



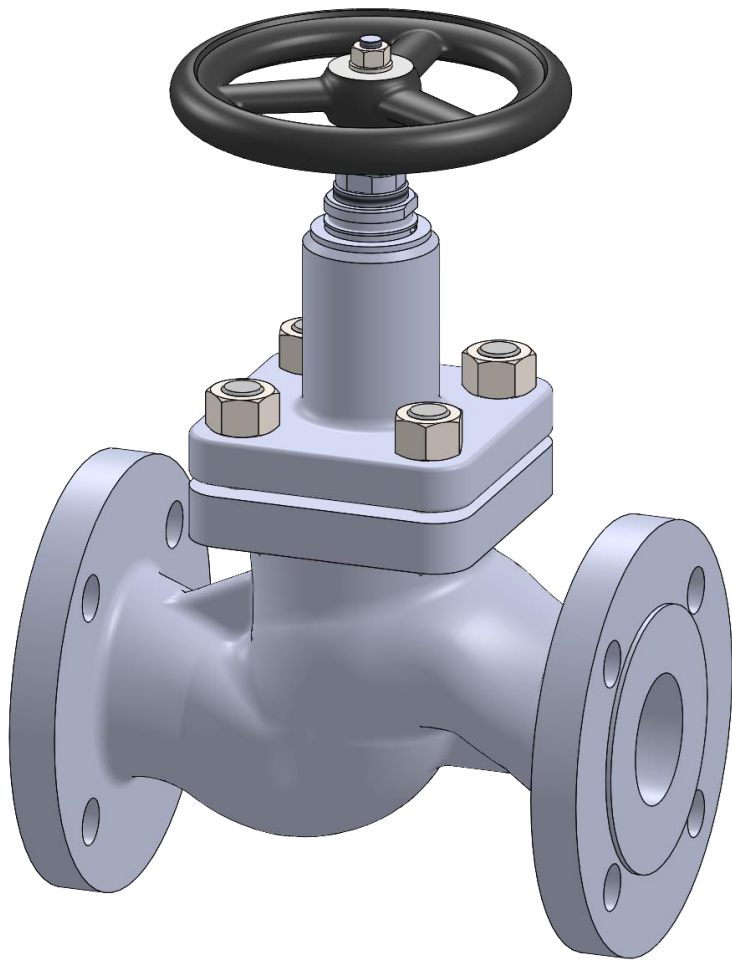
PHÖNIX

STRACK

DAUME
REGELARMATUREN



Solent & Pratt
Phönix Ltd



Refrigerant Valve

Type 385

PN 16 - 40

Phönix Valve Group
Am Stadtbruch 6
34471 Volkmarsen

Phone:
web:
eMail:

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



Bellows Sealed Refrigerant Valve / Type 385 NH3

DN 15 - 400
PN 16 / 25 / 40



CE 0525

Design

- Bellows flushed by media for optimum cleaning
- Up to 10.000 operations guaranteed
- One piece stem
- Multiple-wall bellows, protected against torquing
- Additional emergency stuffing box
- Disc with conic metal-to-metal seal

Dimensions

≤ PN40	Size / DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
	L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	-	1100	-
	H	275	275	275	285	320	320	360	405	440	440	515	585	700	1020	-	1130	-
	ØD*	150	150	150	200	200	200	200	250	315	315	400	500	500	630	-	630	-
	Weight (kg)	6	7	7	10	13	15	23	30	50	85	110	170	250	400	-	700	-

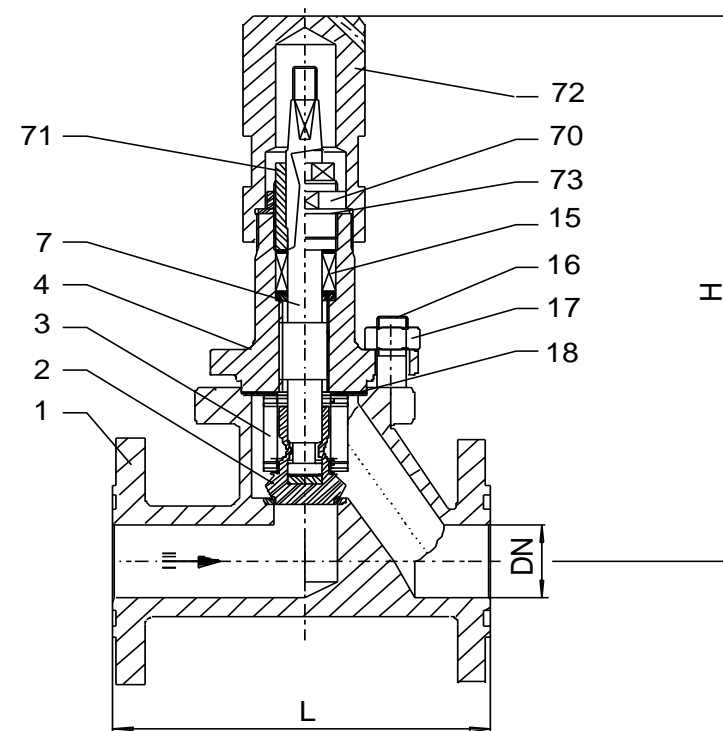
* Information for technical design with handwheel !

Attention: italic nominal width with equilibrating disc, see appendix

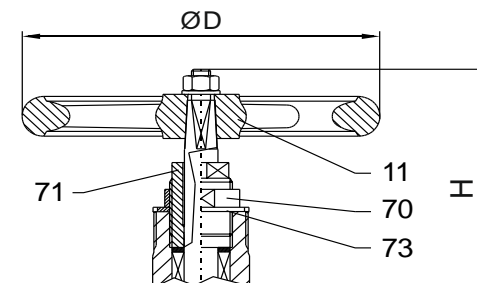
Drag coefficient / Flow coefficient

Size / DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
ζ_v [-]	6,2	4,7	7,7	5,7	5,5	9,7	4,9	5,2	5	5,4	5,5	7,7	8,3	9	on request		
k_v [m³/h]	3,6	7,4	9	17	27	32	76	112	174	267	375	640	870	1200			

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



* Information for technical design with handwheel !



Bellows Sealed Refrigerant Valve / Type 385 NH3

PN 16 / 25 / 40 DN 15 - DN 400



Materials

Item	Part name	Low temperature steel / Type 385 NH3 T		Stainless steel / Type 385 NH3 V	
		Material * from -50°C up to 300°C	DIN	Material * from -200°C up to 400°C	DIN
1	Body Overlay	G20Mn 5	1.6220	GX5CrNiMo19-11-2	1.4408
		G 18 8Mn (≈ 200 HRB)	1.4370	-	-
2	Disc Overlay	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
		Stellite 6 (≈ 42 HRC)		Stellite 6 (≈ 42 HRC)	
3	Bellows	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
4	Bonnet ≤ DN 65	P355NL1	1.0566	X2CrNiMo17-12-2	1.4404
		P355QH1	1.0571		
		> DN 65	G20Mn 5	1.6220	GX5CrNiMo19-11-2
6	Gland follower	G9Ni14	1.5638	X6CrNiMoTi17-12-2	1.4571
7	Stem	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
11	Handwheel	EN-GJS-400-15	0.7040	EN-GJS-400-15	0.7040
15	Packing	PTFE-Silk**		Graphite	
4.1	Stud bolt	A4-70		A4-70	
4.2	Hex. Nut	A4-70		A4-70	
18	Bonnet gasket	Kammprofil / Graphite + S.S.		Kammprofil / Graphite + S.S.	
70	Ring	X 6CrNiMoTi17-12-2	1.4571	X 6CrNiMoTi17-12-2	1.4571
71	Pressure screw	X2CrNiMoN17-13-5	1.4439	X2CrNiMoN17-13-5	1.4439
72	Cap	11SMn30	1.0715	11SMn30	1.0715
73	Flat gasket	X 6CrNiMoTi17-12-2	1.4571	X 6CrNiMoTi17-12-2	1.4571

Special materials on request

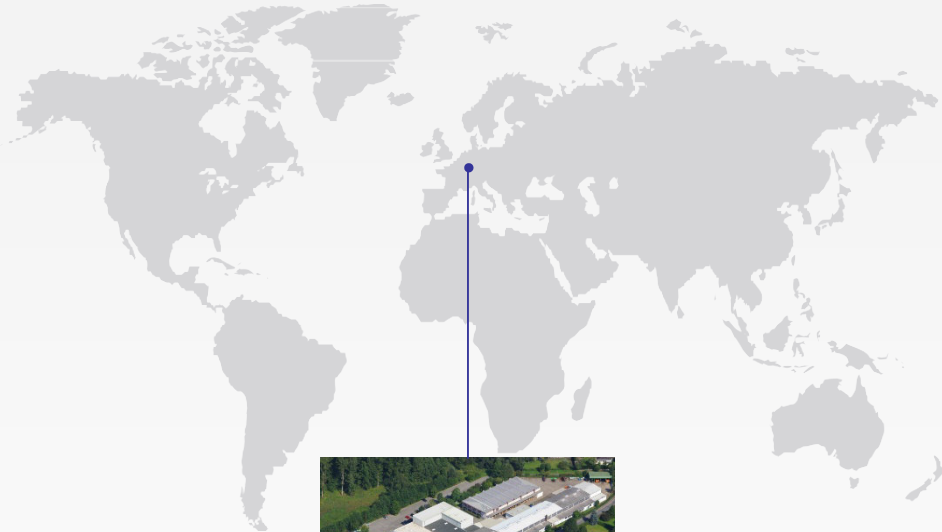
* Pressure-temperature-rating see appendix

** ≥ 220°C Packing of pure graphite

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

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

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



While this information is presented in good faith and believed to be accurate, Phönix Valve Group GmbH, does not guarantee satisfactory results from reliance on such information. Nothing contained herein is to be construed as a warranty or guarantee, expressed or implied, regarding the performance, merchantability, fitness or any other matter with respect to the products, nor as a recommendation to use any product or process in conflict with any patent. Phönix Valve Group GmbH, reserves the right, without notice, to alter or improve the designs or specifications of the products described herein.

© 2022 Phönix Valve Group. All rights reserved. Specifications are subject to change without notice. All trademarks are property of their respective owners

Printed in Germany
09/22-R0