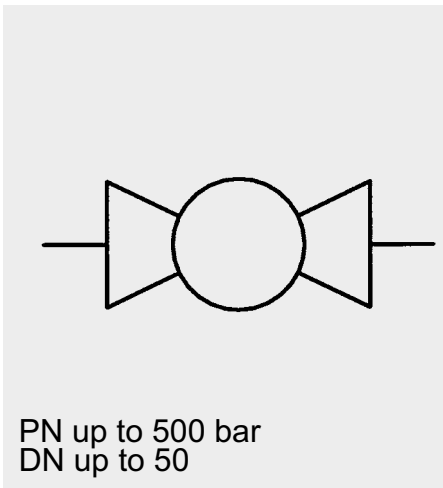




Ball valves

KHB / KHM

Model code
(also order example)

KHB G 1/2 1112 01 X .

Designation

KHB = Block-type ball valve DN 04-25
KHM = Sleeve-type ball valve DN 32-50

Type of connection

Thread size or
Outside diameter of pipe
and type of connection

Materials

Housing, connection adapters and control spindle

1 = Steel

Ball

1 = Steel

Ball seals

1 = POM
3 = PTFE
8 = Peek

Control spindle seal and connection seal

2 = NBR (Perbunan)
3 = PTFE
4 = FKM (Viton)

Handle

01 = Straight Handle
06 = Steel Handle

Series

(determined by manufacturer)

Surface protection

... = phosphate-plated (no details required)
A = zinc-plated, chrome (VI)-free

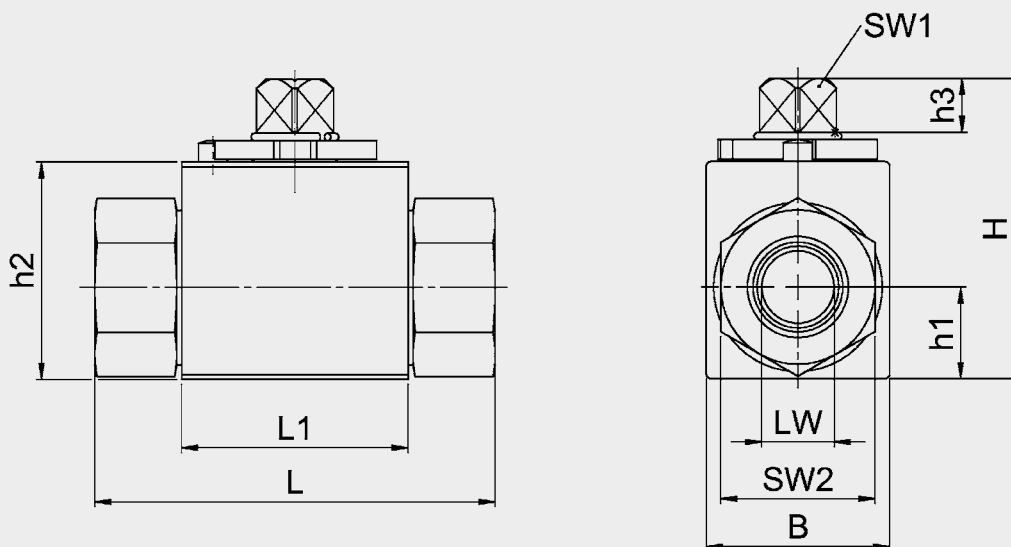
Delivery for non-standard valves is longer and the price is higher.

Technical specifications

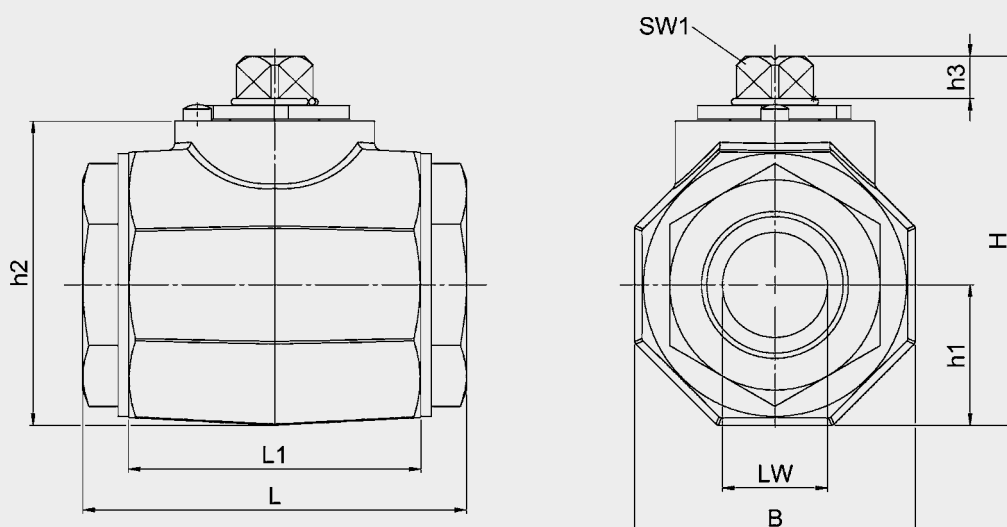
Construction:	Block-type KHB DN 04 - 25 Sleeve-type KHM DN 32 - 50
Types of connection:	Light and heavy threaded pipe connection to DIN 2353 Whitworth female thread to ISO 228 NPT SAE
Mounting position:	Optional
Ambient temperature:	-10 °C to +80 °C
Nominal pressure:	up to PN 500 bar
Operating fluids:	Mineral oil to DIN 51524 Part 1 and Part 2 (other fluids on request)
Temperature of operating fluid:	-10 °C to +80 °C
Type of construction:	Shut-off device is a ball
Weight:	See table
Flow direction:	Optional

Dimensions

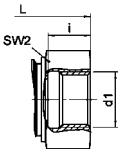
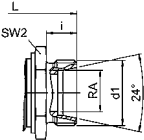
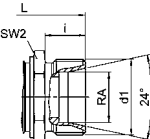
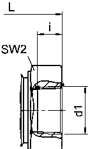
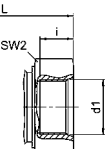
KHB



KHM



Steel

Connection type	Type	DN	LW	RA	d1	i	L	L1	B	H	h1	h2	h3	SW1	SW2	Wt. [kg]	Nom. press. PN [bar]
DIN ISO 228 Female thread  KHB/KHM	KHB-G1/8	4	8	–	G1/8	10	69	41	40	44	13	40	7	9	27	0.29	500
	KHB-G1/4	6	8	–	G1/4	14	69	41	40	44	13	40	7	9	27	0.32	500
	KHB-G3/8	10	10	–	G3/8	14	69	41	40	53	17	40	8.5	9	27	0.46	500
	KHB-G1/2	13	13	–	G1/2	15	84	46	45	53	17	45	8.5	12	32	0.59	500
	KHB-G3/4	16	16	–	G3/4	18	84	46	45	75	24.5	45	11.6	12	36	1.3	420
	KHB-G1	20	20	–	G1	20.5	108	58.5	48	82	28.5	57	11.6	14	41	2.03	350
	KHB-G11/4	25	25	–	G11/4	22	113	63	57	82	28.5	64	11.6	14	50	2.50	350
	KHB-G11/2	32	30	–	G11/2	24	130	83	75	116.2	45	85	12	17	65	4.4	350
DIN 2353 Light range  KHB/KHM	KHB-06LR	4	4	6	M12x1.5	7	67	41	40	44	13	40	7	9	27	0.26	500
	KHB-08LR	6	6	8	M14x1.5	7	67	41	40	44	13	40	7	9	27	0.26	500
	KHB-10LR	8	8	10	M16x1.5	11	74	41	40	53	17	40	8.5	9	27	0.43	500
	KHB-12LR	10	10	12	M18x1.5	11	74	41	40	53	17	40	8.5	9	27	0.43	500
	KHB-15LR	13	12	15	M22x1.5	12	82	46	45	62	19	45	11.6	12	32	0.64	500
	KHB-18LR	16	15	18	M26x1.5	12	82	46	45	62	19	45	11	12	32	1.25	420
	KHB-22LR	20	19	22	M30x2	14	101	58.5	48	75	24.5	57	11.6	14	41	1.54	350
	KHB-28LR	25	24	28	M36x2	14	108	63	57	82	28.5	64	11.6	14	50	1.54	350
DIN 2353 Heavy range  KHB/KHM	KHB-08SR	4	5	8	M16x1.5	7	73	41	40	44	13	40	7	9	22	0.28	500
	KHB-10SR	6	7	10	M18x1.5	7.5	73	41	40	44	13	40	7	9	22	0.32	500
	KHB-12SR	8	8	12	M20x1.5	12	76	41	40	53	17	40	8.5	9	27	0.45	500
	KHB-14SR	10	10	14	M22x1.5	14	80	41	40	53	17	40	8.5	9	27	0.50	500
	KHB-16SR	13	12	16	M24x1.5	14	86	46	45	62	19	45	11.6	12	32	0.65	500
	KHB-20SR	16	15	20	M30x2	16	90	46	45	62	19	45	11	12	32	0.67	420
	KHB-25SR	20	20	25	M36x2	18	109	58.5	48	75	24.5	57	11.6	14	41	1.32	350
	KHB-30SR	25	25	30	M42x2	20	120	63	57	82	28.5	64	11.6	14	50	1.87	350
ANSI B1.20.1 NPT female thread  KHB/KHM	KHB-06NPT	6	8	–	1/4 - 18 NPT	6.7	69	41	40	44	13	40	7	9	27	0.3	500
	KHB-10NPT	10	10	–	3/8 - 18 NPT	10.36	69	41	40	53	17	40	8.5	9	27	0.5	500
	KHB-16NPT	13	13	–	1/2 - 14 NPT	13.56	84	46	45	53	17	45	8.5	12	32	0.6	500
	KHB-20NPT	16	16	–	3/4 - 14 NPT	13.86	84	46	45	75	24.5	45	11.6	12	41	1.3	420
	KHB-25NPT	20	20	–	1 - 11 1/2 NPT	17.34	108	58.5	48	82	28.5	57	11.6	14	41	2	350
	KHB-32NPT	25	25	–	1 1/4 - 11 1/2 NPT	17.95	113	63	57	105.2	40	64	12	17	55	3.1	350
	KHB-40NPT	30	30	–	1 1/2 - 11 1/2 NPT	18.38	130	83	75	116.2	45	85	12	17	65	4.4	350
	KHB-50NPT	38	38	–	2 - 11 1/2 NPT	19.22	140	85	80	134.2	55.5	87	12	17	75	6.6	350
SAE J 5/4 UN/UNF Female thread  KHB/KHM	KHB-06SAE	6	8	–	7/16 - 20 UNF	12	69	41	40	44	13	40	7	9	27	0.3	500
	KHB-10SAE	10	10	–	9/16 -18 UNF	13	69	41	40	53	17	40	8.5	9	27	0.5	500
	KHB-16SAE	13	12	–	3/4 - 16 UNF	15	84	46	45	62	19	45	11	12	32	0.6	500
	KHB-20SAE	16	16	–	1 1/16 - 12 UN	20	105	46	45	75	24.5	45	11.6	14	41	1.3	420
	KHB-25SAE	20	20	–	1 5/16 - 12 UN	20	113	58.5	48	82	28.5	57	11.6	14	50	2	350
	KHB-32SAE	25	25	–	1 5/8 - 12 UN	20	131	63	57	105.2	40	64	12	17	60	3.1	350
	KHB-40SAE	32	30	–	1 7/8 - 12 UN	20	140	83	75	116.2	45	85	12	17	70	4.4	350
	KHB-50SAE	40	38	–	2 1/2 - 12 UN	20	150	85	80	134.2	55.5	87	12	17	80	6.6	350