

STOP GLOBE VALVE TYPE 649

CHARACTERISTIC:

Diameter	-	10 -100 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 / drive type

Example: 649 / --- / --- / --- / ---

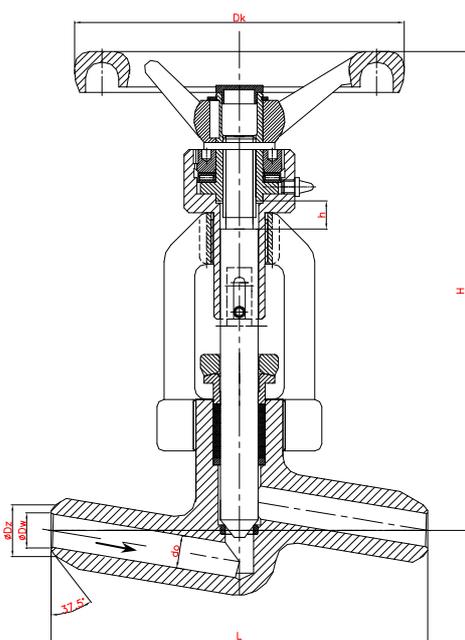
Example: 649 / K / U / X / ---

Ends	Sign	Body material	Sign	Disc and disc ring	Sign	Other	Sign	Drive type	Sign
Standard-butt weld ends	---	(P250GH) C 22.8	---	Standard stellite	---	Standard	---	Hand wheel	---
Socket weld	SW	16Mo3	U			Position indicator	X	AUMA drive	NA
Flange by DIN or ANSI, or Threaded	K	13CrMo4-5	A					NWA drive	NW
		11CrMo9-10	B					MODACT drive	NM
		14MoV6-3	C					Hand wheel	NP
		X10CrMoVNB9-1	E						

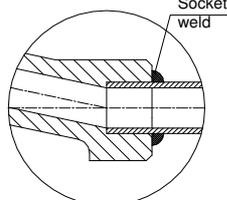
APPLICATION:

Stop globe valve (**649**) is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version (**674**) with throttling plug should be applied.

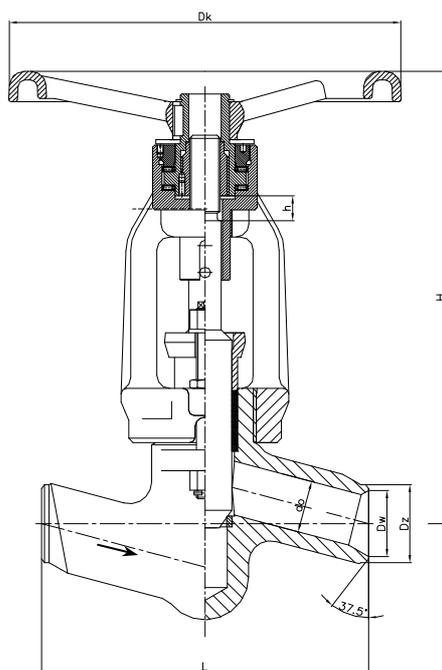
DN 10 ÷ 15



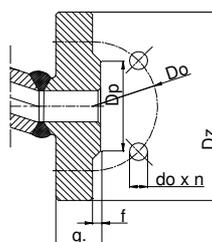
"SW"



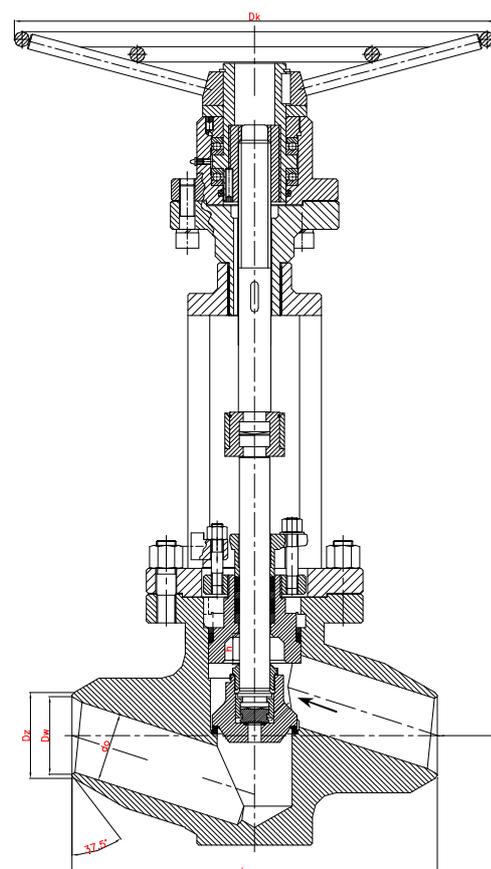
DN 20 ÷ 50



"K"



DN 65 ÷ 100



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} 670°C
Body	(P250GH) C22.8 (1.0460)	16Mo3 (1.5415)	13CrMo4-5 (1.7335)	11CrMo9-10 (1.7383)	14MoV6-3 (1.7715)	X10CrMoVNb9-1 (1.4903)
Bonnet	DN 15-25 13CrMo4-5 (1.7335)		DN 32-100 G17CrMo5-5 (1.7357)			11CrMo9-10 (1.7383))
Stem DN 15-50	X39CrNi17-1 (1.4122)+Stellit		X22CrMoV12-1 (1.4923)+Stellit			X8CrNiMoBNb1616 (1.4986)+Stellit
Disc DN 65-100	11CrMo9-10 (1.7383)+Stellit	11CrMo9-10 (1.7383)+Stellit	11CrMo9-10 (1.7383)+Stellit	11CrMo9-10 (1.7383)+Stellit	11CrMo9-10 (1.7383)+Stellit	X10CrMoVNb9-1 (1.4903)+Stellit
Seat ring	Stellit					Stellit
Upper stem	X17CrNi16-2 (1.4057), X39CrNi17-1 (1.4122)					X39CrNi17-1 (1.4122)
Wheel	Cast iron					Cast iron

Special materials on request; modifications reserved.

DIMENSIONS:

Standard – butt weld ends						H	h	Dk
DN	d	Dz	Dw	L	Weight			
10	10	20	12	160	2,90	205	12	140
15	14	22	15					
20	20	28	19					
25	24	35	24	300	29,50	418	19	200
32	30	44	31,5					
40	38	50	36					
50	44	77	59,5	340	41,00	714	45	500
65	62	91	68					
80	76	117	87,5					
100	92	144	109,5	430	125,00	720	50	500

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	500°C	520°C	530°C	540°C	560°C	570°C	600°C		
(P250GH)C 22.8 (1.0460)	320	320,0	320,0	320,0	320,0	320,0	320,0	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	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	
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.