B1.20.1NPT Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BKH-1/8NPT	4	500	6	NPT1/8	10	69	37	28	44,5	13	32	8	9	22
BKH-1/4NPT	6	500	6	NPT1/4	14	69	37	28	44,5	13	32	8	9	22
BKH-3/8NPT	10	500	10	NPT3/8	14	72	42	32	52,5	17	40	8	9	27
BKH-1/2NPT	13	500	13	NPT1/2	16	83	48	35	52,5	17	40	8	9	30
BKH-3/4NPT	20	315	20	NPT3/4	18	95	60	48	72	24	57	12	14	41
BKH-1"NPT	25	315	25	NPT1"	20,5	113	65	57	82	28,5	64	12	14	50
BKH-1"1/4NPT	25	315	25	NPT1"1/4	22	120	65	60	82	28,5	64	12	14	55
BKH-1"1/2NPT	25	315	25	NPT1"1/2	22	120	65	60	82	28,5	64	12	14	55



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Order information

DIN 2353 Light series

Model	DN	PN	LW	RA	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BKH-06LR	4	500	4	6	M12x1,5	10	67	37	28	44,5	13	32	8	9	22
BKH-08LR	6	500	6	8	M14x1,5	10	67	37	28	44,5	13	32	8	9	22
BKH-10LR	8	500	8	10	M16x1,5	11	74	42	32	52,5	17	40	8	9	27
BKH-12LR	10	500	10	12	M18x1,5	11	74	42	32	52,5	17	40	8	9	27
BKH-15LR	13	500	13	15	M22x1,5	12	82	48	35	52,5	17	40	8	9	30
BKH-15LR	13	400	13	15	M22x1,5	12	82	47	38	63,5	19	46	11	12	32
BKH-18LR	13	500	13	18	M26x1,5	12	82	48	35	52,5	17	40	8	9	30
BKH-18LR	16	400	15	18	M26x1,5	12	82	47	38	63,5	19	46	11	12	32
BKH-22LR	20	315	19	22	M30x2	14	101	60	48	75	24	57	12	14	41
BKH-28LR	25	315	25	28	M36x2	14	108	65	57	82	28,5	64	12	14	50
BKH-35LR	25	315	25	35	M45x2	16	112	65	60	82	28,5	64	12	14	50



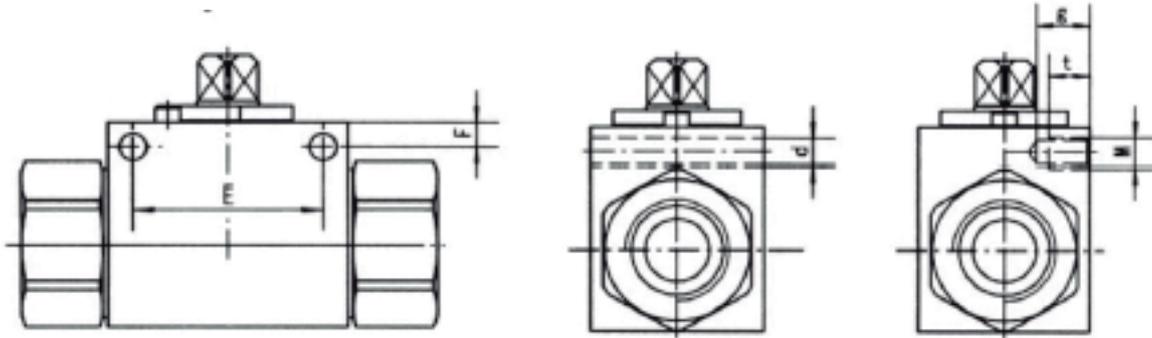
DIN 2353 Heavy series

Model	DN	PN	LW	RA	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BKH-08SR	4	500	5	8	M16x1,5	12	73	37	28	44,5	13	32	8	9	22
BKH-10SR	6	500	6	10	M18x1,5	12	73	37	28	44,5	13	32	8	9	22
BKH-12SR	8	500	8	12	M20x1,5	12	76	42	32	52,5	17	40	8	9	27
BKH-14SR	10	500	10	14	M22x1,5	14	80	42	32	52,5	17	40	8	9	27
BKH-16SR	13	500	13	16	M24x1,5	14	86	48	35	52,5	17	40	8	9	30
BKH-16SR	13	400	13	16	M24x1,5	14	86	47	38	63,5	19	46	11	12	32
BKH-20SR	13	500	13	20	M30x2	16	90	48	35	52,5	17	40	8	9	32
BKH-20SR	16	400	15	20	M30x2	16	90	47	38	63,5	19	46	11	12	32
BKH-25SR	20	315	20	25	M36x2	18	109	60	48	75	24	57	12	14	41
BKH-30SR	25	315	25	30	M42x2	20	120	65	57	82	28,5	64	12	14	50
BKH-38SR	25	315	25	38	M52x2	22	124	65	60	82	28,5	64	12	14	55



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS



Full Holes Dimensions

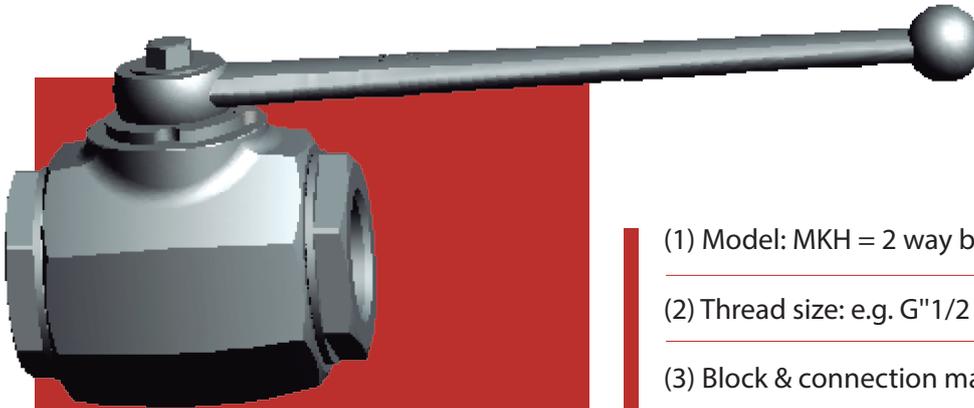
DN	E	F	d
4	26	5	4,5
6	26	5	4,5
10	32	5	6,5
13	37,5	4,8	6,5
16	37,5	5	6,5
20	45	6,5	6,5
25	55	6	6,7
25/32	55	6	6,7

Thread Holes Dimensions

DN	E	F	d	g	M
4	24	6	6,5	9	M6
6	24	6	6,5	9	M6
10	32	5,5	7	10	M6
13	36	6	8,5	11	M6
16	32	8	7	10,5	M10
20	45	7,5	12	15	M10
25	45	7,5	12	15	M10
25/32	45	7,5	12	15	M10

VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS



How to order

MKH	G1"1/2	1	1	1	2
(1)	(2)	(3)	(4)	(5)	(6)

(1) Model: MKH = 2 way ball valve

(2) Thread size: e.g. G"1/2

(3) Block & connection material: 1 = Carbon steel
2 = Stainless steel 316

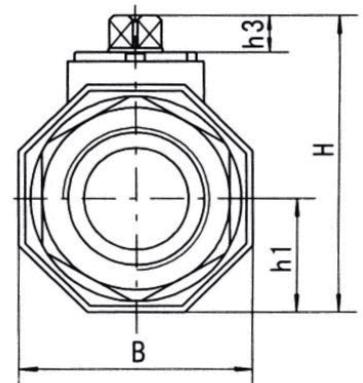
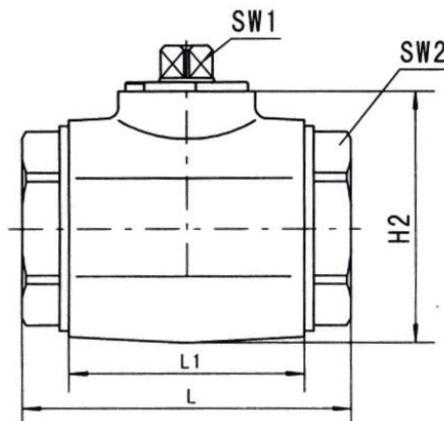
(4) Ball & stem material: 1 = Carbon steel
2 = Stainless steel 316

(5) Ball seat material: 1 = POM 4 = PTFE

(6) Connection & stem seal: 2 = NBR 4 = FPM



Dimensions



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Order information

ISO 228 Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
MKH-G1"1/4	32	315	30	G1"1/4	22	110	84	75	104,5	37,5	84	14	17	60
MKH-G1"1/2	40	315	38	G1"1/2	24	130	91	85	115,5	42,5	95	14	17	70
MKH-G2"	50	315	48	G2"	26	140	100	105	133	52,5	112,5	14	17	80

ANSI B1.20.1NPT Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
MKH-1"1/4NPT	32	315	30	NPT1"1/4	22	110	84	75	104,5	37,5	84	14	17	60
MKH-1"1/2NPT	40	315	38	NPT1"1/2	24	130	91	85	115,5	42,5	95	14	17	70
MKH-2"NPT	50	315	48	NPT2"	26	140	100	105	133	52,5	112,5	14	17	80

DIN 2353 Light series

Model	DN	PN	LW	RA	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
MKH-35LR	32	315	30	35	M45x2	16	141	84	75	104,5	37,5	84	14	17	60
MKH-42LR	40	315	38	42	M52x2	16	162	91	85	115,5	42,5	95	14	17	70

DIN 2353 Heavy series

Model	DN	PN	LW	RA	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
MKH-38SR	32	315	30	38	M52x2	22	153	84	75	104,5	37,5	84	14	17	60



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS



How to order

BK3 M G1/2 L 1 1 1 2
 (1) (2) (3) (4) (5) (6) (7) (8)



- (1) Model: BK3 = Square body

- (2) Third way: without "M" = Female thread
with "M" = Male thread

- (3) Thread size: e.g. G1/2

- (4) Porting pattern: See chart of porting pattern

- (5) Block & connection material: 1 = Carbon steel
2 = Stainless steel 316

- (6) Ball & stem material: 1 = Carbon steel
2 = Stainless steel 316

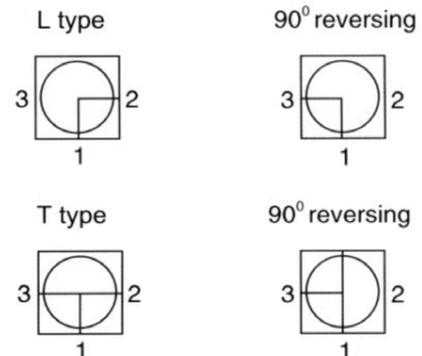
- (7) Ball seat material: 1 = POM 4 = PTFE

- (8) Connection & stem seal: 2 = NBR 4 = FPM

Porting pattern (See chart)

Hydraulic oil just can flow into valve through port "1", and the valve only can be sealed under the two situations:

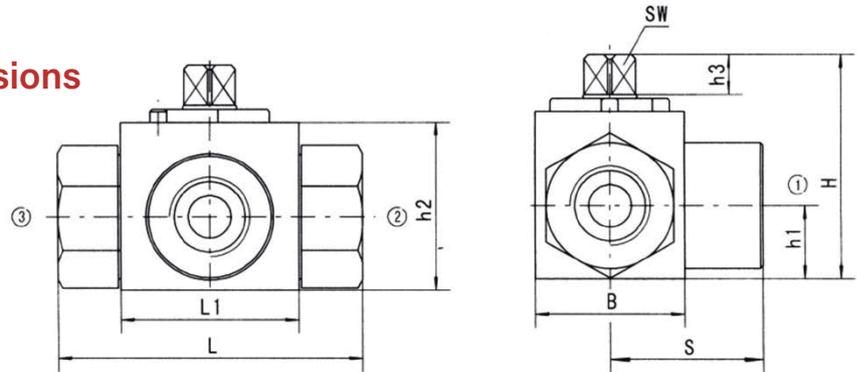
- (1) Pressure at the closed port is zero:
- (2) Pressure at the closed port is lower than at the two open ports.



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Dimensions



Order information

ISO 228 Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-G1/8	4	315	6	G1/8	10	69	37	28	44,5	13	32	8	9	35
BK3-G1/4	6	315	6	G1/4	14	69	37	28	44,5	13	32	8	9	35
BK3-G3/8	10	315	10	G3/8	14	72	42	32	52,5	17	40	8	9	36
BK3-G1/2	13	315	13	G1/2	16	83	48	35	52,5	17	40	8	9	42
BK3-G3/4	20	315	20	G3/4	18	95	60	48	75	24	57	12	14	49
BK3-G1"	25	315	25	G1"	20,5	113	65	57	82	28,5	64	12	14	56,5
BK3-G1"1/4	25	315	25	G1"1/4	22	120	65	60	82	28,5	64	12	14	60

ANSI B1.20.1NPT Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-1/8NPT	4	315	6	NPT1/8	10	69	37	28	44,5	13	32	8	9	35
BK3-1/4NPT	6	315	6	NPT1/4	14	69	37	28	44,5	13	32	8	9	35
BK3-3/8NPT	10	315	10	NPT3/8	14	72	42	32	52,5	17	40	8	9	36
BK3-1/2NPT	13	315	13	NPT1/2	16	83	48	35	52,5	17	40	8	9	42
BK3-3/4NPT	20	315	20	NPT3/4	18	95	60	48	75	24	57	12	14	49
BK3-1"NPT	25	315	25	NPT1"	20,5	113	65	57	82	28,5	64	12	14	56,5
BK3-1"1/4NPT	25	315	25	NPT1"1/4	22	120	65	60	82	28,5	64	12	14	60



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Order information

DIN 2353 Light series

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-06LR	4	315	4 6	M12x1,5	10	67	37	28	44,5	13	32	8	9	34,5
BK3-08LR	6	315	6 8	M14x1,5	10	67	37	28	44,5	13	32	8	9	34,5
BK3-10LR	8	315	8 10	M16x1,5	11	74	42	32	52,5	17	40	8	9	37
BK3-12LR	10	315	10 12	M18x1,5	11	74	42	32	52,5	17	40	8	9	37
BK3-15LR	13	315	13 15	M22x1,5	12	82	48	35	52,5	17	40	8	9	40
BK3-15LR	13	315	13 15	M22x1,5	12	82	47	38	63,5	19	46	11	12	40
BK3-18LR	13	315	13 18	M26x1,5	12	82	48	35	52,5	17	40	8	9	42
BK3-18LR	16	315	15 18	M26x1,5	12	82	47	38	63,5	19	46	11	12	42
BK3-22LR	20	315	19 22	M30x2	14	101	60	48	75	24	57	12	14	52
BK3-28LR	25	315	25 28	M36x2	14	108	65	57	82	28,5	64	12	14	54
BK3-35LR	25	315	25 35	M45x2	16	112	65	60	82	28,5	64	12	14	56



DIN 2353 Heavy series

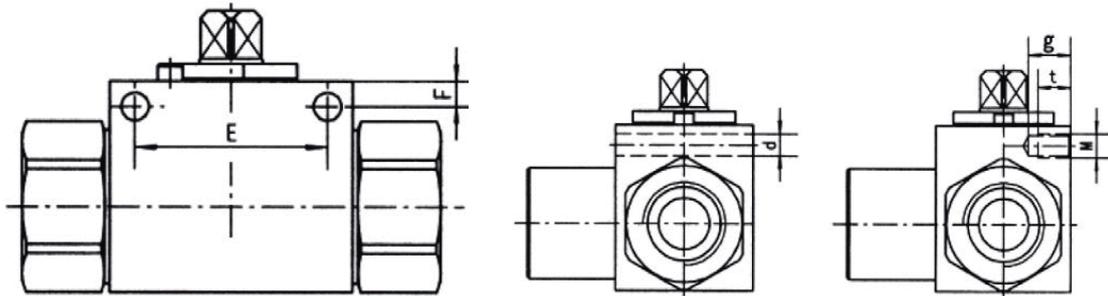
Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-08SR	4	315	5 8	M16x1,5	12	73	37	28	44,5	13	32	8	9	37
BK3-10SR	6	315	6 10	M18x1,5	12	73	37	28	44,5	13	32	8	9	37
BK3-12SR	8	315	8 12	M20x1,5	14	76	42	32	52,5	17	40	8	9	38
BK3-14SR	10	315	10 14	M22x1,5	14	80	42	32	52,5	17	40	8	9	40
BK3-16SR	13	315	13 16	M24x1,5	14	86	48	35	52,5	17	40	8	9	43,5
BK3-16SR	13	315	13 16	M24x1,5	14	86	47	38	63,5	19	46	11	12	43,5
BK3-20SR	13	315	13 20	M30x2	16	90	48	35	52,5	17	40	8	9	45,5
BK3-20SR	16	315	15 20	M30x2	16	90	47	38	63,5	19	46	11	12	45,5
BK3-25SR	20	315	20 25	M36x2	18	109	60	48	75	24	57	12	14	56
BK3-30SR	25	315	25 30	M42x2	20	120	65	57	82	28,5	64	12	14	60
BK3-38SR	25	315	25 38	M52x2	22	124	65	60	82	28,5	64	12	14	62

VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Dimensions

3-way Ball Valves with Mounting Holes



Full Holes Dimensions

DN	E	F	d
4	26	5	4,5
6	26	5	4,5
10	32	5	6,5
13	37,5	4,8	6,5
16	37,5	5	6,5
20	45	6,5	6,5
25	55	6	6,7
25/32	55	6	6,7

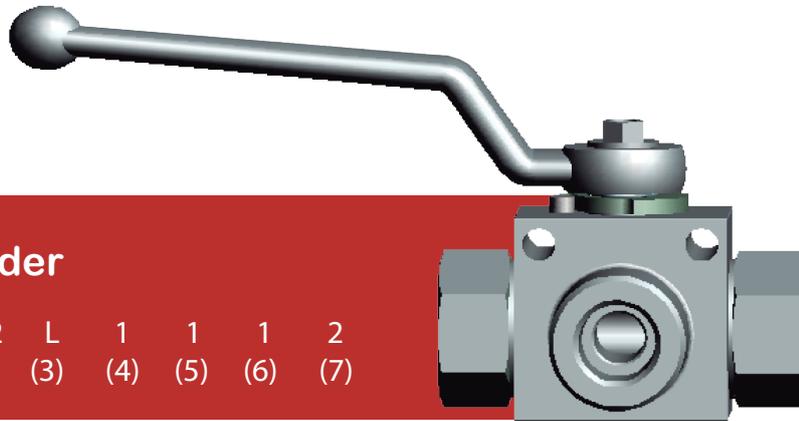
Thread Holes Dimensions

DN	E	F	d	g	M
4	24	6	6,5	9	M6
6	24	6	6,5	9	M6
10	32	5,5	7	10	M6
13	36	6	8,5	11	M6
16	32	8	7	10,5	M10
20	45	7,5	12	15	M10
25	45	7,5	12	15	M10
25/32	45	7,5	12	15	M10



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS



How to order

BK3-T G"1/2 L 1 1 1 2
 (1) (2) (3) (4) (5) (6) (7)

(1) Model: BK3-T = Square body

(2) Thread size: e.g. G1"1/2

(3) Porting pattern: See chart of porting pattern

(4) Block & connection material: 1 = Carbon steel
 2 = Stainless steel 316

(5) Ball & stem material: 1 = Carbon steel
 2 = Stainless steel 316

(6) Ball seat material: 1 = POM 4 = PTFE

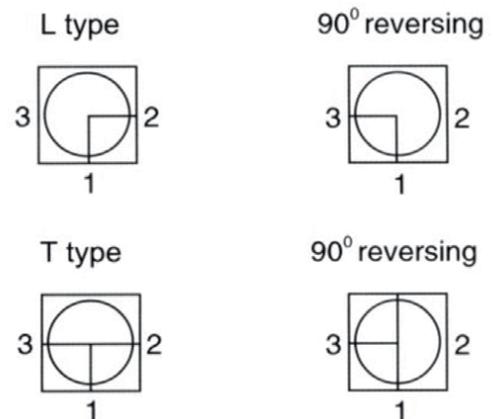
(7) Connection & stem seal: 2 = NBR 4 = FPM



Porting pattern (See chart)

Hydraulic oil just can flow into valve through port "1", and the valve only can be sealed under the two situations:

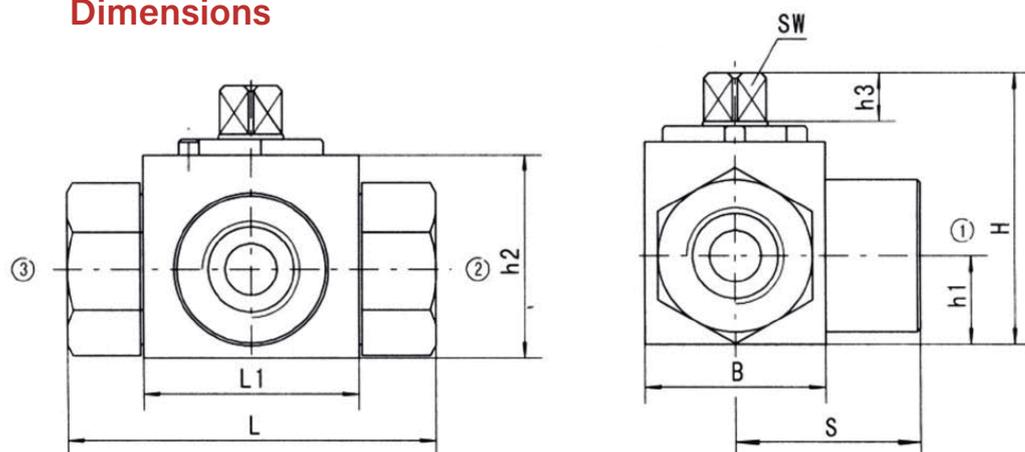
- 1) Pressure at the closed port is zero:
- (2) Pressure at the closed port is lower than at the two open ports.



VINCKE HYDRAULICS BALL VALVES

WAY BALL VALVES WITH THREADED CONNECTIONS

Dimensions



Order information

ISO 228 Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-G1"1/4	32	315	30	G1"1/4	22	110	84	75	104,5	37,5	84	14	17	55
BK3-G1"1/2	40	315	38	G1"1/2	24	130	91	85	115,5	42,5	95	14	17	65
BK3-G2"	50	315	48	G2"	26	140	100	105	133	52,5	112,5	14	17	70

ANSI B1.20.1NPT Female

Model	DN	PN	LW	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2
BK3-1"1/4NPT	32	315	30	NPT1"1/4	22	110	84	75	104,5	37,5	84	14	17	55
BK3-1"1/2NPT	40	315	38	NPT1"1/2	24	130	91	85	115,5	42,5	95	14	17	65
BK3-2"NPT	50	315	48	NPT2"	26	140	100	105	133	52,5	112,5	14	17	70



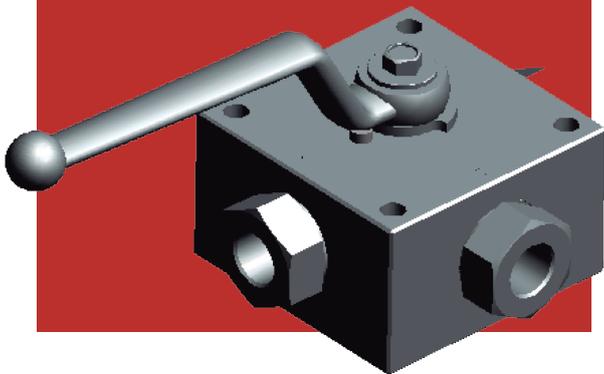
VINCKE HYDRAULICS BALL VALVES

MULTI-WAY BALL VALVES WITH THREADED CONNECTIONS



How to order

3KH G1/2 L 1 1 1 2 SB01
 (1) (2) (3) (4) (5) (6) (7) (8)



(1) Model: 3KH = 3 way ball valve
 4KH = 4 way ball valve

(2) Thread size or pipe outside diameter:

- A= Female thread ISO 228 (see Dimensions)
- B = Male thread JB984-77 (see Dimensions)
- C = Male thread DIN 2353 light series (see Dimensions)
- D = Male thread DIN 2353 heavy series (see Dimensions)

(3) Ball symbol 3KH-L; 3KH-T; 4KH-L; 4KH-T; 4KH-X

(4) Block & connection material: 1 = Carbon steel
 2 = Stainless steel

(5) Ball & stem material: 1 = Carbon steel
 2 = Stainless steel

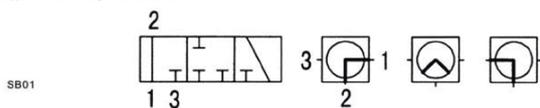
(6) Ball seat material: 1 = POM

(7) Connection & stem seal: 2 = NBR
 4 = FPM

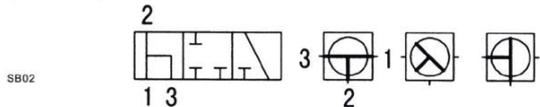
(8) Porting pattern type: e.g. SB01 (see Porting pattern)

Porting pattern (See chart)

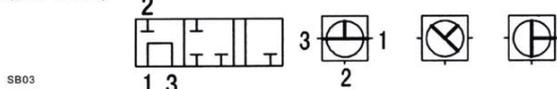
3 way ball valve L type 90° reversing , 45° closure



3 way ball valve L type 90° reversing , 45° closure



3 way ball valve T type 90° reversing

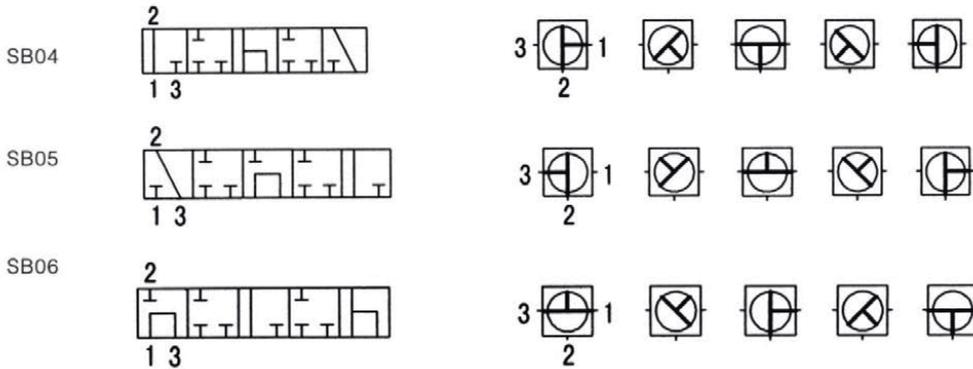


VINCKE HYDRAULICS BALL VALVES

MULTI-WAY BALL VALVES WITH THREADED CONNECTIONS

Porting pattern (See chart)

3 way ball valve T type 180° reversing



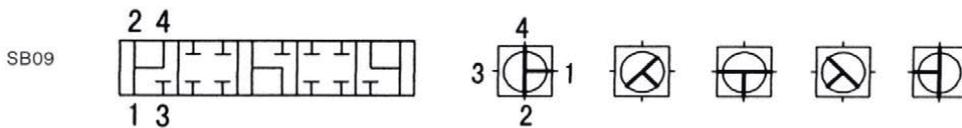
4 way ball valve T type 180° reversing



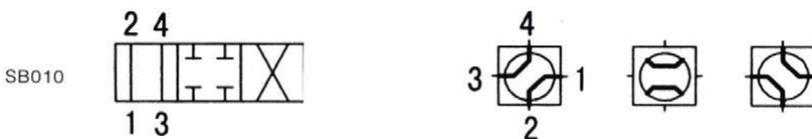
4 way ball valve T type 90° reversing



4 way ball valve T type 180° reversing



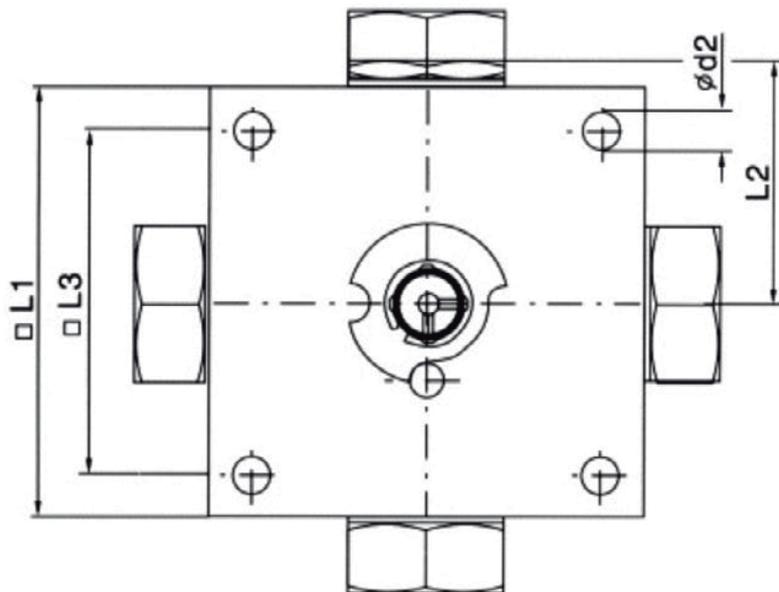
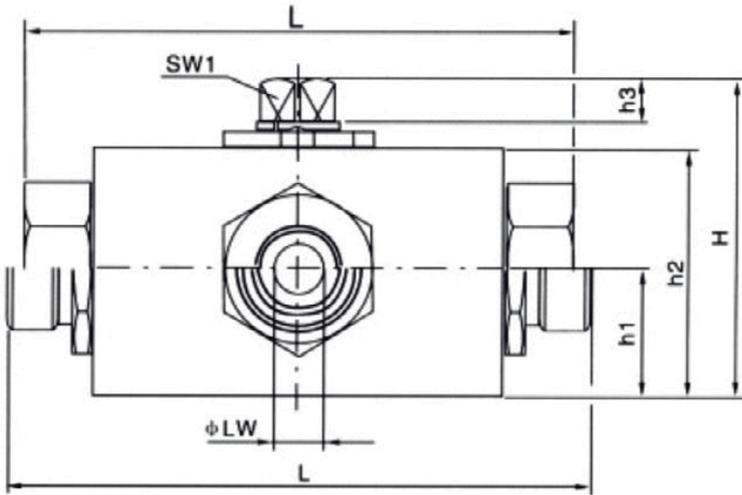
4 way ball valve X type 90° reversing



VINCKE HYDRAULICS BALL VALVES

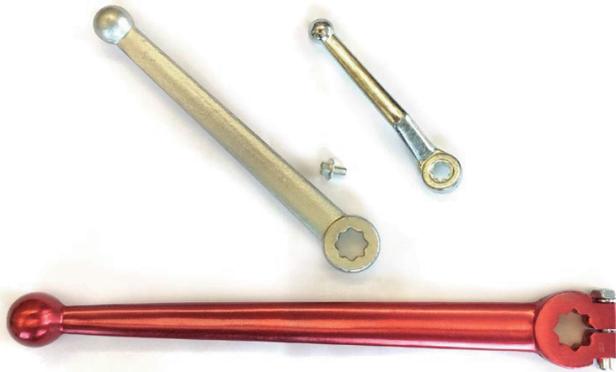
MULTI-WAY BALL VALVES WITH THREADED CONNECTIONS

Dimensions

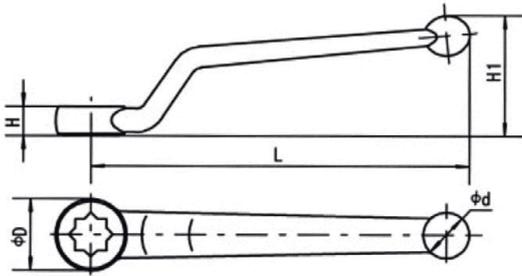


VINCKE HYDRAULICS BALL VALVES

HANDLE

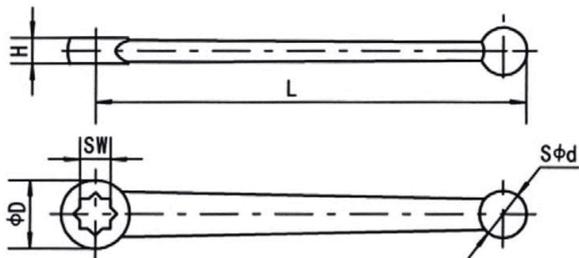


Zinc alloy pressure crank handle



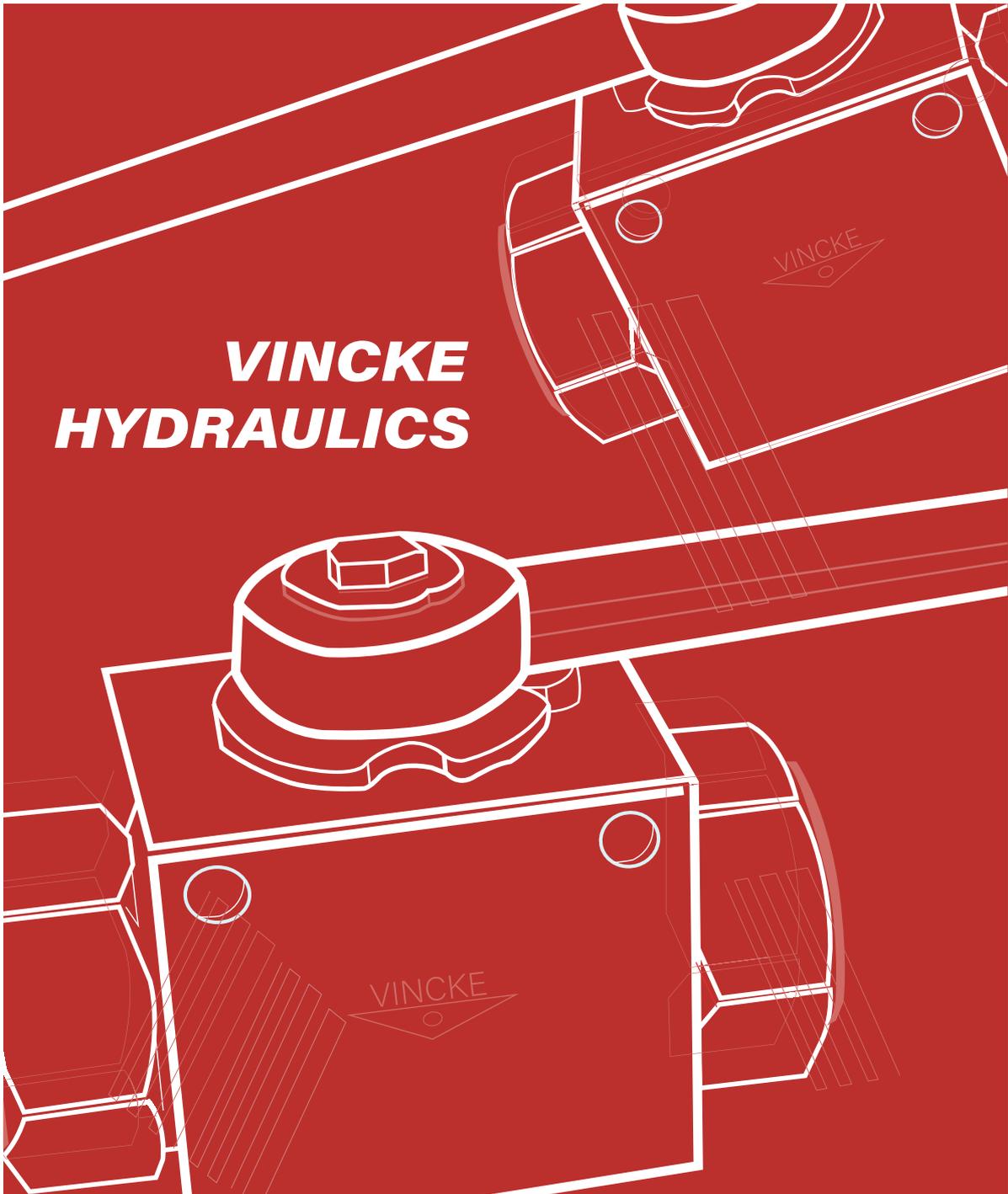
Model	SW	L	H	H1	D	d	Hexbolt
HANDLE-9L	9	120	8,5	36	5	15	M5x8

Steel pressure straight handle



Model	SW	L	H	D	d	Hexbolt
HANDLE-14	14	200	13	32	24	M6x25
HANDLE-17	17	260	15	36	26	M6x30

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