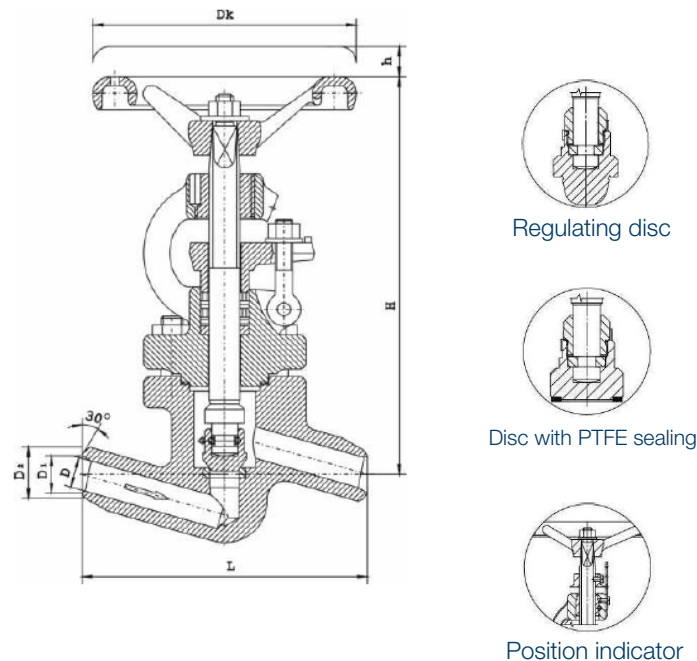


GLOBE VALVES

With butt welding ends in straight form

Model 450S, 450AS for stainless steel

(DN15-25), 450SR with regulating disc, DN15-50, PN 40, 4,0 MPa, max 450 °C



PARTS

Part	Material	
	450S	450AS
Body DN15-25 DN32-50	P250GH P250GH	X6CrNiTi18-10 GX5CrNiMo19-11-2
Body seat DN15-25 DN32-50	X17CrNi16-2 Cr-Ni 18-8	X6CrNiTi18-20 GX5CrNiMo19-11-2
Bonnet	P250GH	X6CrNiTi18-10
Stem	X30Cr13	X6CrNiTi18-10
Disc seat DN15-25 DN32-50	X30Cr13 X30Cr13	X6CrNiTi17-12-2 X6CrNiTi17-12-2
Packing	Graphite	Graphite

DIMENSIONS AND WEIGHTS

DN	D2	D1	D	L	H	h	Dk	kg
15	22	17	14	130	190	14	120	2,2
20	28	22	20	130	190	14	120	2,8
25	34	28	24	130	190	14	120	3,3
32	43	37	32	160 (180)**	260	10	160	7,2
40	49	43	38	180 (200)**	270	14	160	8,0
50	61	54	48	210 (230)**	270	18	160	12,4

APPLICATION RANGE

Material	Maximum operating pressure at medium temperature (°C)						
	120	200	250	300	350	400	450
P250GH	40	35	32	28	24	21	18
X6CrNiTi18-10	40	36	34	32			
GX5CrNiMo19-11-2	40	26	24				

* for stainless steel valves (A) Tmax for material 1.4541 (X6CrNiTi18-18): -196 °C up to +300 °C (DN 15-25), and for material 1.4408 (GX5CrNiMo19-11-2) up to +250 °C (DN 32-300)

** Rakennemitat PN-EN 12982 mukaan

APPLICATION

Globe valves can be installed in any position on the pipeline, depending on correct flow direction of medium, that should be in accordance with marking on the body. Globe valves are designed to close the medium flow e.g where the medium is dangerous for health and environment. They are also suitable to throttle the medium flow with regulating disc.

MEDIUM

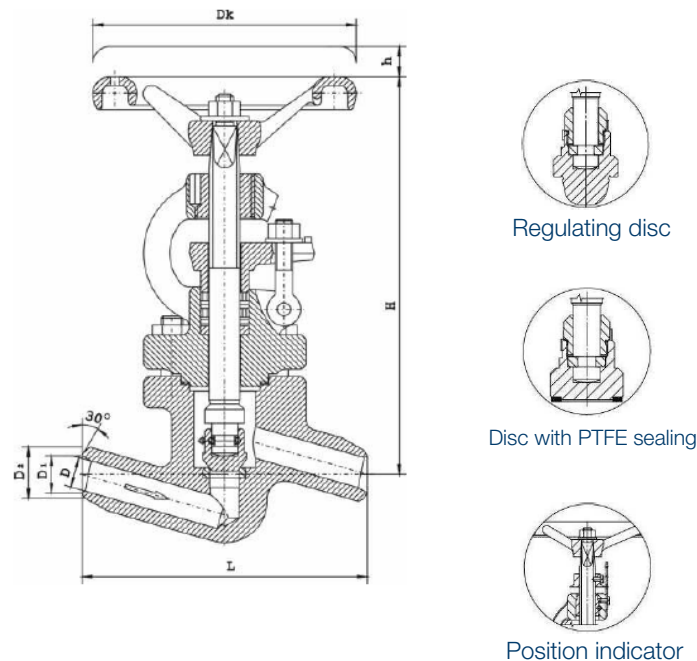
The valves are applicable for water, sea water, steam, oil and other non-aggressive fluids and gases with operating temperature from -10 °C to 450 °C. The 450SWM model is also suitable for aggressive medium like acids, salt solutions etc.

GLOBE VALVES

With butt welding ends in straight form

Model 450S, 450AS for stainless steel

(DN15-25), 450SR with regulating disc, DN15-50, PN 40, 4,0 MPa, max 450 °C



PARTS

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Disc seat DN15-25 DN32-50	X30Cr13 X30Cr13	X6CrNiTi17-12-2 X6CrNiTi17-12-2
Packing	Graphite	Graphite

DIMENSIONS AND WEIGHTS

DN	D2	D1	D	L	H	h	Dk	kg
15	22	17	14	130	235	14	120	2,2
20	28	22	20	150	235	14	120	2,8
25	34	28	24	160	235	14	120	3,3
32	43	37	32	160 (180)**	235	10	160	7,2
40	49	43	38	180 (200)**	275	14	160	8,0
50	61	54	48	210 (230)**	275	18	160	12,4

APPLICATION RANGE

Material	Maximum operating pressure at medium temperature (°C)						
	120	200	250	300	350	400	450
P250GH	40	35	32	28	24	21	18
X6CrNiTi18-10	40	36	34	32			
GX5CrNiMo19-11-2	40	26	24				

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