

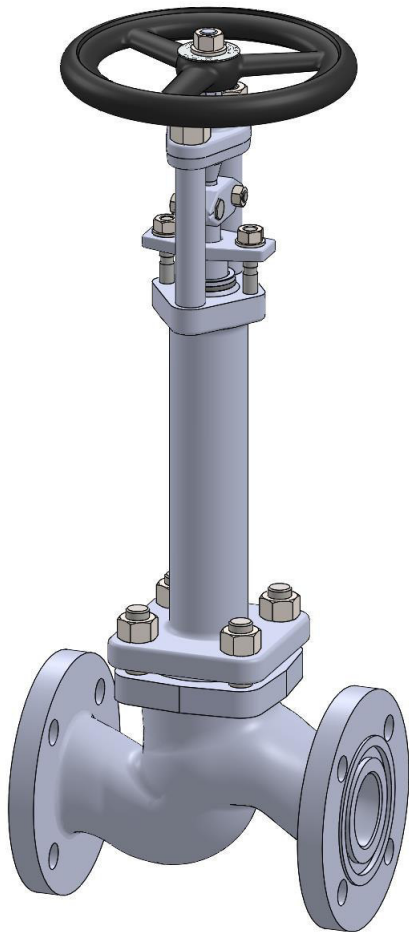


PHÖNIX

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Phönix Ltd



Globe Valve

Type 935

PN 16

Phönix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

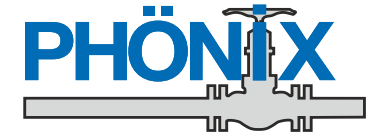
Phone:
web:
eMail:

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



Globe valve / Type 935 for cryogenic application

PN16 DN15 - DN150



CE 0525

Design

Long isolating distance for use in refrigerating circuits and air separation plants
 Stuffing box
 Additional back seat at fully opened valve as secondary sealing
 Rotating disc with conic metal-to-metal seal

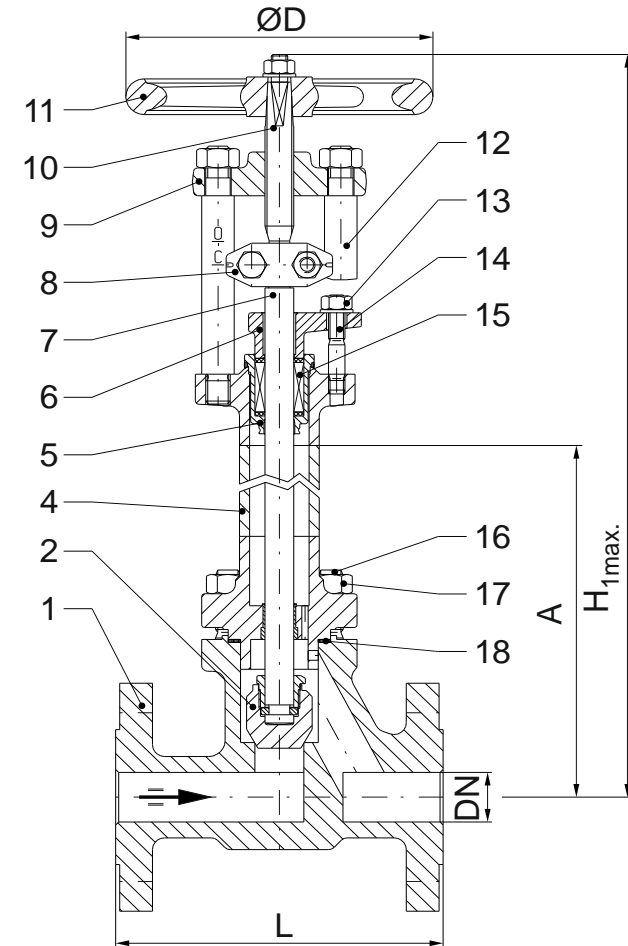
Dimensions

PN16	Size / DN	15	20	25	32	40	50	65	80	100	125	150
	L	130	150	160	180	200	230	290	310	350	400	480
H	630	630	630	670	670	670	690	910	950	950	1080	
D	150	150	150	200	200	200	200	250	315	315	400	
A	300	300	300	300	300	300	300	600	600	600	600	
Weight (kg)	8	9	10	16	18	21	30	41	62	98	128	

Drag coefficient / Flow coefficient

Size / DN	15	20	25	32	40	50	65	80	100	125	150
ζ_v [-]	6,9	5,1	8,9	5,1	9,1	10,2	4,6	5	4,9	5,9	4,9
k_v [m ³ /h]	3,4	7	8,3	18	21	31	78	113	179	256	405

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



Globe valve / Type 935 for cryogenic application

PN16/ 25/ 40 DN15 - DN150

Materials



		Stainless steel / Type 935 V	
Item	Part name	Material *	DIN
1	Body	X2CrNiMo17-12-2	1.4404
	Overlay	GX5CrNiMo19-11-2 like body (\approx 200 HRB)	1.4408
2	Disc	X6CrNiMoTi17-12-2	1.4571
	Overlay	- ***	
4	Bonnet	X2CrNiMo17-12-2	1.4404
5	Stuffing box body	X6CrNiMoTi17-12-2	1.4571
6	Gland follower	GX5CrNiMo19-11-2	1.4408
7	Lower Stem	X6CrNiMoTi17-12-2	1.4571
8	Coupling	GX5CrNiMo19-11-2	1.4408
9	Bridge	P250GH / QPQ-nitrited	1.0460
10	Upper Stem	X17CrNi16-2	1.4057
11	Handwheel	EN-GJS-400-15	0.7040
12	Pillar	X17CrNi16-2	1.4057
13	Hex.nut	A4-70	
14	Stud bolt	A4-70	
15	Packing	PTFE-Silk**	
16	Stud bolt	A4-70	
17	Hex.nut	A4-70	
18	Bonnet gasket	Kammprofil / Stainless steel / PTFE	

* Pressure-temperature-rating see appendix

** \geq 220°C Packing of pure graphite

*** on request Stellite 6 (\approx 42 HRC)

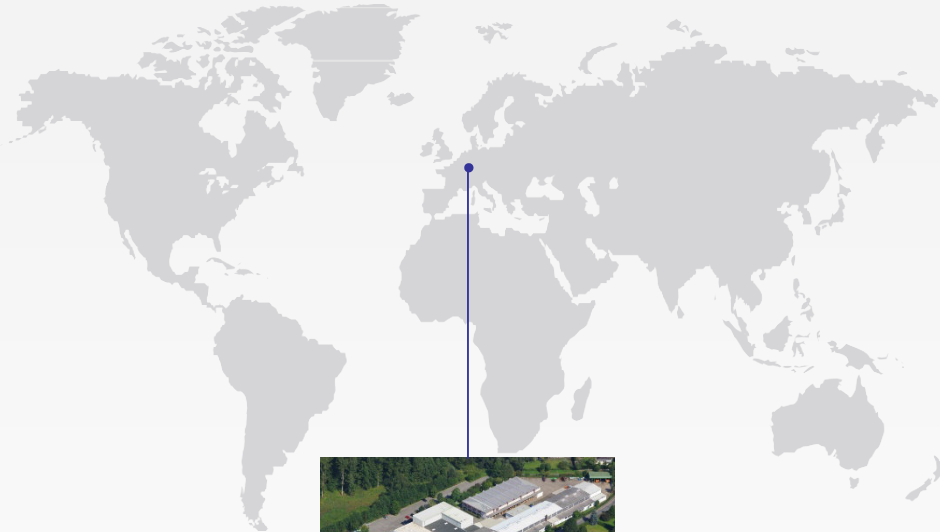
Special materials on request.

Specification

Marking	EN19, AD-A4, CE
Face-to-face dimensions	
Flanged option	DIN EN 558-1
Butt weld ends	DIN EN 12982 up to PN100
Socket weld ends	
Connections	
Flanged option	DIN EN 1092-1 up to PN100 / DIN 2512 PN160
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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Contact us



Volkmarsen, Germany

Sales and Operations

Phönix Valve Group GmbH

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

Phönix Armaturen Werke-Bregel GmbH

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

Strack GmbH

Volkmarsen, 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

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

Solent & Pratt Phönix Ltd.

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



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