

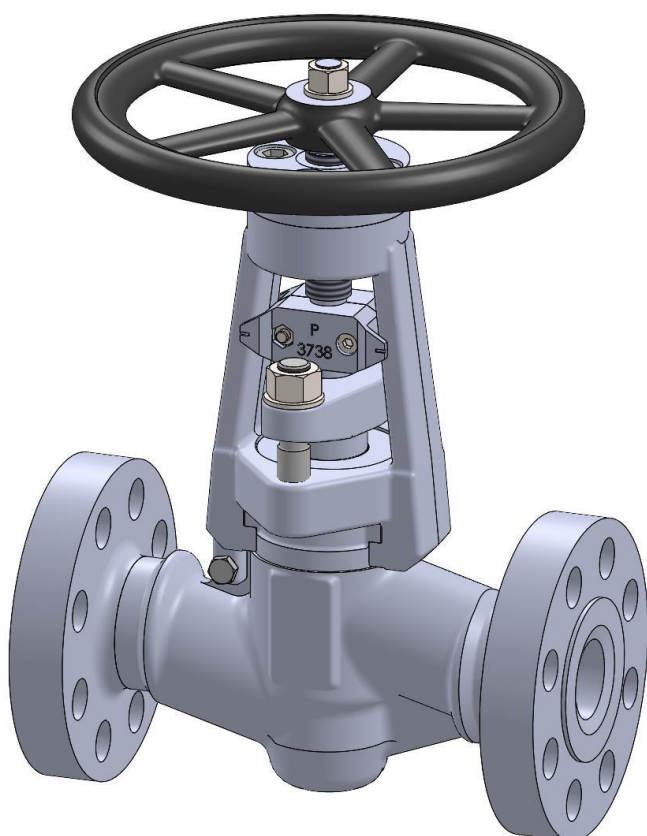


PHÖNIX

STRACK

DAUME
REGELARMATUREN

S/P Solent & Pratt
Phoenix Ltd



Globe Valve

Type S21

Class 600 - 2500

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Globe Valve / Type S21

NPS 1/2 - 2
Cl. 600 / 900 / 1500 / 2500



Design

With rotating rising handwheel

Construction of forged components

Coverless design

With integrated stuffing seal in the body, non rotating disc and coupling stem

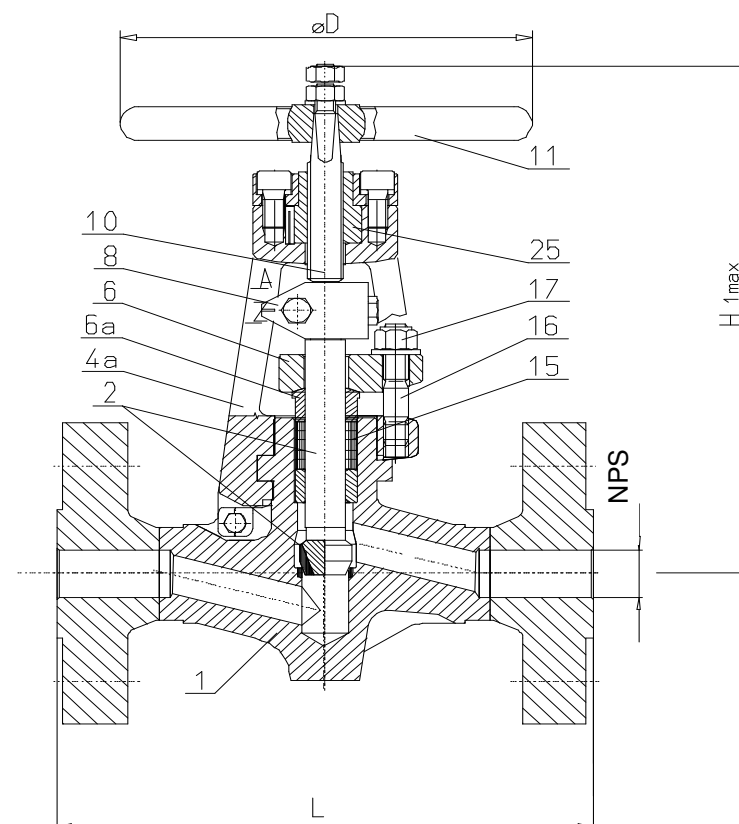
Dimensions with Handwheel / Flanged Valves

Cl. 600 - 2500	Raised Face					Ring Type Joint			
	NPS	1/2	1	1 1/2	2	1/2	1	1 1/2	2
	L Cl. 600		216		292		216		295
	L Cl. 900		254	305	368		254	305	371
	L Cl. 1500	216	254	305	368	216	254	305	371
	L Cl. 2500	264	308	384	451	264	308	387	454
	H	270	270	380	380	97	97	150	150
	D	200	200	315	315	200	200	315	315
	Weight Cl. 2500 (kg)	13	18	40	63	13	18	40	63

Drag coefficient / Flow coefficient

NPS	1/2	1	1 1/2	2
$\zeta_v [-]$	on request			
$k_v [m^3/h]$				

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



Globe Valve / Type S21

Cl. 600 / 900 / 1500 / 2500 NPS 1/2 - 2

Materials



Item	Part name	Heat resistant carbon steel	Low temperature steel	Stainless steel
		Material *	Material* -50 °C / 500 bar 400 °C / 375 bar	Material* 20 °C / 500 bar 550 °C / 356 bar
1	Body	20 °C / 630 bar ... 450 °C / 193 bar A 105 20 °C / 630 bar ... 530 °C / 132 bar A 182 Gr. F1 20 °C / 630 bar ... 550 °C / 137 bar A 182 Gr. F11 20 °C / 630 bar ... 600 °C / 195 bar A 182 Gr. F22 20 °C / 630 bar ... 650 °C / 123 bar A 182 Gr. F91	A 350 Gr. LF2	A 182 Gr.F316L
	Overlay	Stellite 21 (≈ 32 HRC)	Stellite 21 (≈ 32 HRC)	Stellite 21 (≈ 32 HRC)
2	Disc + Lower Stem	>10 % Cr (1.4922)	>10 % Cr (1.4922)	A 182 Gr.F316Ti
	Overlay	Stellite 6 (≈ 42 HRC)	Stellite 6 (≈ 42 HRC)	Stellite 6 (≈ 42 HRC)
4	Bonnet	A 182 Gr. F12	A 182 Gr. F11	A 182 Gr. F11
6	Gland follower	A 182 Gr. F22	A 182 Gr. F22	A 182 Gr. F22
6a	Pressure piece	A 182 Gr. F12	A 479 Gr.316Ti	A 479 Gr.316Ti
8	Coupling	A 351 CF 8M	A 351 CF 8M	A 351 CF 8M
10	Upper Stem	A 182 Gr. F6	A 182 Gr. F6	A 182 Gr. F6
11	Handwheel	A 395	A 395	A 395
15	Packing	Graphite	Graphite	Graphite
16	Stud bolt	A 193 Gr.B7	A 193 Gr.B7	A 193 Gr.B7
17	Hex.nut	A 194 - 7L	A 194 - 7L	A 194 - 7L
25	Screwed bush	CuAl10Fe3Mn2F60 34CrAlMo5	CuAl10Fe3Mn2F60 34CrAlMo5	CuAl10Fe3Mn2F60 34CrAlMo5

Special materials on request

* Pressure-temperature-rating see appendix

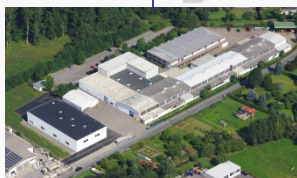
Specification

Marking	MSS SP-25, ISO 5209 (EN19, AD-A4, CE)
Face-to-face dimensions	
Flanged option	ASME B 16.10 or Manufacturer standard
Connections	
Flanged option	ASME B 16.5
Testing standard	API 598, ISO 5208 (AD-2000, DIN 3230 section 3)

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Printed in Germany
09/22-R0