

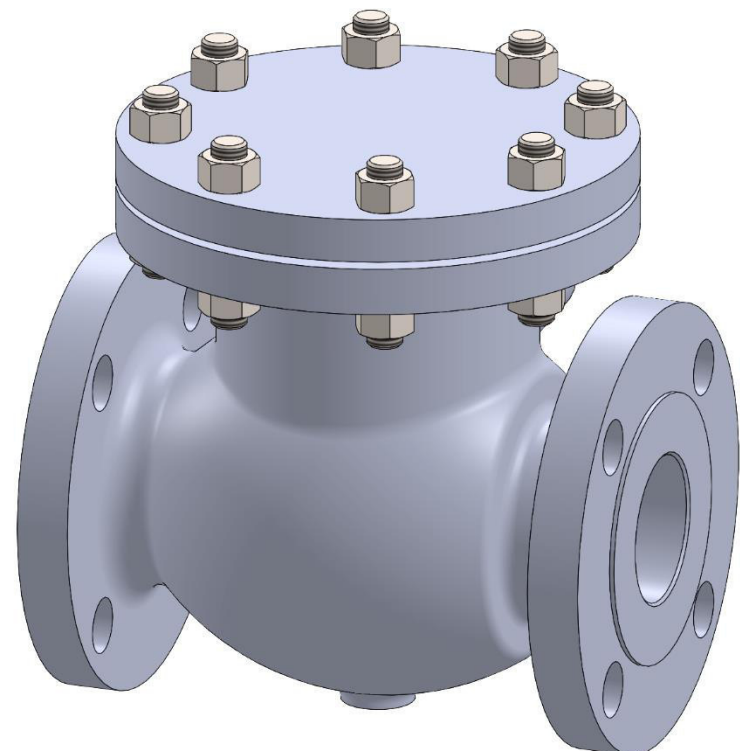


PHÖNIX

STRACK

DAUME
REGELARMATUREN

SIP Solent & Pratt
Phönix Ltd



Swing Check Valve

Type S70

PN 16 - 100

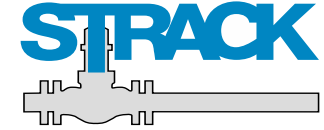
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Check Valve / S70

DN 50 - 300
PN 16 / 25 / 40 / 63 / 100



Design

Check Valve of cast steel
Flanged ends or Butt weld ends

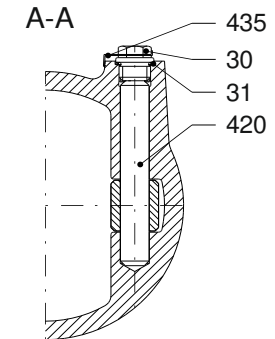
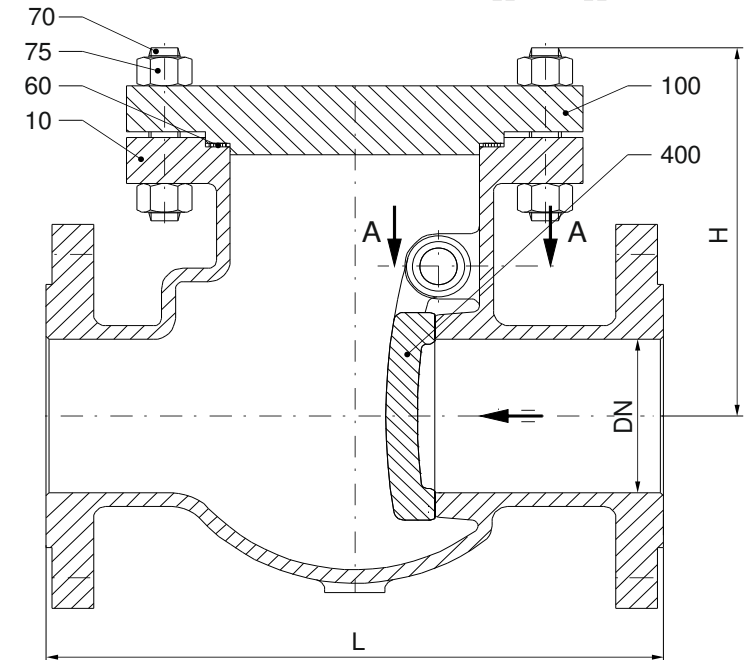
Dimensions

PN 40	Size / DN	50	65	80	100	125	150	200	250	300
	L	230	290	310	350	400	480	600	730	850
	H	165	170	200	230	260	290	330	340	370
	Weight _{FL} (kg)	17	28	32	48	62	98	147	230	300
	Weight _{BW} (kg)	15	25	28	44	58	94	140	220	295

PN 63 - 100	Size / DN	50	65	80	100	125	150	200	250	300
	L	300	340	380	430	500	550	650	-	-
	H	180	180	210	250	260	300	370	-	-
	Weight _{FL} (kg)	40	50	59	90	144	160	380	-	-
Weight _{BW} (kg)	35	45	52	81	136	144	360	-	-	

Drag coefficient / Flow coefficient

Size / DN	50	65	80	100	125	150	200	250	300
ζ_v [-]	on request								
k_v [m ³ /h]									



Check Valve / S70

PN16 / 25 / 40 / 63 / 100 DN50 - DN300



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	DIN	Material * from -50°C up to 300°C	DIN	Material from -200° up to 400°C			
10	Body	GP240GH G 18 8Mn (≈200 HRB)	1.0619 1.4370	GS17CrMo5-5 G 18 8Mn (≈200 HRB)	1.7357 1.4370	G12CMo19-5 Stellite 21 (≈32 HRC)	1.7363	G21Mn 5 G 18 8Mn (≈200 HRB)	1.1138 1.4370	GX5CrNiMo19-11-2	1.4408
100	Cover	GP240GH	1.0619	GS17CrMo5-5	1.7357	G12CMo19-5	1.7363	G21Mn 5	1.1138	GX5CrNiMo19-11-2	1.4408
400	Disc	GP240GH G Z 13 (≈300 HRB)	1.0619 1.4009	GS17CrMo5-5 G Z 13 (≈300 HRB)	1.7357 1.4009	G12CMo19-5 Stellite 6 (≈42 HRC)	1.7363	G21Mn 5 Stellite 6 (≈42 HRC)	1.1138	GX5CrNiMo19-11-2	1.4408
60	Gasket	Serrated gasket with graphite		Serrated gasket with graphite		Serrated gasket with graphite		Serrated gasket with graphite		Serrated gasket with graphite	
70	Bolts	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	21CrMoV5-7	1.7709	A4-70		A4-70	
75	Nuts	25CrMo4	1.7218	25CrMo4	1.7218	25CrMo4	1.7218	A4-70		A4-70	
30	Plug	4.6 DIN 267		4.6 DIN 267		4.6 DIN 267		4.6 DIN 268		4.6 DIN 269	
31	Gasket	Soft iron		Soft iron		Soft iron		Soft iron		Soft iron	
420	Shaft	X20Cr13	1.4021	X20Cr13	1.4021	X20Cr13	1.4021	X6CrNiMoTi17-12-2	1.4571	X6CrNiMoTi17-12-2	1.4571
435	Safety ring	Steel		Steel		Steel		Steel		Steel	

Special materials on request.

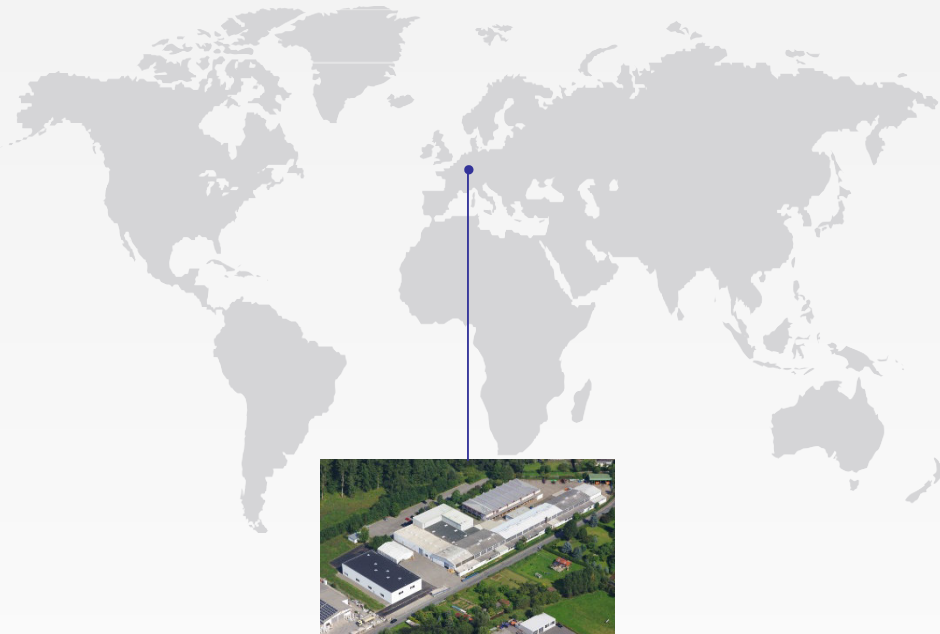
Specification

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

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

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