
High-Pressure 2-Way Ball Valves

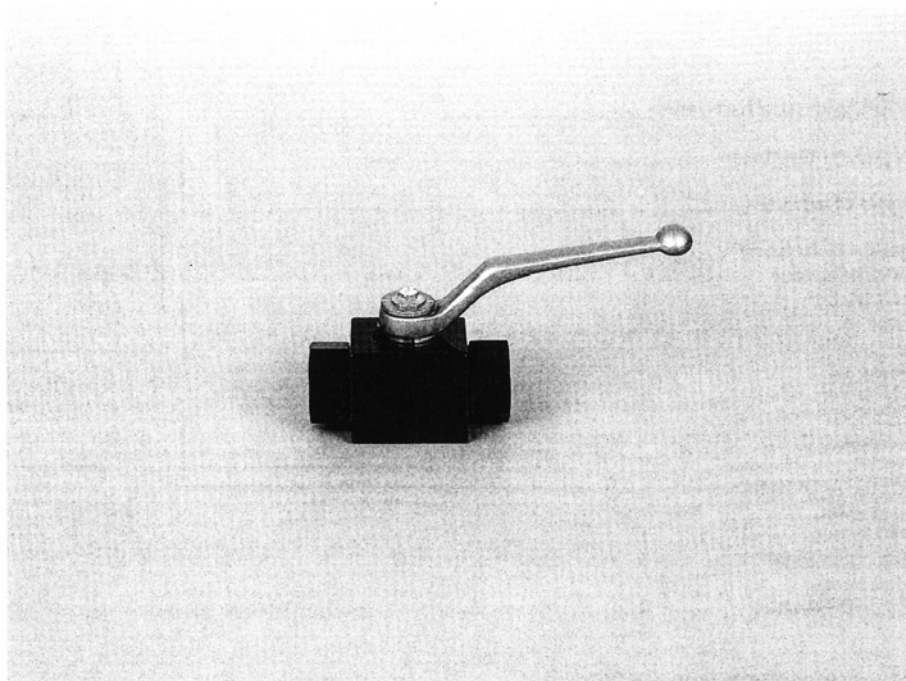
BKH Steel
PN 500 bar

BKH Stainless Steel
PN 500 bar



MHA-high-pressure ball valves type BKH are our well-established ball valves for the high-pressure range up to 500 bar nominal pressure. They can be delivered in nominal diameters from DN 4 to DN 25. Due to the different possible seal materials, the ball valves are suitable for various applications.

Our technical sales department will be pleased to assist you in finding the suitable material combination.



Dimensions

DIN 2353 · Light Series Please note the pressure ratings of the tube connections !

Type	DN ⁽¹⁾	PN ⁽²⁾	RA	LW	L	I	B	H	h±0,5	m	V	SW	K ⁽³⁾	i	d	Weight _{kg}
BKH- 6L	4	500	6	5	67	40	26	47	33	13,5	11	9	115	10	M 12x1,5	0,36
BKH- 8L	6	500	8	6	67	40	26	47	33	13,5	11	9	115	10	M 14x1,5	0,37
BKH-10L	8	500	10	8	74	40	26	47	33	13,5	11	9	115	11	M 16x1,5	0,38
BKH-12L	10	500	12	10	74	43	32	52	38	17,5	11	9	115	11	M 18x1,5	0,5
BKH-15L-SW9	13	500	15	13	82	48	35	54	40	19	11	9	115	12	M 22x1,5	0,61
BKH-15L-SW12	16	400	15	15	82	48	38	63	46	19	13	12	160	12	M 22x1,5	0,7
BKH-18L-SW9	13	500	18	13	82	48	35	54	40	19	11	9	115	12	M 26x1,5	0,6
BKH-18L-SW12	16	400	18	15	82	48	38	63	46	19	13	12	160	12	M 26x1,5	0,75
BKH-22L	20	315	22	20	101	62	49	75	57	24,5	14	14	200	14	M 30x2	1,49
BKH-28L	25	315	28	25	108	66	58	83	65	29,5	14	14	200	14	M 36x2	2,0
BKH-35L	25/32	315	35	25	112	66	58	83	65	29,5	14	14	200	16	M 45x2	2,12

DIN 2353 · Heavy Series Please note the pressure ratings of the tube connections !

Type	DN ⁽¹⁾	PN ⁽²⁾	RA	LW	L	I	B	H	h±0,5	m	V	SW	K ⁽³⁾	i	d	Weight _{kg}
BKH- 8S	4	500	8	5	73	40	26	47	33	13,5	11	9	115	12	M 16x1,5	0,38
BKH-10S	6	500	10	6	73	40	26	47	33	13,5	11	9	115	12	M 18x1,5	0,39
BKH-12S	8	500	12	8	76	40	26	47	33	13,5	11	9	115	12	M 20x1,5	0,39
BKH-14S	10	500	14	10	80	43	32	52	38	17,5	11	9	115	14	M 22x1,5	0,5
BKH-16S-SW9	13	500	16	13	86	48	35	54	40	19	11	9	115	14	M 24x1,5	0,6
BKH-16S-SW12	16	400	16	15	86	48	38	63	46	19	13	12	160	14	M 24x1,5	0,75
BKH-20S-SW9	13	500	20	13	90	48	35	54	40	19	11	9	115	16	M 30x2	0,6
BKH-20S-SW12	16	400	20	15	90°	48	38	63	46	19	13	12	160	16	M 30x2	0,8
BKH-25S	20	315	25	20	109	62	49	75	57	24,5	14	14	200	18	M 36x2	1,55
BKH-30S	25	315	30	25	120	66	58	83	65	29,5	14	14	200	20	M 42x2	2,1
BKH-38S	25/32	315	38	25	124	66	58	83	65	29,5	14	14	200	22	M 52x2	2,3

Female Thread DIN/ISO 228

Type	DN ⁽¹⁾	PN ⁽²⁾	LW	L	I	B	H	h±0,5	m	V	SW	K ⁽³⁾	i	d	Weight _{kg}
BKH-G1/8	4	500	5	69	40	26	47	33	13,5	11	9	115	10	G1/8	0,41
BKH-G1/4	6	500	6	69	40	26	47	33	13,5	11	9	115	14	G1/4	0,4
BKH-G3/8	10	500	10	72	43	32	52	38	17,5	11	9	115	14	G3/8	0,54
BKH-G1/2-SW9	13	500	13	83	48	35	54	40	19	11	9	115	16,3	G1/2	0,65
BKH-G1/2-SW12	16	400	15	83	48	38	63	46	19	13	12	160	16,3	G1/2	0,7
BKH-G5/8-SW9	13	500	13	83	48	35	54	40	19	11	9	115	16	G5/8	0,61
BKH-G5/8-SW12	16	400	15	83	48	38	63	46	19	13	12	160	16	G5/8	0,7
BKH-G3/4	20	315	20	95	62	49	75	57	24,5	14	14	200	18	G3/4	1,5
BKH-G1	25	315	25	113	66	58	83	65	29,5	14	14	200	20	G1	2,2
BKH-G1 1/4	25/32	315	25	120	66	58	83	65	29,5	14	14	200	22	G1 1/4	2,3

NPT Female Thread ANSI B1.20.1

Type	DN ⁽¹⁾	PN ⁽²⁾	LW	L	I	B	H	h±0,5	m	V	SW	K ⁽³⁾	i	d	Weight _{kg}
BKH-1/4"NPT	6	500	6	69	40	26	47	33	13,5	11	9	115	17	1/4"NPT	0,4
BKH-3/8"NPT	10	500	10	78	43	32	52	38	17,5	11	9	115	17,4	3/8"NPT	0,55
BKH-1/2"NPT	13	500	13	104	48	35	54	40	19	11	9	115	25	1/2"NPT	0,75
BKH-3/4"NPT	20	315	20	102	62	49	75	57	24,5	14	14	200	23,1	3/4"NPT	1,63
BKH-1"NPT	25	315	25	119	66	58	83	65	29,5	14	14	200	27,8	1"NPT	2,3
BKH-1 1/4"NPT	25/32	315	25	130	66	58	83	65	29,5	14	14	200	23	1 1/4"NPT	2,51

⁽¹⁾ DN in mm

⁽²⁾ PN in bar (1 bar=14.503 psi) depending on the seal material

⁽³⁾ The ball valve will be delivered without the handle being mounted.

Standard handles:

SW 9 - Zn bent

SW 12 - Al bent

SW 14 - Zn straight

Other designs and materials on request.

General Information

Admissible working temperature for body material

9SMn28K: - 10 °C to + 100°C

St52-3: - 60 °C to + 300°C

Stainless steel: - 60 °C to + 400°C

Attention: Please note lower pressures at higher temperatures.

Admissible working temperature for seal material

Buna-N - 35°C to + 100°C

Viton - 25°C to + 200°C

POM-MoS₂ - 30°C to + 100°C

Teflon - 200°C to + 220°C

EPDM - 50°C to + 130°C

Attention: Please note lower pressures at higher temperatures.

Storing and Assembling

1. Do not remove the dust caps during storing.
2. Pipes into which ball valves will be mounted have to be rinsed thoroughly before the assembly.
3. All pressure and temperature values in the catalogue are maximum values under normal conditions. Do not hesitate to enquire in special cases. MHA-ball valves with metal seals may also be used as throttling valves.

Pressure-temperature diagram for ball seal consisting of teflon

