

STOP GLOBE VALVE ACID-PROOF WITH BELLOWS TYPE ZMA100

CHARACTERISTIC:

- Diameter - 10 -200 mm;
- Pressure - 100 bar;
- Temperature - up to 250°C for acids, bases and other aggressive media;
- up to 550°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 rings / others

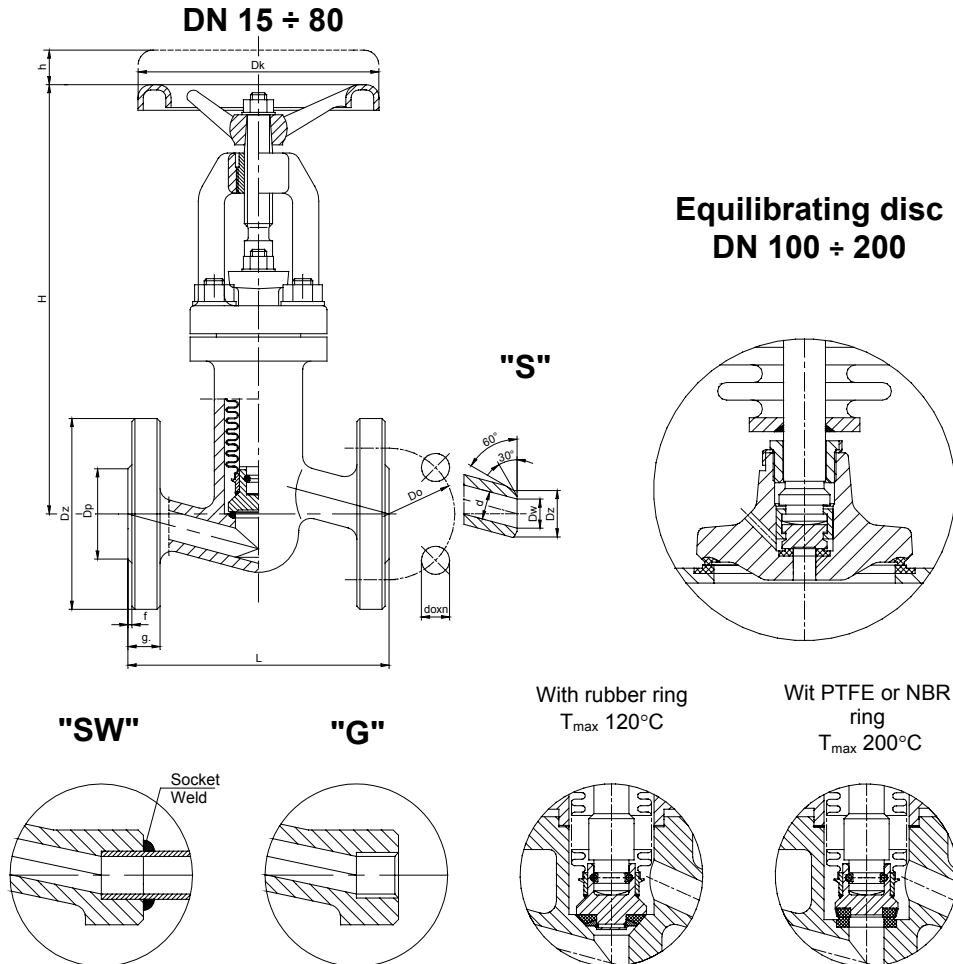
Example: ZMA100 / --- / --- / ---

Example: ZMA100 / S / P / ---

Type - body material	Sign	Ends	Sign	Disc and disc rings	Sign	Others	Sign
X6CrNi18-10 or GX5CrNi19-10	ZMA100	Standard - flanged	---	Standard	---	-----	---
		Butt weld ends	S	PTFE ring	P		
		Socket weld	SW	NBR ring	N		
X2CrNiMo17-12-2 or GX5CrNiMo19-11-2	ZMB100	Ring joint	J	Rubber ring	G		
		Threaded	G				

APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version „R” with throttling plug should be applied.



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MATERIALS:

Versions	ZMA100	ZMB100	ZMA100	ZMB100
Parts	DN 15 - 50		DN 65 - 200	
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)
Stem	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)	X6CrNiTi18-10 (1.4541)	X2CrNiMo17-12-2 (1.4404)
Bellows	X6CrNiTi18-10 (1.4541)			
Gasket	Grafit + austenit			
Wheel	Cast iron			

Special materials on request; modifications reserved.

DIMENSIONS:

Standard - flanged														With butt weld ends			
DN	d	Dz	Dp	Do	do	n	L	g.	f	H	h	Dk	Weight	Dz	Dw	L	Weight
15	14	105	45	75	14	4	210	20	2	235	13	120	5,70	22	17	160	3,30
20	19	130	58	90	18	4	230	22	2	285	13	160	10,10	28	22	160	3,30
25	23	140	68	100	18	4	230	24	2	285	13	160	11,10	35	28,5	160	3,30
32	30	155	78	110	22	4	260	24	2	315	16	200	15,40	44	36,5	230	9,70
40	38	170	88	125	22	4	260	28	3	315	18	200	16,10	50	43	230	9,90
50	45	195	102	145	26	4	300	28	3	340	22	250	32,30	62	54	300	21,50
65	62	220	122	170	26	8	340	30	3	415	30	280	48,60	77	69	340	33,50
80	73	230	138	180	26	8	380	32	3	505	40	360	65,90	91	81	380	52,60
100	94	265	162	210	30	8	430	36	3	645	55	360	126,50	117	104	430	100,10
125	120	315	188	250	33	8	500	40	3	720	65	400	175,50	144	130,5	500	145,40
150	144	355	218	290	33	12	550	44	3	795	70	500	260,00	172	156,5	550	210,10
200	195	430	285	360	36	12	650	52	3	1155	100	600	302,00	223	204,5	650	225,00

Dimensions in mm; modifications reserved.

TECHNICAL DATA:

Body material	Medium	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	510°C	520°C	530°C	540°C	550°C	
			bar																
X6CrNiTi18-10 (1.4541)	aggressive media	100	100,0	99,0	93,3	88,5	84,2	-	-	-	-	-	-	-	-	-	-	-	
GX5CrNi19-10 (1.4308)		100	100,0	90,9	81,9	74,7	69,0	-	-	-	-	-	-	-	-	-	-	-	-
X6CrNiTi18-10 (1.4541)	non aggressive media	100	100,0	99,0	93,3	88,5	84,2	79,5	76,6	74,2	72,6	71,5	70,9	70,0	69,5	68,7	68,0	67,6	
GX5CrNi19-10 (1.4308)		100	100,0	88,1	76,2	67,9	59,5	55,9	52,4	48,8	45,2	41,6	38,1	-	-	-	-	-	

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.