

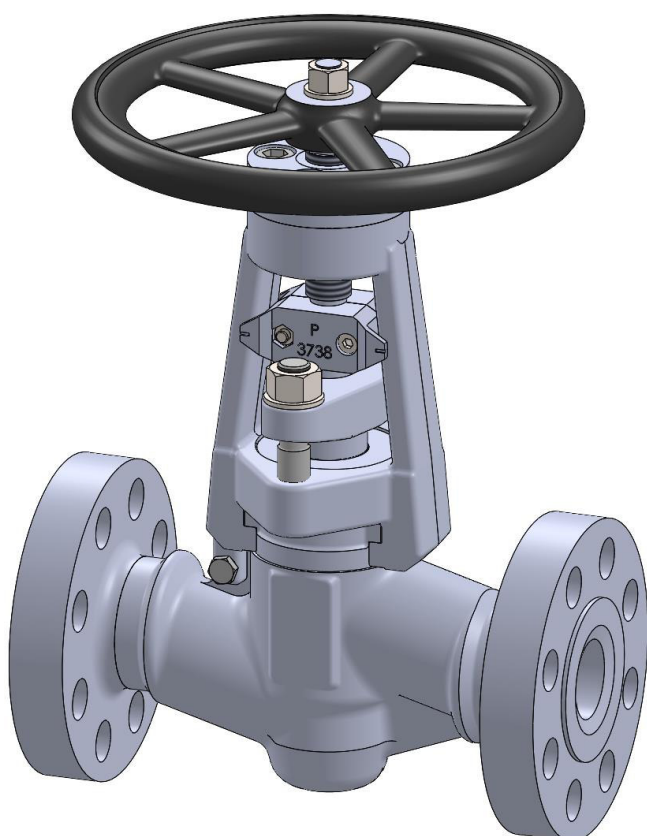


PHÖNIX

STRACK

DAUME
REGELARMATUREN

S/P Solent & Pratt
Phoenix Ltd



Globe Valve

Type S21

PN 160 - 630

Phoenix Valve Group
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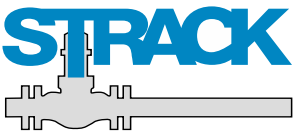
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Globe Valve / Type S21

DN 15 - 50
PN 160 / 250 / 400 / 500 / 630



Design

- With rotating rising handwheel
- Construction of forged components
- Coverless design
- With integrated stuffing seal in the body, non rotating disc and coupling stem

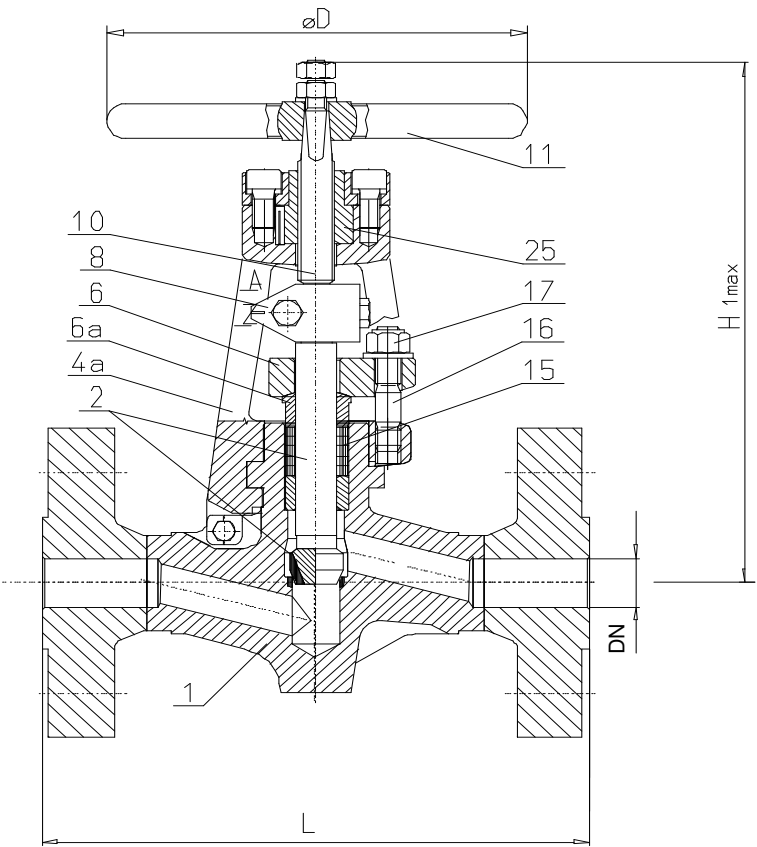
Dimensions with Handwheel / Flanged Valves

PN 160 - 630	Size / DN	15	25	40	50
	L PN 160	210	230	-	300
	L PN 250	230	260	300	350
	L PN 320	230	260	300	350
	L PN 400	260	300	350	400
	L PN 630	on request			
	H	270	270	380	380
	D	200	200	315	315
Weight (kg)		14	22	55	61

Drag coefficient / Flow coefficient

DN	15	20	25	32	40	50
$\zeta_v [-]$	7	5,3	9,1	11	9,5	10,5
$k_v [m^3/h]$	3,3	6,8	8,3	12	20	29

PHÖNIX reserves the right to change product design and specification without notice.



Globe Valve / Type S21

PN 160 / 250 / 400 / 500 / 630 DN 15 - DN 50

Materials



		Heat resistant carbon steel		Low temperature steel		Stainless steel	
Item	Part name	Material*	DIN	Material* -50 °C / 500 bar 400 °C / 375 bar	DIN	Material* 20 °C / 500 bar 550 °C / 356 bar	DIN
1	Body	20 °C / 630 bar ... 450 °C / 193 bar P250GH	1.0460	P355NL1	1.0566	X 2CrNiMo17-12-2	1.4404
		20 °C / 630 bar ... 530 °C / 132 bar 16Mo3	1.5415				
		20 °C / 630 bar ... 550 °C / 137 bar 13CrMo4-5	1.7335				
		20 °C / 630 bar ... 600 °C / 195 bar 10CrMo9-10	1.7380				
		20 °C / 630 bar ... 650 °C / 123 bar X10CrMoVNB9-1	1.4903				
	Overlay	Stellite 21 (≈ 32 HRC)		Stellite 21 (≈ 32 HRC)		Stellite 21 (≈ 32 HRC)	
2	Disc + Lower Stem	X20CrMoV11-1	1.4922	X20CrMoV11-1	1.4922	X 6CrNiMoTi17-12-2	1.4571
	Overlay	Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)	
4	Bonnet	13CrMo4-5	1.7335	13CrMo4-5	1.7335	13CrMo4-5	1.7335
6	Gland follower	GS12CrMo9-10	1.7380	GS12CrMo9-10	1.7380	GS12CrMo9-10	1.7380
6a	Pressure piece	13CrMo4-5	1.7335	X 6CrNiMoTi17-12-2	1.4571	X 6CrNiMoTi17-12-2	1.4571
8	Coupling	GX5CrNiMo19-11-2	1.4408	GX5CrNiMo19-11-2	1.4408	GX5CrNiMo19-11-2	1.4408
10	Upper Stem	X20CrMoV11-1	1.4922	X20CrMoV11-1	1.4922	X20CrMoV11-1	1.4922
11	Handwheel	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040
15	Packing	Graphite		Graphite		Graphite	
16	Stud bolt	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709
17	Hex.nut	25CrMo4	1.7218	25CrMo4	1.7218	25CrMo4	1.7218
25	Screwed bush	CuAl10Fe3Mn2F60	2.0936	CuAl10Fe3Mn2F60	2.0936	CuAl10Fe3Mn2F60	2.0936
		34CrAlMo5	1.8507	34CrAlMo5	1.8507	34CrAlMo5	1.8507

Special materials on request

* Pressure-temperature-rating see appendix

Specification

Marking EN19, AD-A4, CE

Face-to-face dimensions

Flanged option Manufacturer standard

Connections

Flanged option DIN EN 1092-1 up to PN100 / DIN 2638 (PN160) / DIN 2628 (PN250) / DIN 2629 (PN320) / DIN 2627 (PN400)

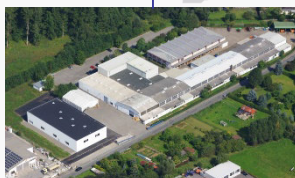
Testing standard

AD-2000, DIN 3230 section 3, DIN EN 12266

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