

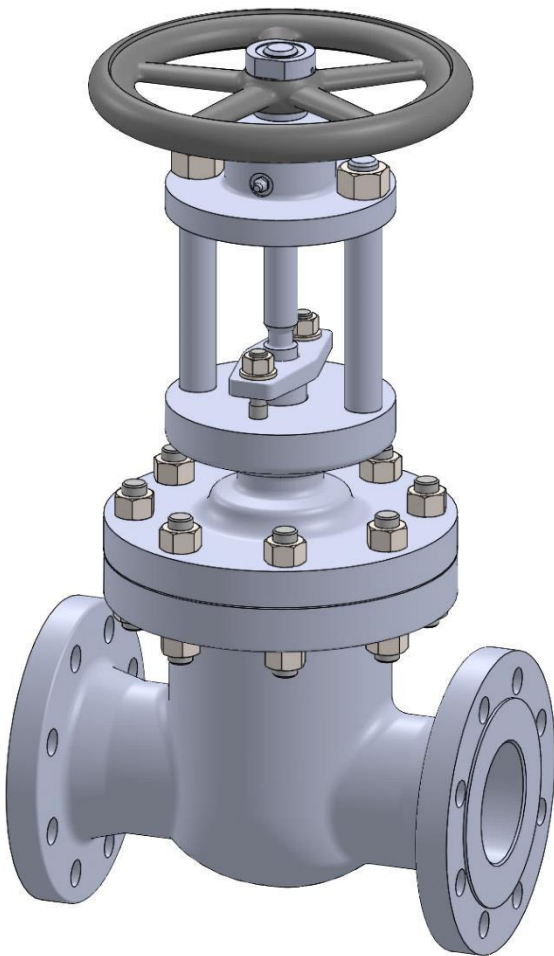


PHÖNIX

STRACK

DAUME
REGELARMATUREN

SIP Solent & Pratt
Phönix Ltd



Gate Valve Type S03 PN 16 - 25

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Gate Valve / S03

DN 50 - 600

PN 16 / 25



Design

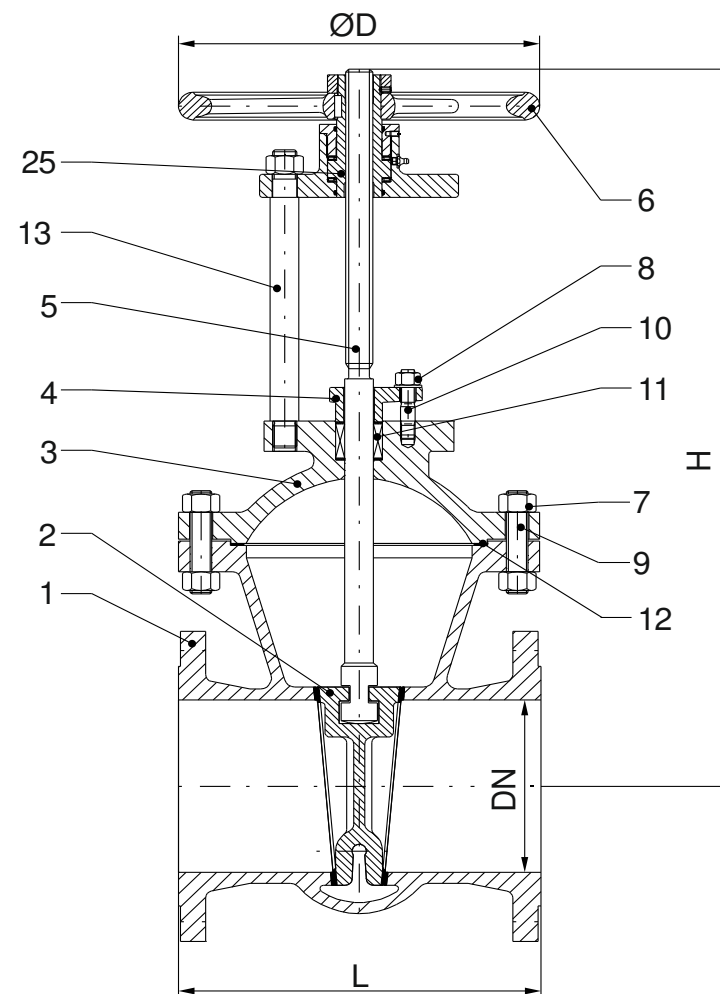
- Gate Valve of cast steel
- With outside screw
- With flexible wedge
- Threaded bush with needle bearings
- Flanged ends or butt-weld ends
- Full bore, straight way
- Stem sealed by stuffing box
- Additional back seat at fully opened valve

Dimensions

PN 16 - 25	Size / DN	50	80	100	150	200	250	300	350	400	500	600
	L	250	280	300	350	400	450	500	550	600	700	800
	H	435	600	706	1030	1070	1350	1570	1650	1900	2260	2640
	D	250	250	315	400	400	500	630	630	720	720	800
	Weight (kg)	30	35	60	80	150	300	420	550	710	1090	1520

Drag coefficient / Flow coefficient

Size / DN	50	80	100	150	200	250	300	350	400	500	600
ζ_v [-]	0,25	0,25	0,25	0,25	on request						
k_v [m ³ /h]	199	511	799	1799	on request						



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

Gate Valve / S03

PN16 / 25 DN50 - 600

Materials



Item	Part name	Heat resistant carbon steel				Low temperature steel		Stainless steel	
		Material * from -10°C up to 400°C	DIN	Material * from -10°C up to 500°C	DIN	Material * from -50°C up to 300°C	DIN	Material * from -270°C up to 400°C	DIN
1	Body	GP240GH	1.0619	G12CrMo19-5	1.7363	G21Mn 5	1.1138	GX5CrNiMo19-11-2	1.4408
	Overlay	G 18 8Mn (≈ 200 HRB)	1.4370***	G 18 8Mn (≈ 200 HRB)	1.4370***	G 18 8Mn (≈ 200 HRB)	1.4370***		
2	Wedge	GP240GH	1.0619	G12CrMo19-5	1.7363	G21Mn 5	1.1138	GX5CrNiMo19-11-2	1.4408
	Overlay	G Z 13 (≈ 300 HRB)	1.4009***	Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)			
3	Bonnet	GP240GH	1.0619	G12CrMo19-5	1.7363	G21Mn 5	1.1138	GX5CrNiMo19-11-2	1.4408
4	Gland follower	GP240GH	1.0619	GP240GH	1.0619	GS-10Ni14	1.5638	X6CrNiMoTi17-12-2	1.4571
5	Stem	X20Cr13	1.4021	X20CrMoV11-1	1.4922	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
6	Handwheel	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040
7	Hex.nut	25CrMo4	1.7218	25CrMo4	1.7218	A4-70		A4-70	
8	Hex.nut	Steel	5	Steel	5	A4-70		A4-70	
9	Stud bolt	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	A4-70		A4-70	
10	Stud bolt	Steel	5.6	Steel	5.6	A4-70		A4-70	
11	Packing	Graphite		Graphite		PTFE-Silk**		PTFE-Silk**	
12	Bonnet gasket	Kammprofil / Graphite + S.S.		Kammprofil / Graphite + S.S.		Kammprofil / Graphite + S.S.		Kammprofil / Graphite + S.S.	
13	Pillar	C35	1.0501	C35	1.0501	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057
25	Threaded bushing	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057

Special materials on request.

Specification

Marking

EN19, AD-A4, CE

Face-to-face dimensions

Flanged option

DIN EN 558-1 / ≤ PN25: row 15

Butt weld ends

DIN EN 12982 up to PN100

Socket weld ends

Connections

Flanged option

DIN EN 1092-1 up to PN100

Butt weld ends

DIN EN 12627

Socket weld ends

DIN EN 12760

Testing standard

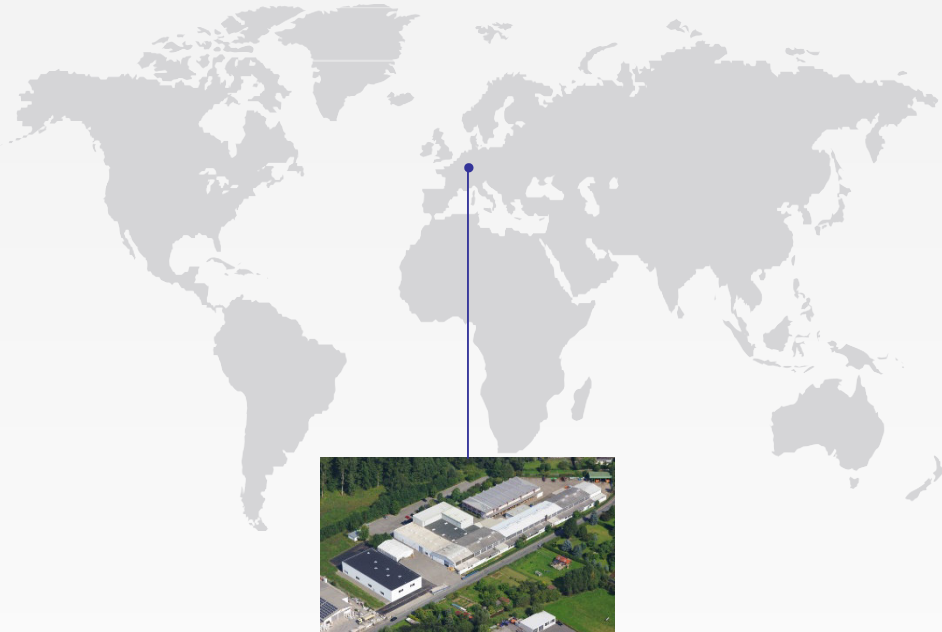
AD-2000, DIN 3230 section 3, DIN EN 12266

* Pressure-temperature-rating see appendix

** ≥ 220°C Packing of pure graphite

*** Stellite on request

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