



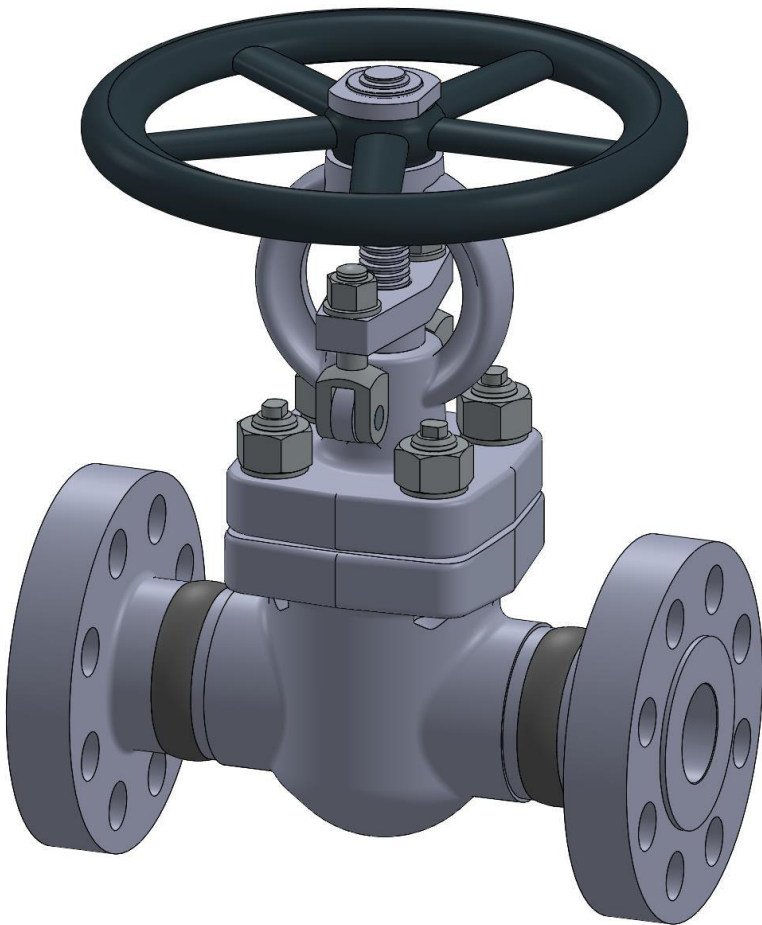
PHÖNIX

STRACK

DAUME
REGELARMATUREN



Solent & Pratt
Phoenix Ltd



Gate Valve

Type S17

PN 250

Phönix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

Phone:
web:
eMail:

+49 5693 988 0
www.phoenix-valvegroup.com
info@phoenix-valvegroup.com



Gate Valve / S17

DN 15 - 50
PN 250



Design

Construction of forged components
Flanged ends, Socket weld ends and Butt weld ends
Full and straight bored
Stem sealed by stuffing box

Dimensions

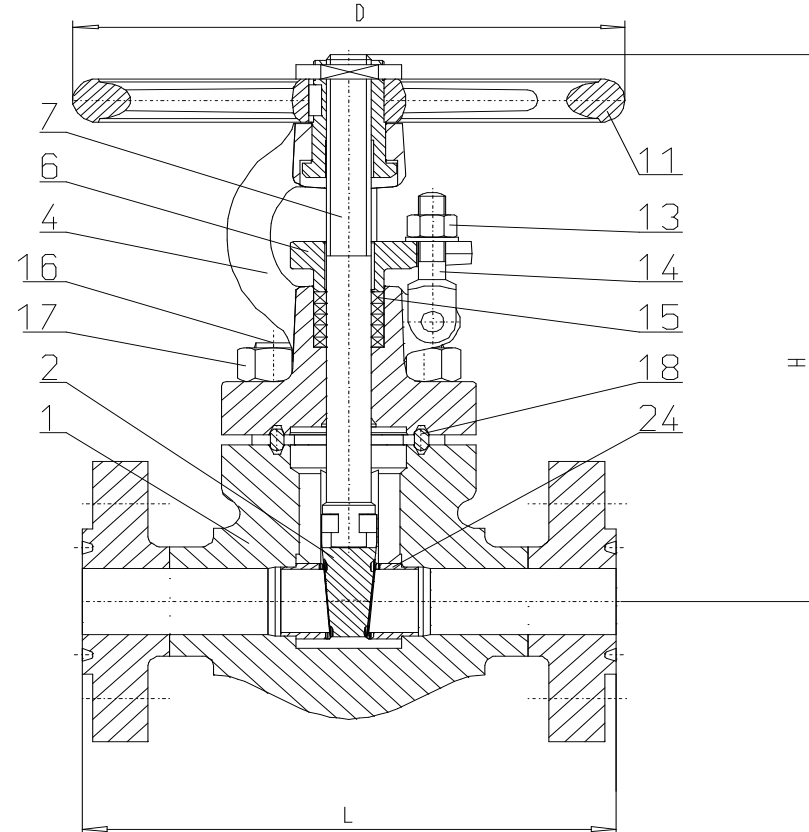
PN 250	Size / DN	15	20	25	40	50
	L _{Flange}	210	230	230	260	300
	L* _{BW}	135	135	135	215	215
	H	360	360	360	580	580
	D	150	150	150	200	200
	Weight _{flange} (kg)	9	10	14	27	35

* Manufacturer standard

Drag coefficient / Flow coefficient

Size / DN	15	20	25	40	50
ζ_v [-]	0,25	0,25	0,25	0,25	0,25
k_v [m ³ /h]	17,99	31,98	49,97	127	199

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



Gate Valve / S17

PN250 DN15 - DN50

Materials



Item	Part name	Heat resistant carbon steel				Low temperature steel		Stainless steel	
		Material * up to 400°C	DIN	Material * from -10°C up to 550°C		Material * from -50°C up to 300°C	DIN	Material * from -270°C up to 400°C	DIN
1	Body	P250GH	1.0460	12CrMo19-5	1.7362	P355NL1	1.0566	X 2CrNiMo17-12-2	1.4404
24	Seat	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571	X6CrNiMoTi17-12-2 (≈ 200 HRB)	1.4571	X6CrNiMoTi17-12-2	1.4571
	Overlay		- ***		- ***		- ***		
2	Wedge	GX20Cr14	1.4027	G12CrMo19-5	1.7363	GX5CrNiMo19-11-2	1.4408	GX5CrNiMo19-11-2	1.4408
	Overlay	G Z 13 (≈ 300 HRB)	1.4009***	Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)	
4	Bonnet	P250GH	1.0460	12CrMo19-5	1.7362	P355NL1	1.0566	X 2CrNiMo17-12-2	1.4404
6	Gland follower	GP240GH	1.0619	GP240GH	1.0619	GS-10Ni14	1.5638	X6CrNiMoTi17-12-2	1.4571
7	Stem	X20Cr13	1.4021	X20CrMoV11-1	1.4922	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
11	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
13	Hex.nut	Steel	5	Steel	5	A4-70		A4-70	
14	Stud bolt	Steel	5.6	Steel	5.6	A4-70		A4-70	
15	Packing	Graphite		Graphite		PTFE-Silk**		Graphite	
16	Stud bolt	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	A4-70		A4-70	
17	Hex.nut	25CrMo4	1.7218	25CrMo4	1.7218	A4-70		A4-70	
18	Bonnet gasket	Stainless steel / graphite		Stainless steel / graphite		Stainless steel / graphite		Stainless steel / graphite	
	Threaded bushing	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057	X17CrNi16-2	1.4057

Special materials on request

* Pressure-temperature-rating see appendix

** ≥ 220°C Packing of pure graphite

*** Stellite on request

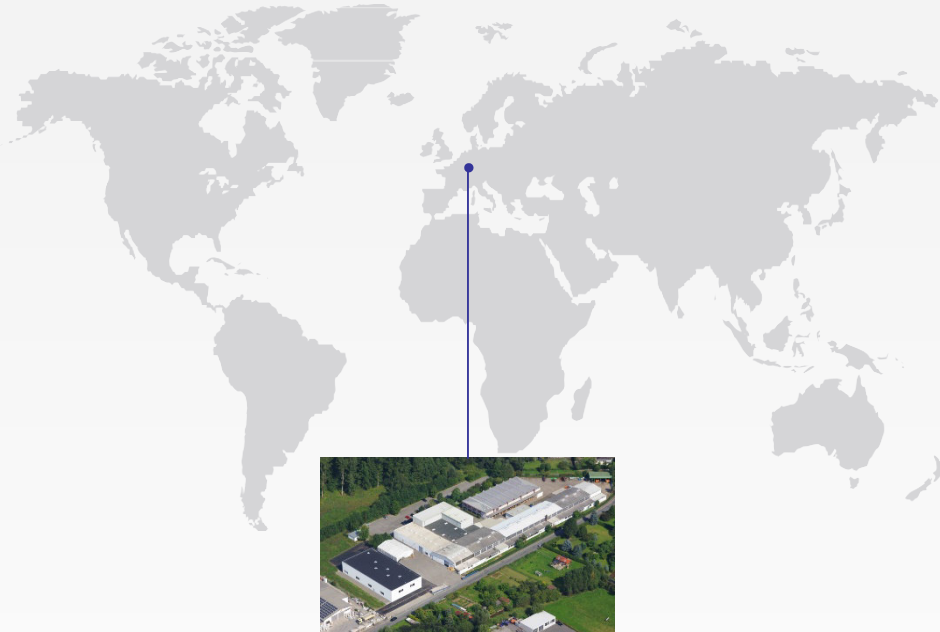
Specification

Marking	EN19, AD-A4, CE
Face-to-face dimensions	
Flanged option	DIN EN 558-1 / PN160-250: row 2
Butt weld ends	Manufacturer standard
Socket weld ends	
Connections	
Flanged option	DIN 2638 (PN160) / DIN 2628 (PN250)
Butt weld ends	DIN EN 12627
Socket weld ends	DIN EN 12760
Testing standard	AD-2000, DIN 3230 section 3, DIN EN 12266

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PHÖNIX • P +49 5693 988-0 • F +49 5693 988-178 • info@phoenix-valvegroup.com • https://phoenix-valvegroup.com

Contact us



Volkmarshen, Germany

Sales and Operations

Phönix Valve Group GmbH

Volkmarshen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Phönix Armaturen Werke-Bregel GmbH

Volkmarshen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Strack GmbH

Volkmarshen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

PAW SARL

Genay Cedex, France
Phone: +33 437 408 195
Email: commercial@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Daume Regelarmaturen GmbH

Volkmarshen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com

Solent & Pratt Phönix Ltd.

Volkmarshen, Germany
Phone: +49 5693 988 0
Email: info@phoenix-valvegroup.com
Website: www.phoenix-valvegroup.com



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