

SWING CHECK VALVE TYPE KSA160

CHARACTERISTIC:

Diameter	-	50 -500 mm;
Pressure	-	160 bar;
Temperature	-	up to 250°C for acids, bases and other aggressive media; up to 550°C for non-toxic media;
Medium	-	acids, liquors, water, steam and other non-toxic and non aggressive media, engine fuel and sea water

VERSIONS:

type body material / others

Example: KSA160 / ---

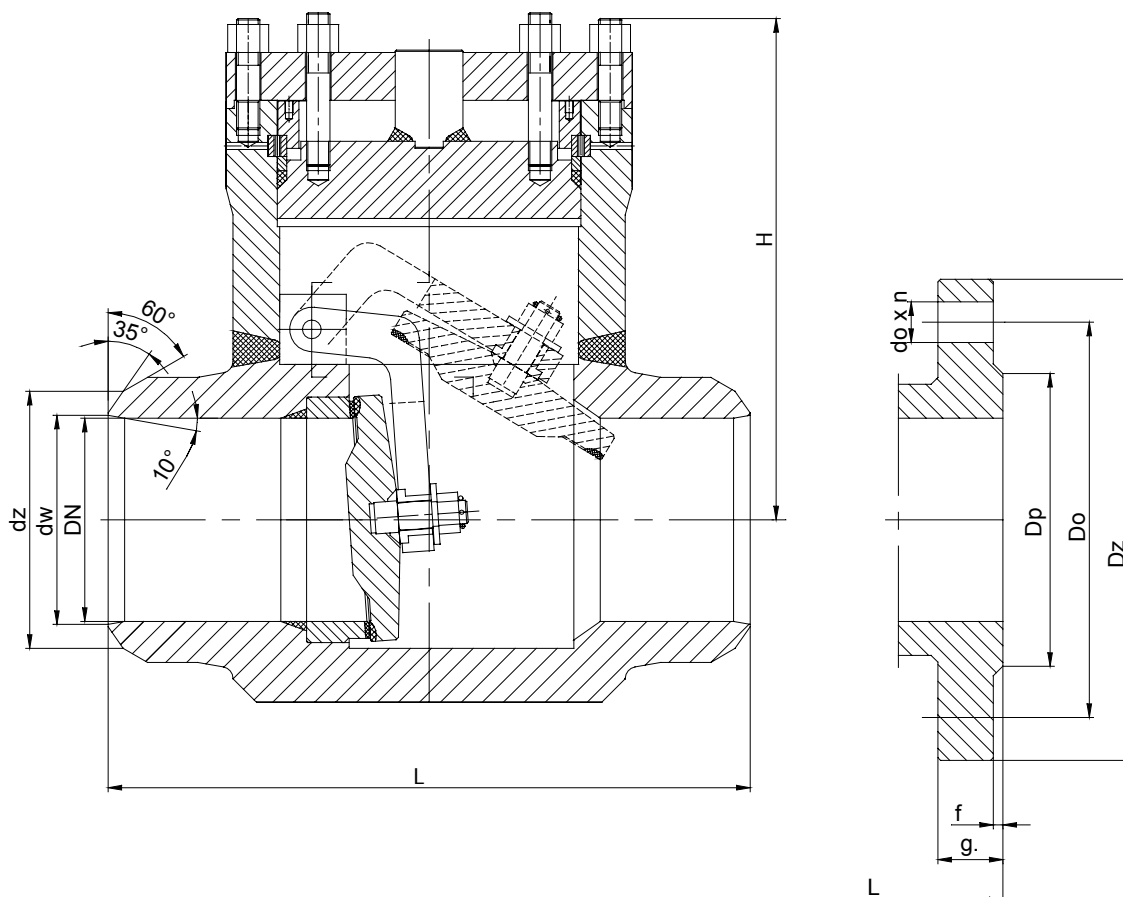
Example: KSB160 / ---

Type Body material	Sign
X6CrNiTi18-10 (1.4541)	KSA
X2CrNiMo17-12-2 (1.4404)	KSB

Others	Sign
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APPLICATION:

The swing check valves are designed to keep pipeline safe from returning the medium. Swing check valve can be mounted to a pipe-line in horizontal position. The direction of flow should only comply with the arrow marked on the body.



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MATERIALS:

Versions	KSA160	KSB160
Parts		
Body, bonnet	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Seat ring	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Disc ring	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Packing rings	PTFE , Grafit	
Wheel	-	

Special materials on request; modifications reserved.

DIMENSIONS:

DN	dz	dw	L	H	Weight	„KKA”								
						Dz	Dp	Do	do	n	L	g.	f	Weight
50	62	52,5	300	220	20,00	195	102	145	30	4	300	30	3	30,80
65	77	65	360	240	26,00	220	122	170	26	8	360	34	3	41,10
80	91	76,5	390	255	75,00	230	138	180	26	8	390	36	3	88,30
100	117	98,5	450	280	110,00	265	162	210	30	8	450	40	3	136,40
125	144	120,5	525	314	170,00	315	188	250	33	8	525	44	3	200,10
150	172	144,5	600	365	200,00	355	218	290	33	12	600	50	3	249,90
200	223	189	750	485	505,00	430	285	360	36	12	750	60	3	582,00
250	278	242,5	900	590	870,00	515	345	430	42	12	900	68	3	970,60
300	329	285,5	1050	700	1320,00	585	410	500	42	16	1050	78	4	1466,00
350	413	358,5	1200	855	1500,00	By customers acceptance								
400	464	408,5	1400	950	1700,00	By customers acceptance								
450	-	-	1550	1020	1950,00	By customers acceptance								
500	571	500,5	1750	-	-	By customers acceptance								

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

Body material	Medium	PN	Maximal working pressure at working temperature															
			20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	480°C	500°C	510°C	520°C	530°C	540°C	550°C
bar																		
X6CrNiTi18-10 (1.4541)	aggressive media	160	160,0	158,4	149,3	141,7	134,8	-	-	-	-	-	-	-	-	-	-	-
X2CrNiMo17-12-2 (1.4404)		160	160,0	151,6	137,9	127,2	119,6	-	-	-	-	-	-	-	-	-	-	-
X6CrNiTi18-10 (1.4541)	non aggressive media	160	160,0	158,4	149,3	141,7	134,8	127,2	122,6	118,8	116,1	114,8	113,5	112,0	111,2	110,0	108,8	108,1
X2CrNiMo17-12-2 (1.4404)		160	160,0	151,6	137,9	127,2	119,6	110,4	105,9	102,8	100,1	99,0	97,5	97,5	97,5	97,1	97,1	97,1

MOUNTING AND OPERATING:

The gate can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the gate may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a gate is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the gate. Gate can be mounted to a pipe-line in any position. The direction of the flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide gate's reliability the following suggestions must be observed:

- medium flowing through the gate is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.