

High Pressure  
**Globe Valve**

**DN 15 - 50**  
**PN 160 - 500**

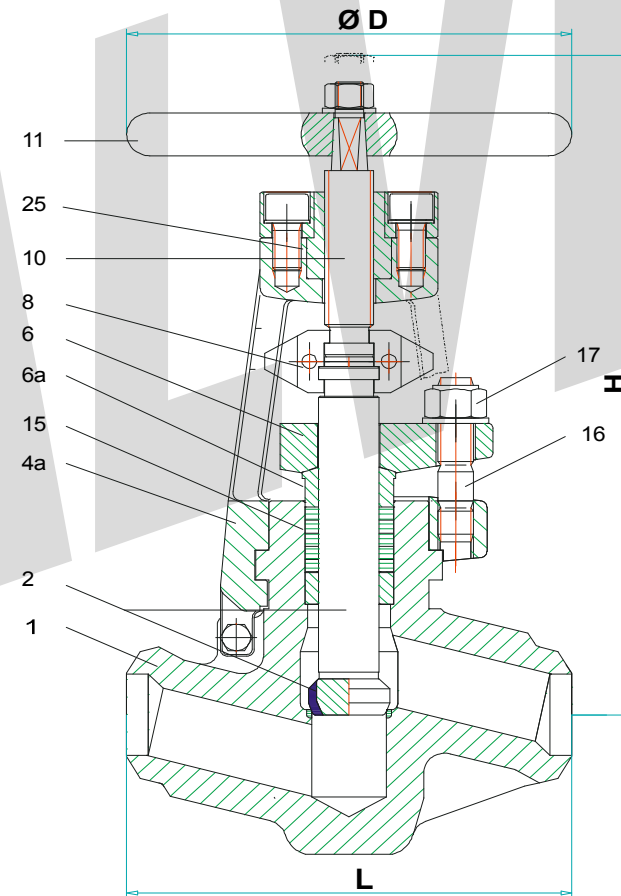
Figure P 21.021 (PN 160)  
Figure P 21.023 (PN 250)  
Figure P 21.025 (PN 400)  
Figure P 21.026 (PN 500)

**Design**

With rotating rising handwheel  
Construction of forged components  
Coverless design  
With Stuffing box non-rotating and coupling stem

**Dimensions (in mm)**

Size DN	15	20	25	32	40	50
<b>BW - L</b>	160	160	160	250	250	250
<b>H</b>	285	285	285	405	405	405
<b>D</b>	200	200	200	315	315	315
<b>Weight ( kg )</b>	7	7	7	27	27	27



**Material**

Item	Part name	Material from -10°C up to 400°C		Material from -10°C up to 520°C		Material from -10°C up to 550°C		Material -10°C up to 580°C	
1	Body Seat faces	P250GH (C22.8) Stellit	1.0460	16Mo3 (15Mo3) Stellit	1.5415	13CrMo4-5 Stellit	1.7335	10CrMo9-10 Stellit	1.7380
2	Disc Seat faces	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922
4a	Yoke	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335
6	Gland flange	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335
6a	Trust piece	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335
8	Coupling	X20CrNi17 2	1.4057	X20CrNi17 2	1.4057	X20CrNi17 2	1.4057	X20CrNi17 2	1.4057
11	Handwheel	GTS/St	0.6020	GTS/St	0.6020	GTS/St	0.6020	GTS/St	06020
16	Stud bolt	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709
17	Hex. nut	24CrMo5	1.7258	24CrMo5	1.7258	24CrMo5	1.7258	24CrMo5	1.7258
15	Packing	Graphite		Graphite		Graphite		Graphite	
25	Screwed bush	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936

**Special materials on request.**

**Specification**

Marking EN19, CE  
 Butt weld ends, dimensions as per DIN 3239  
 Testing standard AD-2000 and EN 12266-2 (DIN 3230 part 3)

**Pressure-Temperature-rating**

Material	Calculating temperature °C																
	20	200	250	300	350	400	475	500	510	520	525	530	535	540	545	550	580
P250GH (C22.8)	500	500	500	430	345	290	-	-	-	-	-	-	-	-	-	-	-
16Mo3 (15Mo3)	500	500	500	500	475	447	426	260	207	165	-	-	-	-	-	-	-
13CrMo4-5	500	500	500	500	500	500	496	383	324	263	241	218	192	170	154	137	-
10CrMo9-10	500	500	500	500	500	500	500	377	330	288	270	251	235	218	204	190	95

Admiss: operating pressure in bar (welding ends raw)

All of our valves are subject to a steady technological progress and improvement. So details might change without prior notification.