

WAFER TYPE CHECK VALVE RSK

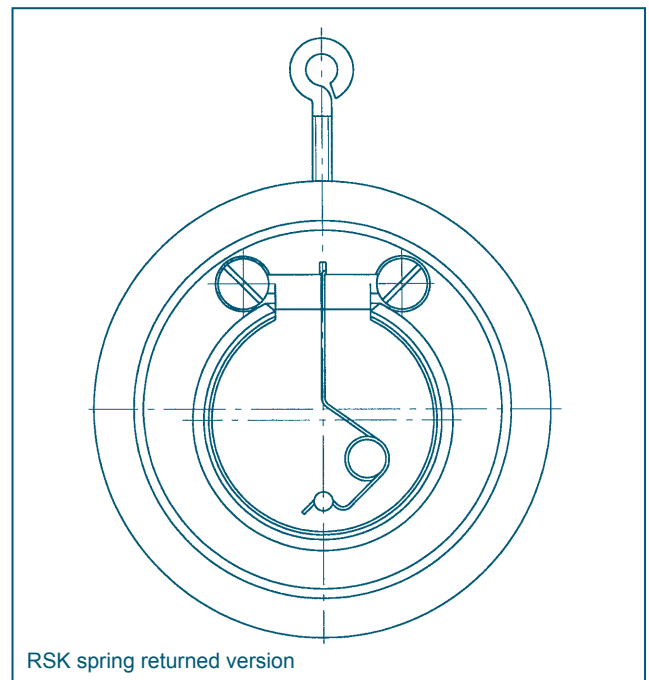


TECHNICAL DATA

Nominal diameter:	DN 32 - DN 600
Face-to-face:	Works standard
Flange accommodation:	EN 1092 PN10/16, ASME Class 150
Marking:	EN 19
Tightness check:	EN 12266 (Leakage Rate A) NBR, EPDM, FKM, PTFE EN 12266 (Leakage Rate G) metal sealing ISO 5208, Category 3 API 598 Table 5
Temperature range:	0°C to +200°C (depending on temperature, sealing and body material) NBR 90°C EPDM 120°C FPM 150°C PTFE 200°C
Pressure range:	max. 8 bar plastic version max. 16 bar metal version (depending on size and body material)

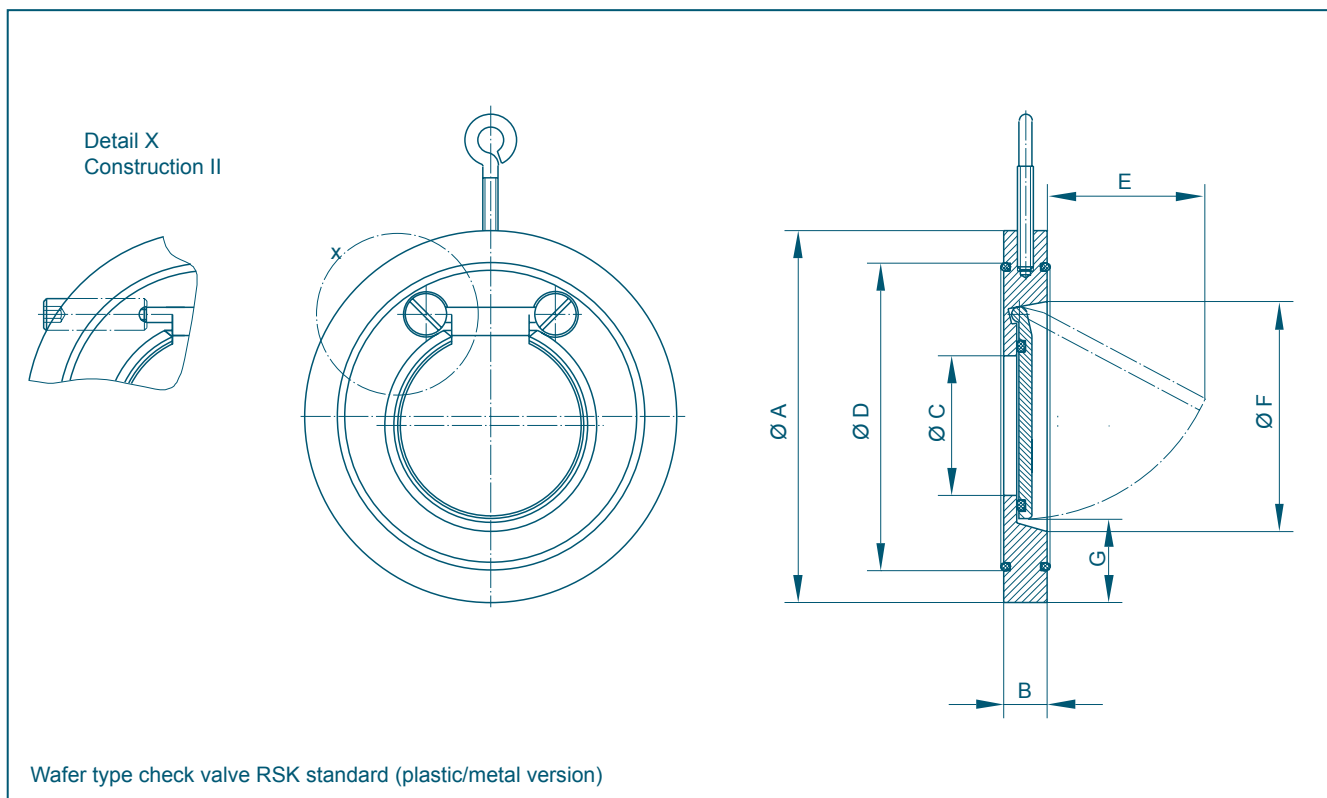
FEATURES

- Universal all-purpose
- Can be installed in any desired position
- Centering over the outside diameter of the body
- Sealing through O-rings
- Holder-eye for easy centering
- Extremely short face-to-face length
- Materials can be changed among each other
- All constructions are available in spring returned version
- For resonant flow conditions:
RSK with spring reset
- Maintenance-free - simple mounting



RSK spring returned version

Subject to change without notice



DN Size		Dimensions [mm]												Weight [kg]		
			Plastic		Metal without manual emergency switch		Metal with manual emergency switch									
[mm]	[in]	A	B without spring	B with spring	B without spring	B with spring	B without spring	B with spring	C	D	E	F	G	Pla- stic	Metal	
32	1¼	85	15	15	15	15	-	-	18	59	22	37	25	0,1	0,5	
40	1½	95	16	16	16	16	-	-	22	72	25	43	28	0,1	0,8	
50	2	109	18	18	17/14**	17/14**	19	19	32	86	37	54	29	0,2	1,0	
65	2½	129	20	20	17/14**	17/14**	19	19	40	105/109*	50	70	29	0,2	1,4	
80	3	144	20	20	17/14**	17/14**	20	20	54	119	61	82	29	0,3	1,8	
100	4	164	23	23	21/18**	21/18**	23	23	70	146	77	106	31	0,4	2,9	
125	5	195	23	23	18	22/18**	24	24	92	173	94/98*	131	35	0,5	3,9	
150	6	220	26	26	20	26/20**	29	29	105	197	100/120*	159	35	0,7	4,6	
200	8	275	34	34	22	29/22**	30	30	154	255	152/160*	207	38	1,4	5,0	
250	10	330	40	40	26	36/26**	35	35	192	312	180/190*	260	41	2,4	13,0	
300	12	380	45	45	32	43/32**	43	43	227	363	215/220*	309	41	3,5	23,0	
350	14	440	49	49	38	47/38**	48	48	266	416	245/250*	341	54	5,1	33,5	
400	16	491	65	65	44	53/44**	-	-	310	467	285/290*	392	55	7,3	52,0	
450	18	541	68	78	52	-	-	-	350	520	330	443	58	-	-	
500	20	596	78	87	58	68/58**	-	-	400	550	385/390*	493	60	-	94,0	
600	24	698	97	97	62	-			486	659/660*	470	595	70	-	-	

*metallic version

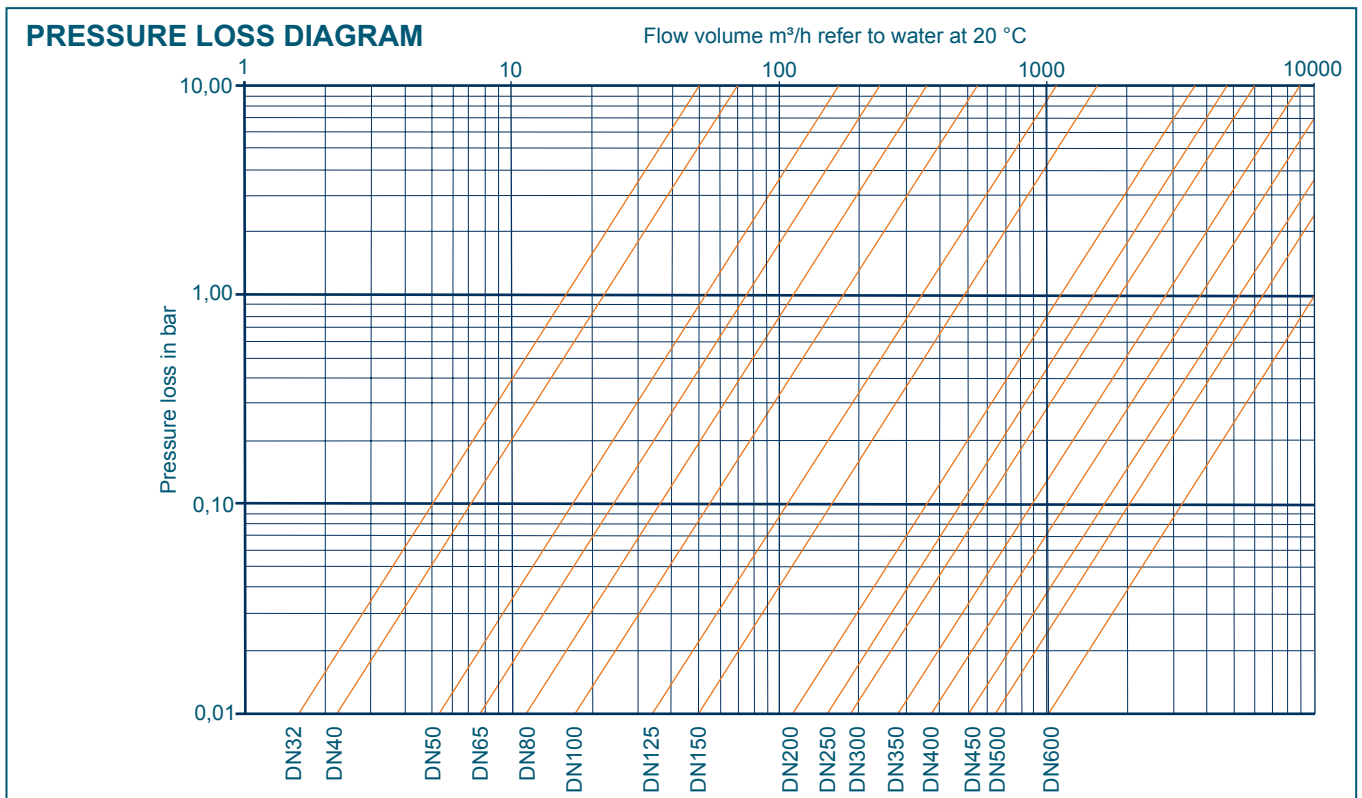
**versions with aluminum bronze body

Type	RSK 1	RSK 1.1	RSK 3	RSK 4	RSK 5	RSK 6	RSK 6.1
Body	Aluminium	Aluminium	1.4301	PVC	PP	1.4408	1.4571
Disc	1.4408	1.4571	1.4408	PVC	PP	1.4408	1.4571

Type	RSK 8	RSK 13	RSK 19	RSK 19.1	RSK 19.2
Body	PVDF	Hastelloy C4	Aluminum bronze 2.0975	Aluminum bronze 2.0975	Aluminum bronze 2.0975
Disc	PVDF	Hastelloy C4	Aluminum bronze 2.0975	1.4571	1.4408

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MIN. OPENING PRESSURE [mbar]

DN [mm]	Size [in]	K _V -values m³/h	PVC	PP	PVDF	Metal version				
			*without spring vert.*** mbar	K _V -values m³/h	without spring hor.**	with spring hor.**	without spring vert.*** mbar	with spring vert.***		
32	1¼	16,2	1	1	2	16,2	2	15	10	25
40	1½	22,2	1	1	2	22,2	2	15	10	25
50	2	54	2	1	2	54	2	15	10	25
65	2½	75	2	1	2	75	2	15	10	25
80	3	112	2	1	2	112	2	15	10	25
100	4	172	2	1	2	172	2	15	10	25
125	5	342	2	1	2	342	2	15	10	25
150	6	490	2	1	3	490	2	15	10	25
200	8	1128	2	2	3	1128	4	17	14	25
250	10	1500	3	2	3	1500	4	17	14	25
300	12	1914	3	2	3	2290	4	17	14	25
350	14	2800	3	3	4	2890	6	18	18	27
400	16	3700	4	3	4	3700	6	18	18	28
450	18	-	-	-	-	5000	6	18	18	28
500	20	6450	4	4	4	6550	6	18	24	34
600	24	-	-	-	-	9500	6	18	26	36

* The opening pressure with spring is about 20 mbar higher (Plastic version)

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** horizontal flow

*** vertical flow

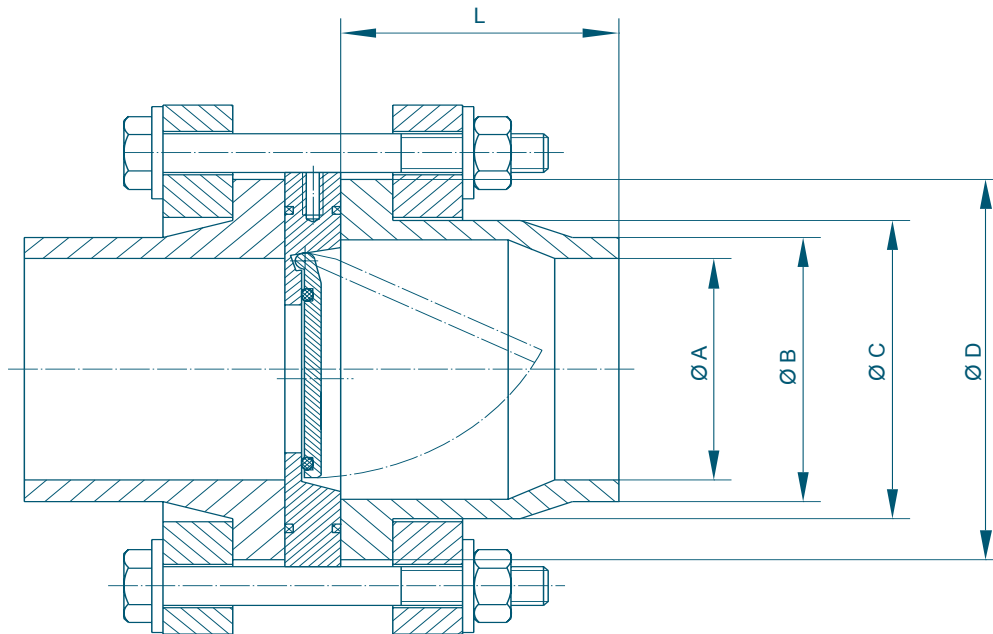
TIGHTNESS

A minimum back pressure of 0,3 bar is required to keep the swingcheck valves tight.

INSTALLATION

Installing the check valve on top of a pump please ensure that neither the valve is mounted directly on the pump flange or the following bend a smoothing section of less than $5 \times DN$ is observed.

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Bend sleeve for RSK (PN 6 and PN10)

DN [mm]	Size [in]	Dimensions [mm]					
		A PN 6	A PN10	B	C	D	L
32	1¼	35	32	40	50	80	65
40	1½	43	41	50	61	90	68
50	2	54	51	63	77	105	74
65	2½	66	61	75	91	125	78
80	3	79	73	90	109	140	87
100	4	97/110	90/102	110	132	160	102
125	5	124	114	140	166	190	125
150	6	141/158	130/147	160/180	189	215	150
200	8	177/199	163/184	200/225	249	270	200
250	10	221/248	204/229	250/280	293	325	225
300	12	280	257	315	337	375	255
350	14	314	290	355	375	435	285
400	16	354	327	400	429	486	325

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