STOP GLOBE VALVE WITH REGULATING DISC
TYPE 684

CHARACTERISTIC:

Diameter	-	15 -100 mm;
Pressure	-	400 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: 684 / --- / --- / --- / ---

Example: 684 / SW / U / L / ---

Ends	Sign
Standard-butt weld ends	---
Socket weld	SW

Body material	Sign
(P250GH) C 22.8	---
16Mo3	U
13CrMo4-5	A
11CrMo9-10	B
14MoV6-3	C
X10CrMoVNb9-1	E

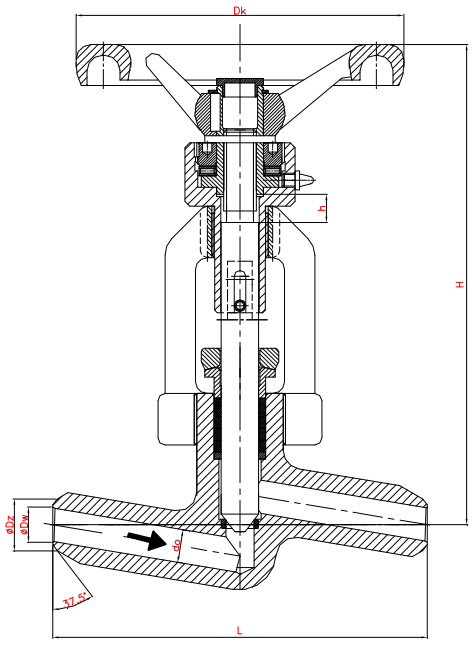
Disc and disc ring	Sign
Standard	---
Stellit ring	L

Drive type	Sign
Hand wheel	---
AUMA drive	NA
NWA drive	NW
MODACT drive	NM
Pneumatic drive	NP

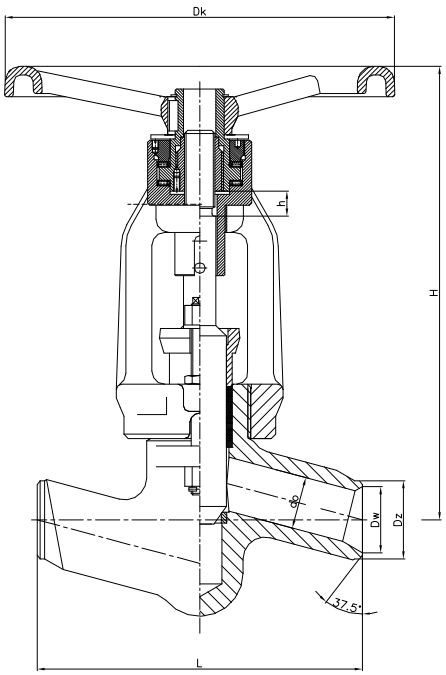
APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is supposed to be used as a regulating device.

DN 10 ÷ 15

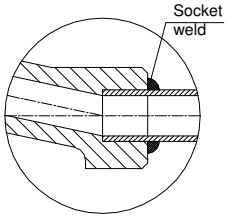


DN 20 ÷ 50

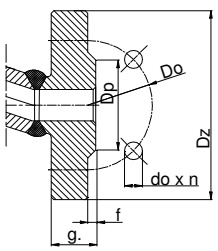


DN 65 ÷ 100

"SW"



"K"



LRQA CERTIFIED ISO 9001

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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)	X10CrMoVNb9-10 (1.4903)
Bonnet	**DN 15-25** 13CrMo4-5 (1.7335)			**DN 32-100** G17CrMo5-5 (1.7357)		11CrMo9-10 (1.7383)
Stem DN 15-65	X39CrNi17-1 (1.4122), X22CrMoV12-1 (1.4923)					
Disc DN 80-100	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	11CrMo9-10 (1.7383)	X10CrMoVNb9-10 (1.4903)
Seat ring	BT9 or Stellit					
Upper stem	X17CrNi16-2 (1.4057), X39CrNi17-1 (1.4122)					
Wheel	Cast iron					

Special materials on request; modifications reserved.

DIMENSIONS:

Standard – Butt weld ends						H	h	Dk	Flanged „K"							
DN	**d**	**Dz**	**Dw**	**L**	**Weight**				**Dz**	**Dp**	**Do**	**do**	**n**	**L**	**g**	**f**
10	10	20	10	150	3,20	205	12	200	-	-	-	-	-	-	-	-
15	14	28	17						145	45	100	22	4	240	30	2
20	20	35	21,5	160	7,50	266	19	200	-	-				260		
25	24	44	29						180	68	130	26	4	260	38	2
32	30	50	33	300	30,50	418	23	500	-	-				300		
40	38	62	40						220	88	165	30	4	300	48	3
50	44	77	49,5						235	102	180	30	8	350	52	3
65	62	91	62	340	42,50	714	45	GNR 700	290	122	225	33	8	400	64	3
80	76	117	81	380	85,00	637	36	GNR 500	305	138	240	33	8	450	68	3
100	92	144	102	430	127,00	720	50	GNR 500	370	162	295	39	8	520	80	3

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)	**400**	400,0	400,0	400,0	400,0	400,0	358,0	310,0	262,0	165,0	-	-	-	-	-	-	-	-
16Mo3 (1.5415)	**400**	400,0	400,0	400,0	400,0	400,0	400,0	400,0	382,0	369,0	222,0	176,0	141,0	112,0	-	-	-	-
13CrMo4-5 (1,7335)	**400**	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	327,0	276,0	224,0	186,0	146,0	95,0	79,0	-
14MoV6-3 (1.7715)	**400**	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	355,0	312,0	269,0	205,0	174,0	-
11CrMo9-10 (1.7383)	**400**	400,0	400,0	400,0	400,0	400,0	400,0	400,0	400,0	393,0	379,0	322,0	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)	**400**	400,0	400,0	400,0	396,0	358,0	319,0	286,0	253,0	224,0	198,0	174,0	155,0	134,0	117,0	100,0	86,0
X10CrWMoVNb 9-2 (1.4901)	**400**	400,0	400,0	400,0	400,0	400,0	390,6	353,3	315,9	281,4	248,8	216,5	186,6	161,7	139,3	-	-

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.