

CHECK VALVE ACID-PROOF TYPE ZZA320

CHARACTERISTIC:

Diameter	-	15 -125 mm;
Pressure	-	320 bar
Temperature	-	up to 250°C for acids, bases and other aggressive media;
	-	up to 560°C for non-toxic media; (with PTFE sealing up to 200°C);
Medium	-	acids, liquors, water, steam and other non-toxic and non aggressive liquid and gas media, engine fuel.

VERSIONS:

type - body material / ends / disc and disc ring / others

Example: ZZA320 / --- / --- / ---

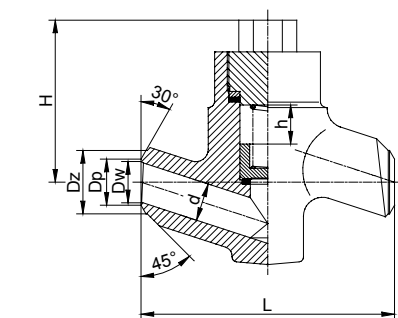
Example: ZZB320 / S / P / ---

Type - body material	Sign	Ends	Sign	Disc and disc ring	Sign	Others	Sign
X6CrNi18-10 or GX5CrNi19-10	ZZA320	Standard - flanged	---	Standard	---	-----	---
X2CrNiMo17-12-2 or GX5CrNiMo19-11-2	ZZB320	Butt weld ends	S	PTFE ring	P		
		Socket weld	SW	NBR ring	N		
		Threaded	G				

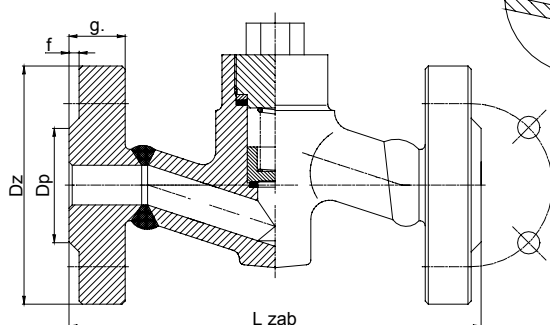
APPLICATION:

The check valves are designed to keep pipeline safe from returning the medium.

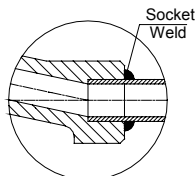
DN 15 ÷ 25



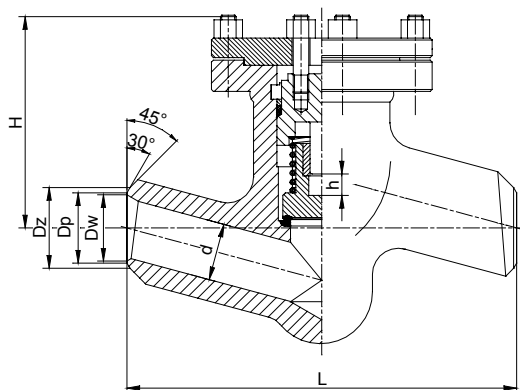
"K"



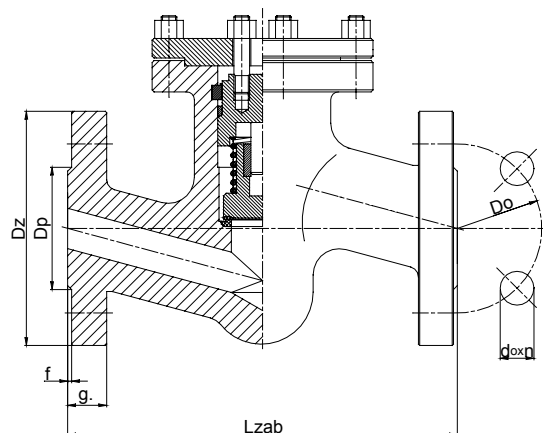
"SW"



DN 32 ÷ 125



"K"



WK

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MATERIALS:

Versions	ZZA320	ZZB320	ZZA320	ZZB320
Parts	DN 15 - 50		DN 65 - 125	
Body, bonnet	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)	GX5CrNi19-10 (1.4308)	GX5CrNiMo19-11-2 (1.4408)
Disc	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Spring	X6CrNiTi18-10 (1.4541)			
Gasket	Grafit			

Special materials on request; modifications reserved.

DIMENSIONS:

Standard – butt weld ends						H	h	Flanged - "K"									
DN	d	Dz	Dw	L	Weight			DN	Dz	Dp	Do	do	n	L _{zab}	g.	f	Weight
15	14	22	15	160	4,00	235	15	15	130	45	90	18	4	230	26	2	8,70
20	20	28	19	160	4,00	240	15	20	150	58	105	22	4	260	30	2	11,30
25	24	35	24	160	4,00	240	15	25	160	68	115	22	4	260	34	2	13,30
32	30	44	31,5	300	15,00	365	27	32	-	-	-	-	-	300	-	-	-
40	38	50	36	300	15,00	365	27	40	195	88	145	26	4	300	38	3	30,20
50	44	77	59,5	300	15,00	365	27	50	210	102	160	26	8	350	42	3	32,00
65	62	91	68	340	26,50	450	30	65	255	122	200	30	8	400	51	3	57,80
80	76	117	87,5	380	55,50	580	40	80	275	138	220	30	8	450	55	3	93,00
100	92	144	109,5	430	71,00	620	55	100	335	162	265	36	8	520	65	3	138,50
125	112	172	130,5	500	91,00	670	65	125	380	188	310	36	12	600	75	3	186,90

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

Body material	Medium	PN	Nominal 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	320	320	317	299	283	270	-	-	-	-	-	-	-	-	-	-	-
GX5CrNi19-10 (1.4308)		320	305	244	217	190	179	-	-	-	-	-	-	-	-	-	-	-
X6CrNiTi18-10 (1.4541)	Non Aggressive media	320	320	317	299	283	270	254	245	238	232	230	227	226	226	225	224	216
GX5CrNi19-10 (1.4308)		320	305	244	217	190	179	168	156	145	133	128	122	-	-	-	-	-
X2CrNiMo17-12-2 (1.4404)	Non Aggressive media	320	320	320	312	297	293	-	-	-	-	-	-	-	-	-	-	-
GX5CrNiMo19-11-2 (1.4408)		320	320	259	232	205	190	-	-	-	-	-	-	-	-	-	-	-
X2CrNiMo17-12-2 (1.4404)	Non Aggressive media	320	320	320	312	297	293	276	265	257	250	247	244	243	243	242	242	242
GX5CrNiMo19-11-2 (1.4408)		320	320	259	232	205	190	175	167	160	155	154	153	-	-	-	-	-

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 valve 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 valve. Check valve can be mounted to a pipe-line in any position. The direction of 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.