

Globe Valve

DN 15 - 50
PN 160 / 250 / 400 / 500

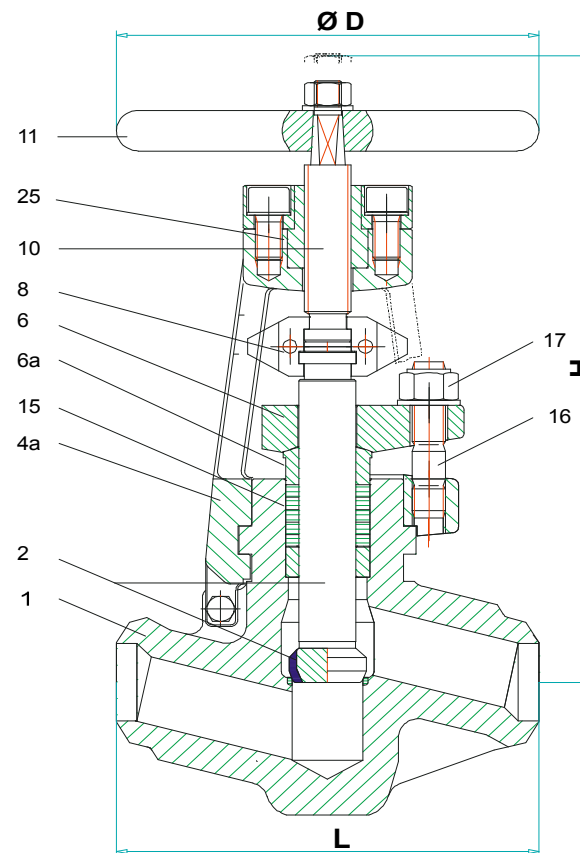
Figure S21.021 (PN 160)
 Figure S21.023 (PN 250)
 Figure S21.025 (PN 400)
 Figure S21.026 (PN 500)

Design

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

Dimensions

DN	15	20	25	32	40	50
BW - L	160	160	160	160	250	250
H	285	285	285	285	405	405
D	200	200	200	200	315	315
Weight (kg)	7	7	7	8	27	27



Material

Item	Part name	Material		Material		Material		Material		Material	
1	Body Seat faces	C22.8 Stellit	1.0460	15Mo3 Stellit	1.5415	13CrMo44 Stellit	1.7335	10CrMo910 Stellit	1.7380	X2CrNiMo18 14 3 Stellit	1.4435
2	Disc Seat faces	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922	X20CrMoV121 Stellit	1.4922	X6CrNiMoTi 17 12 2 Stellit	1.4571
4a	Yoke	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335
6	Gland flange	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335
6a	Trust piece	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335	13CrMo44	1.7335
8	Coupling	X20CrNi17 2	1.4057	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	GTS/St	06020
16	Stud bolt	21CrMoV5-7	1.7709	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	24CrMo5	1.7258
15	Packing	Graphite		Graphite		Graphite		Graphite		Graphite	
25	Screwed bush	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936	CuAl10Fe3Mu2560	2.0936

Special materials on request.

Pressure-Temperature-rating

Material body	Calculating temperature °C																
	20	200	250	300	350	400	475	500	510	520	525	530	535	540	545	550	580
C22.8	500	500	500	430	345	290	-	-	-	-	-	-	-	-	-	-	-
15Mo3	500	500	500	500	475	447	426	260	207	165	-	-	-	-	-	-	-
13CrMo44	500	500	500	500	500	500	496	383	324	263	241	218	192	170	154	137	-
10CrMo910	500	500	500	500	500	500	500	377	330	288	270	251	235	218	204	190	95
X2CrNiMo18 14 3	500	385	356	331	317	303	285	281	330	288	283	278	277	276	275	275	

Admiss: operating pressure in bar (welding ends raw)

Specification

Marking

EN19, CE

Butt weld ends, dimensions as per

DIN 3239

Testing standard

AD-2000 and DIN 3230 part 3