

CHECK VALVE TYPE 482

CHARACTERISTIC:

Diameter	-	15 -125 mm;
Pressure	-	320 bar;
Temperature	-	up to 670°C;
Medium	-	water, steam and other non-toxic, non aggressive liquid and gas media.

VERSIONS:

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

Example: 482 / --- / --- / --- / ---

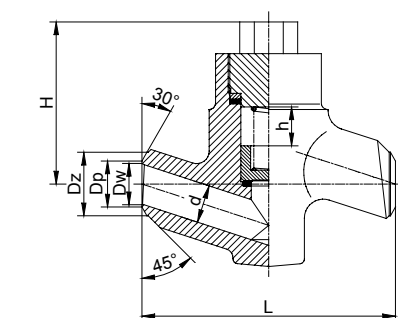
Example: 482 / K / U / --- / ---

Ends	Sign	Body material	Sign	Disc and disc ring	Sign	Others	Sign
Standard-butt weld ends	---	(P250GH) C 22.8	---	Standard	---	-----	---
Socket weld	SW	16Mo3	U	Stellite ring	L		
Flange by DIN or ANSI,	K	13CrMo4-5	A				
		11CrMo9-10	B				
		14MoV6-3	C				
		X10CrMoVNb9-1	E				

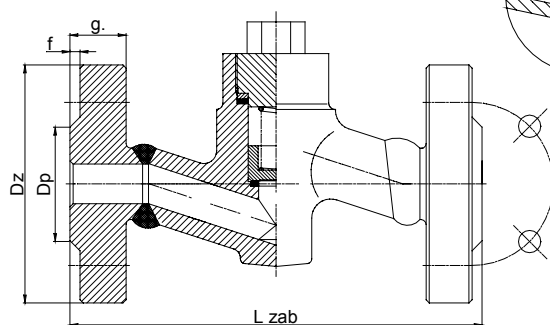
APPLICATION:

The check valve is designed to keep pipeline safe from returning the medium.

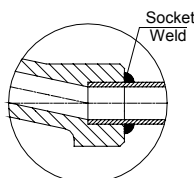
DN 15 ÷ 25



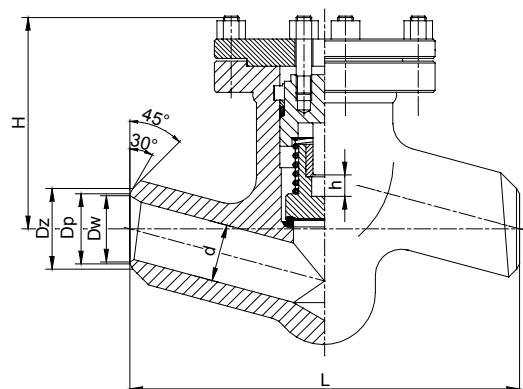
"K"



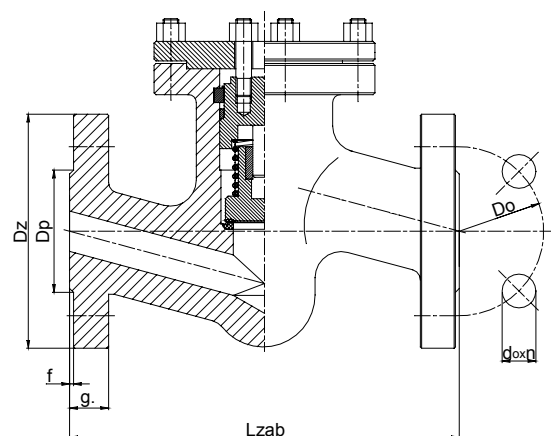
"SW"



DN 32 ÷ 125



"K"



WK



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MATERIALS:

Versions	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} 570°C
Body, bonnet	(P250GH) C22.8 (1.0460)	16Mo3 (1.5415)	13CrMo4-5 (1.7335)	11CrMo9-10 (1.7383)	14MoV6-3 (1.7715)	X10CrMoVNb9-1 (1.4903)
Seat ring	BT9 or G 18 8 Mn (1.4370) or Stellite					
Disc	X20Cr13 (1.4021) , P245GH (1.0352)					X10CrMoVNb9-1
Disc ring	G 18 8 Mn (1.4370) or Stellite					
Spring	51CrV4 (1.2241)					
Gasket	Grafite + austenite					
Bonnet DN > 32	P265GH (1.0425)					

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	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)	320	320,0	320,0	320,0	320,0	320,0	358,0	310,0	262,0	165,0	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	320	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	222,0	176,0	141,0	112,0	-	-	-	-
13CrMo4-5 (1.7335)	320	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	276,0	224,0	186,0	146,0	95,0	79,0	-
14MoV6-3 (1.7715)	320	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	312,0	269,0	205,0	174,0	-
11CrMo9-10 (1.7383)	320	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	320,0	246,0	215,0	186,0	138,0	122,0	81,0

Body material	PN	Maximal working pressure at working temperature																
		20°C	530°C	540°C	550°C	560°C	570°C	580°C	590°C	600°C	610°C	620°C	630°C	640°C	650°C	660°C	670°C	
	bar																	
X10CrMoVNb9-1 (1.4903)	320	320,0	320,0	320,0	320,0	320,0	319,0	286,0	253,0	224,0	198,0	174,0	155,0	134,0	117,0	100,0	86,0	

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. Stop globe 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.