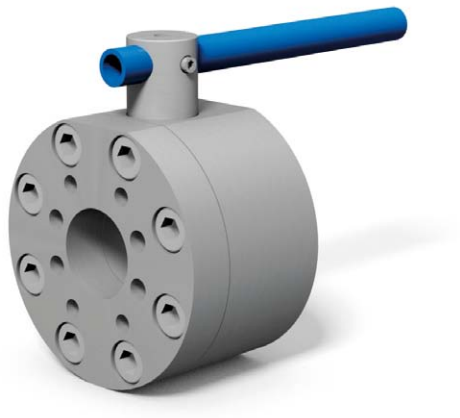
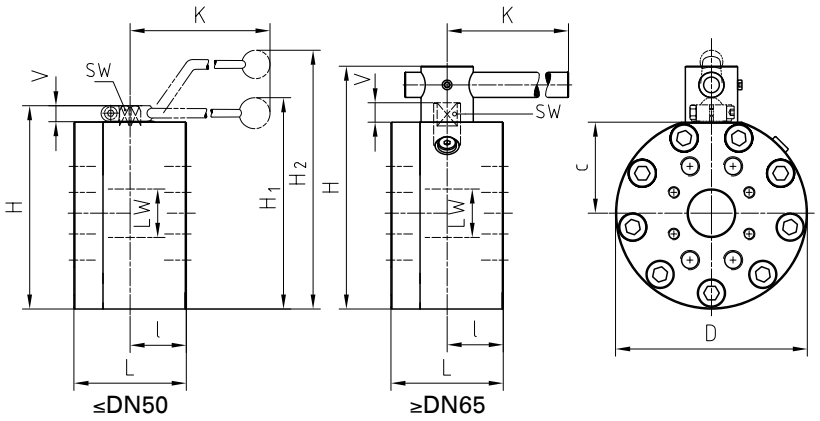
Flange ball valve with SAE connection metric / UNC Steel

KH-SAE





AVAILABLE SIZES

DN15 - DN80 (5/8“ to 3“)

CONNECTIONS

ISO 6162-1 and -2 (double flange pattern)

ACCESSORIES ON REQUEST

• Locking devices	page 222 - 226
• Actuators	220 - 221
• Mounting holes	on request
• Position switches	on request
• Combinations	on request
• Detent	on request

MATERIAL CODE DESCRIPTION

Materials	DN15-50 212A	DN15-50 2128	DN65-80 282A	DN65-80 2828
Body	Steel	Steel	Steel	Steel
Ball	Steel	Steel	Steel	Steel
Stem	Steel	Steel	Duplex	Duplex
Ball seats	POM	POM	POM	POM
O-rings	NBR	FPM	NBR	FPM
Tmin /Tmax	-10°C / 100°C	-10°C / 100°C	-10°C / 100°C	-10°C / 100°C

GENERAL DIMENSIONS

Type	LW	L	l	D	H	c	V	K	SW	H_1	H_2	Lever
KH-DN15	15	75	35	88	88	31	13	160	12	-	132	Al
KH-DN20	20	80	35	98	100	36,5	14	200	14	103	-	Zn
KH-DN25	25	88	38	118	113	39,5	14	200	14	116	-	Zn
KH-DN32	32	100	50	145	158	68	17	320	17	167	-	Al
KH-DN40	38	110	55	165	178	78	17	320	17	187	-	Al
KH-DN50	48	116	58	198	210	94	17	320	17	219	-	Al
KH-DN65	63	170	75	218	275	100	20	600	16	-	-	St[(1)]
KH-DN80 (PN100)	76	170	70	248	307	111	26	600	19	-	-	St[(1)]
KH-DN80 (PN160/420)	76	170	79	258	315	114,5	26	600	19	-	-	St[(1)]

Please note the pressure ratings of the connection flanges!

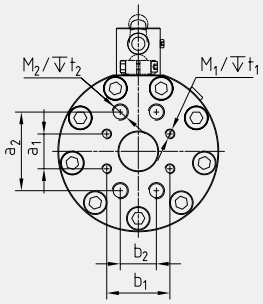
[(1)] Lever must be fixed centrally during operation. In case of vibration the handle may otherwise operate the valve by itself.

Flange ball valve with SAE connection metric / UNC Steel

KH-SAE

CONNECTION TYPE

ISO 6162-1 and -2 (double flange pattern)



DIMENSIONS

Type	a_1	b_1	M_1	t_1	a_2	b_2	M_2	t_2	Weight [Kg]
KH-DN15-SAE210/420	17,5	38,1	M8	18	40,5	18,2	M8	18	2,96
KH-DN20-SAE210/420	22,2	47,6	M10	18	50,8	23,8	M10	18	4,20
KH-DN25-SAE210/420	27,8	57,2	M12	20	52,4	26,2	M10	20	6,00
KH-DN32-SAE210/420[2]	30,2	58,7	M12	20	66,7	31,8	M14	22	11,65
KH-DN32-SAE210/420	30,2	58,7	M10	20	66,7	31,8	M12	22	11,70
KH-DN40-SAE210/420	35,7	69,9	M12	21	79,4	36,5	M16	27	17,10
KH-DN50-SAE210/420	42,9	77,8	M12	20	96,8	44,5	M20	28	24,60
KH-DN65-SAE210/420	58,7	123,8	M24	41	88,9	50,8	M12	19	44,40
KH-DN80-SAE210/420	71,4	152,4	M30	47	106,4	61,9	M16	24	54,90
KH-DN80-SAE210/420	71,4	152,4	M30	47	106,4	61,9	M16	24	60,40
KH-DN15-SAE210/420	17,5	38,1	5/16“UNC	18	40,5	18,2	5/16“UNC	18	2,96
KH-DN20-SAE210/420	22,2	47,6	3/8“UNC	18	50,8	23,8	3/8“UNC	18	4,20
KH-DN25-SAE210/420	27,8	57,2	7/16“UNC	20	52,4	26,2	3/8“UNC	20	6,00
KH-DN32-SAE210/420	30,2	58,7	7/16“UNC	22	66,7	31,8	1/2“UNC	22	11,70
KH-DN40-SAE210/420	35,7	69,9	1/2“UNC	20	79,4	36,5	5/8“UNC	24	17,10
KH-DN50-SAE210/420	42,9	77,8	1/2“UNC	20	96,8	44,5	3/4“UNC	28	24,60

ORDER CODE PER MATERIAL COMBINATION

PN [bar]	212A (282A)	2128 (2828)
350/420	44655*	45545*
350/420	44804*	45546*
320/420	44632*	45547*
210/420	45548*	45549*
280/420	44826*	45550*
210/420	45212*	45551*
210/420	44710*	21845*
175/420	41440	46204
100	46376	46205
160/420	58191	58107
350/420	46206	25414
350/420	46207	46212
320/420	46208	46213
280/420	46209	46214
210/420	46210	46215
210/420	46211	46216

[2] This version is not to be used for new designs.

*Article usually in stock.

We stamp the valves with the flange pressure rating in accordance with ISO 6162-1/2 as stated above. Nevertheless the valve is suitable for usage up to 210/420 bar if higher-rated flanges are used.

BYPASS OPTION



When larger ball valves have to be activated at full differential pressure, a smaller ball valve can be used before activation in order to equalize the pressure.
We combine the bypass within the flange valve body to provide less leakage points compared to a piped solution.

- Both main and bypass valve can be offered with locking device or any other accessory like limit switches or actuators.
- Bypass is a standard manifold mounting PKH valve which can be easily maintained or replaced
- Bypass manifold mounting valve provides bubble tight shut off.