

SWING CHECK VALVE TYPE KZS250 ; KZK250

CHARACTERISTIC:

Diameter	-	50 -500 mm;
Pressure	-	250 bar;
Temperature	-	up to 670°C;
Medium	-	water, steam and other non-toxic, non aggressive media.

VERSIONS:

type / body material / others

Example: KZS250 / --- / --- / ---

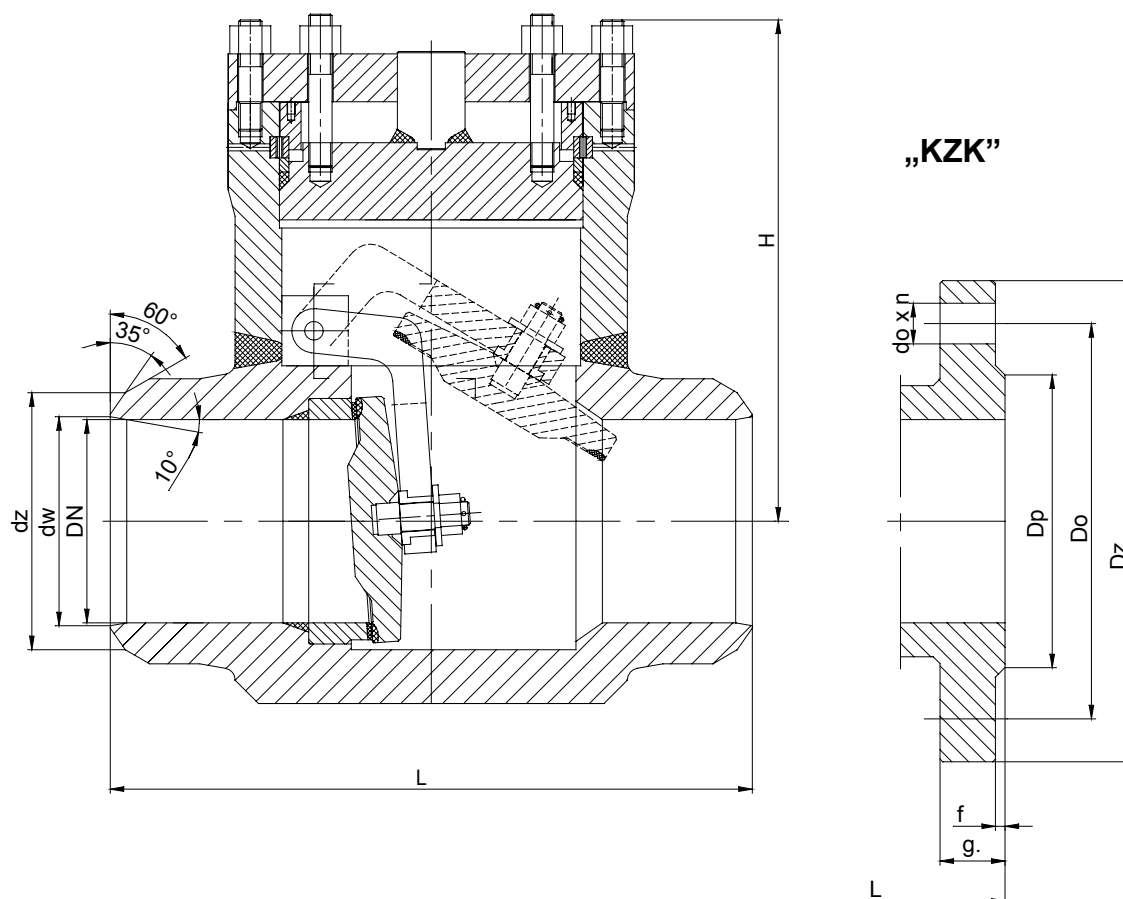
Example: KZK250 / A / --- / ---

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.



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MATERIALS:

Versions	Standard	U	A	B	C	E
Parts	T _{MAX} 450°C	T _{MAX} 530°C	T _{MAX} 560°C	T _{MAX} 600°C	T _{MAX} 570°C	T _{MAX} 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	„KZK”								
						Dz	Dp	Do	do	n	L	g.	f	Weight
50	62	45	350	220	22,0	200	102	150	26	8	350	42	3	33,9
65	77	59,5	400	240	28,6	230	122	180	26	8	400	51	3	45,2
80	117	93	450	255	82,5	255	138	200	30	8	450	55	3	97,1
100	144	116,5	520	280	121,0	300	162	235	33	8	520	65	3	150,0
125	172	138,5	600	314	187,0	340	188	275	33	12	600	75	3	220,1
150	182	144,5	700	365	220,0	390	218	320	36	12	700	84	3	274,9
200	223	182	800	485	555,5	485	285	400	42	12	800	103	3	640,2
250	278	226,5	900	590	957,0	585	345	490	48	16	900	125	3	1067,7
300	329	271,5	1050	700	1452,0	690	410	590	52	16	1050	150	4	1612,6
350	413	339	1200	860	-	By customers acceptance								
400	464	382	1400	920	-	By customers acceptance								
450	-	-	1550	980	-	By customers acceptance								
500	571	474,5	1750	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
	bar																	
(P250GH)C 22.8 (1.0460)	250	250,0	232,1	220,2	208,3	190,4	172,6	160,7	148,8	82,1	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	250	250,0	250,0	250,0	250,0	244,0	214,2	202,3	190,4	184,5	140,2	110,7	70,2	55,9	-	-	-	-
13CrMo4-5 (1.7335)	250	250,0	250,0	250,0	250,0	250,0	248,8	238,0	226,1	214,2	183,5	163,0	111,9	92,8	72,6	47,6	39,2	-
14MoV6-3 (1.7715)	250	250,0	250,0	250,0	250,0	250,0	250,0	250,0	248,8	241,7	239,9	229,8	177,4	156,0	134,5	102,4	86,9	-
10CrMo9-10 (1.7380)	250	250,0	250,0	250,0	250,0	250,0	250,0	244,0	232,1	220,2	184,5	160,7	122,6	107,1	92,8	69,0	60,7	40,4

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.