

# SWING CHECK VALVE TYPE KZS320

## CHARACTERISTIC:

Diameter	-	50 -500 mm;
Pressure	-	320 bar;
Temperature	-	do 670°C;
Medium	-	water, steam and other non-toxic, non aggressive media.

## VERSIONS:

type / body material / others

Example: KZS320 / --- / --- / ---

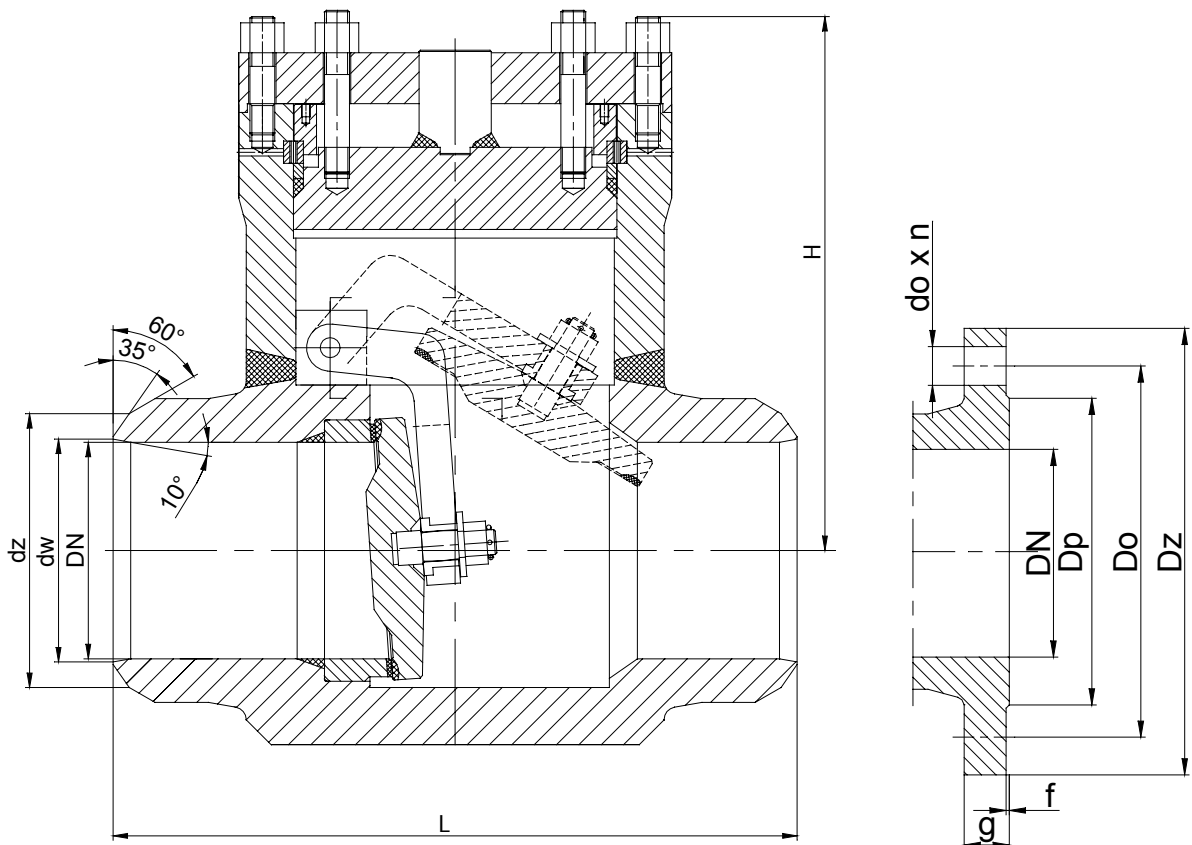
Example: KZS320 / A / --- / ---

Body material	Sign
(P250GH) C 22.8	---
16Mo3	U
13CrMo4-5	A
10CrMo9-10	B
14MoV6-3	C
X10CrMoVNb9-1	E

Others	Sign

## APPLICATIONS:

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.



# WK



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## MATERIALS:

Versions	Standard	U	A	B	C	E
Parts	T <sub>MAX</sub> 450°C	T <sub>MAX</sub> 530°C	T <sub>MAX</sub> 560°C	T <sub>MAX</sub> 600°C	T <sub>MAX</sub> 570°C	T <sub>MAX</sub> 670°C
Body	(P250GH) C22.8 (1.0460)	16Mo3 (1.5415)	13CrMo4-5 (1.7335)	10CrMo9-10 (1.7380)	14MoV6-3 (1.7715)	X10CrMoVNB9-1 (1.4903)
Bonnet						
Disc						
Seat ring	Stellit					
Disc ring	G 18 8 Mn (1.4370)					
Gasket	Grafit					

Special materials on request; modifications reserved.

## DIMENSIONS:

.DN	Dz	Dw	L	H	Weight	Flanged "KZK"								
						Dz	Dp	Do	do	n	L	g.	f	Weight
50	77	59,5	350	220	37,3	210	102	160	26	8	350	42	3	65,00
65	91	68	400	240	49,7	255	122	200	30	8	425	51	3	77,00
80	117	87,5	450	255	106,8	275	138	220	30	8	470	55	3	134,00
100	144	109,5	520	280	165,0	335	162	265	36	8	550	65	3	187,00
125	172	130,5	600	314	242,1	380	188	310	36	12	650	75	3	270,00
150	201	151,5	700	365	302,4	425	218	350	39	12	750	84	3	319,00
175	-	-	700	425	512,5	By customers acceptance								
200	252	191,5	800	485	704,2	525	285	440	42	16	950	103	3	737,00
250	329	255,5	900	590	1174,5	640	345	540	52	16	1150	125	3	1210,00
300	362	287	1050	700	1773,9	By customers acceptance								
350	413	321	1350	585	1950,0	By customers acceptance								
400	516	403,5	1500	690	-	By customers acceptance								
450	-	-	1750	800	-	By customers acceptance								
500	619	495,5	1850	1050	-	By customers acceptance								

Dimensions in mm; modifications reserved

## TECHNICAL DATA:

Body material	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	520°C	530°C	540°C	560°C	570°C	600°C
(P250GH)C 22.8 (1.0460)	320	320,00	297,10	281,90	266,60	243,80	220,90	205,70	190,40	105,10								-
16Mo3 (1.5415)	320	320,00	320,00	320,00	320,00	312,30	274,20	259,00	243,80	236,10	179,50	141,70	89,90	71,60				-
13CrMo4-5 (1.7335)	320	320,00	320,00	320,00	320,00	320,00	318,40	304,70	289,50	274,20	234,90	208,70	143,20	118,80	92,90	60,90	50,20	-
14MoV6-3 (1.7715)	320	320,00	320,00	320,00	320,00	320,00	320,00	320,00	318,50	309,30	307,00	294,10	227,00	199,60	172,20	131,00	111,20	-
10CrMo9-10 (1.7380)	320	320,00	320,00	320,00	320,00	320,00	320,00	312,30	297,10	281,90	236,10	205,70	156,90	137,10	118,80	88,30	77,70	51,8

## MOUNTING AND OPERATING:

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

Before a swing check valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of flow must be checked with the parameters of valve. Swing check valve can be mounted to a pipe-line in horizontal 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 valve's reliability the following suggestions must be observed:

- medium flowing through the valve 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.