

DESCRIPTION

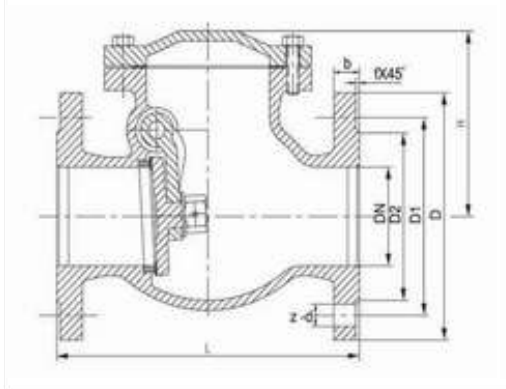
- Working temperature: Brass seal ring 200°C
Rubber seal ring 80°C**
- Flange dimensions: DIN2533**
- Face to face dimensions: DIN 3202 F6**
- If special request, the valve can be with external Lever and counter Weight (L.W.)**
- Dn450 & large size are only ductile iron body & bonnet
Dn700 & large size are with 2 discs & door**



MATERIALS LIST

PART	MATERIAL
BODY & BONNET	CAST IRON
SEAT DISC	BRASS
HANGER HANGER	C.I. W/BRASS OR RUBBER RING
PIN	DUCTILE IRON
	CARBON STEEL/SS

DIMENSION (MM)



DN (mm)	L	D	D1	D2	b	f	Z-d	H
40	180	150	110	88	18	3	4-19	114
50	200	165	125	102	20	3	4-19	127
65	240	185	145	122	20	3	4-19	137
80	260	200	160	138	22	3	8-19	150
100	300	220	180	158	22	3	8-19	164
125	350	250	210	184	24	3	8-19	185
150	400	285	240	212	24	3	8-19	205
200	500	340	295	268	26	3	12-28	249
250	600	405	355	320	28	3	12-28	305
300	700	460	410	370	28	4	12-28	333
350	800	520	470	430	30	4	16-28	378
400	900	580	525	490	28	4	16-30	405
450	1000	640	585	550	30	4	20-30	512
500	1100	715	650	610	31.5	4	20-33	525
600	1300	840	770	725	36	5	20-37	608
700	1500	910	840	793	39.5	5	24-37	
800	1700	1025	950	900	43	5	24-40	
900	1900	1125	1050	1000	46.5	5	28-40	
1000	2100	1255	1170	1115	50	5	28-43	

MATERIALS LIST

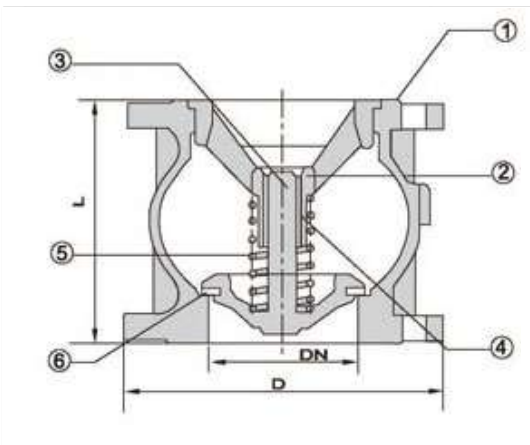
NO.	PART	MATERIAL
1	BODY	CAST IRON GG25
2	GUIDE	DUCTILE IRON GGG40 OR BRASS
3	GUIDING STEM	SS GGG40 OR BRASS
4	BUSHING	BRASS/PTFE
5	SPRING	STAINLESS STEEL 304/316
6	SEAL	NBR/EPDM/VITON

2*: ONLY 2", 2 1/2", 3", 4" CAN BE BRASS



DIMENSION (MM)

DN (mm)	L	D	D1	D2	H
50	100	165	156	111	80
65	120	185	176	131	100
80	140	200	192	148	120
100	170	220	212	168	150
125	200	250	242	198	175
150	230	285	276	222	200
200	300	340	332	278	250
250	370	405	385	329	300
300	410	460	445	384	350





DESCRIPTION

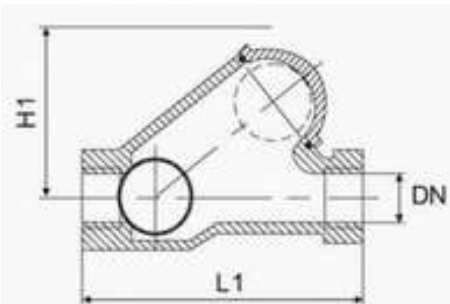
1. Silent closign, no water hammer
2. Full bore flow, large flow, small resistance
3. Loss of water head is 50% lower than swing check valves
4. Installation: horizontal or vertical
5. Working temperature: -10°C - +80°C
6. Medium: water, sewage heavy thick and viscous liquid

MATERIALS LIST

NO.	PART	MAT E R I A L
1	BODY	GG25/GGG40 METAL+RUBBER
2	BALL	NBR/EPDM GG25/GGG40 SS SS
3	COVER	NBR/EPDM NBR/EPDM
4	BOLT	
5 6	ORING 7	
	O-RING	

DIMENSION (MM)

SIZE	1"	1 - 1 1/4"	1 1/2"	2"	2 1/2"	3"
L1 (mm)	125	132	145	174	200	243
H1 (mm)	75	75	85	116	116	160



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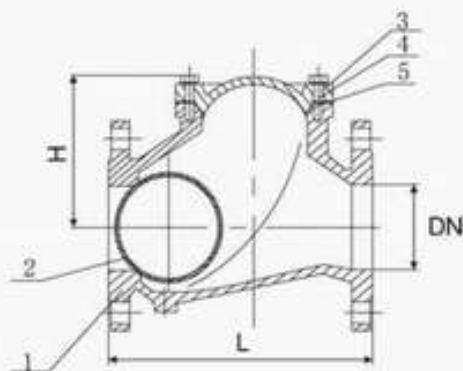
MATERIALS LIST

NO.	PART	MATERIAL
1	BODY	GG25/GGG40 METAL+RUBBER
2	BALL	NBR/EPDM GG25/GGG40 SS SS
3	COVER	NBR/EPDM NBR/EPDM
4	BOLT	
5	6 O-RING 7	
	O-RING	

DIMENSION - FLANGED END (MM)

DN		50	65	80	100	125	150	200	250	300	350	400	500
L1 (mm)	3202 F6	200	240	260	300	350	400	500	600	700	800	900	1100
	ASME B16.10	203	216	241	292	330	356	495	622	698	787		
»H (mm)		106	129	146	194	207	240	322	388	458	620	705	765

FLANGES CAN BE AS DIN2501, Bs4504, ANSI CL 125, etc...



DESCRIPTION

1. Available medium: water, steam
2. Working temperature: 200°C
3. Flange dimensions: DIN2533
4. Face to face dimensions: DIN3202 F1

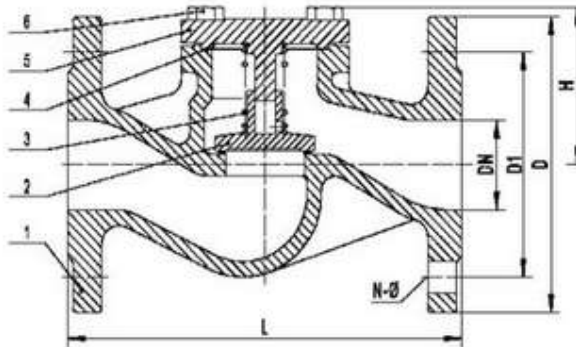


MATERIALS LIST

PART	MATERIAL
BODY	GREY CAST IRON / GG25
BONNET	GREY CAST IRON / GG25
DISC	SS / CAST BRASS SS /
SEAT RING	CAST BRASS

DIMENSION (MM)

DN (mm)	L	D	D1	D2	b	n-d	f	H	KGS
20	150	105	75	55	16	4-14	2	73	3.3
25	160	115	85	65	16	4-14	2	75	3.9
32	180	140	100	78	18	4-18	2	84	6.3
40	200	150	110	88	18	4-18	3	95	7.8
50	230	165	125	102	20	4-18	3	109	11.1
65	290	185	145	122	20	4-18	3	129	15.5
80	310	200	160	138	22	8-18	3	153	26.3
100	350	220	180	158	24	8-18	3	170	44.9
125	400	250	210	188	26	8-18	3	200	51.2
150	480	285	240	212	28	8-23	3	235	77.8
200	600	340	295	268	30	12-23	3	398	132.6
250	730	405	355	320	32	12-27	3	485	189.6



PERFORMANCE ADVANGATE

1. Lift check valve is an automatic seal valve, the valve open/close relies on the flow of fluid. Effectively prevent media from flowing backwards.
2. The disc with S.S. spring can keep the valve work in any direction
3. Reasonable product structure, reliable sealing and long service life.

TECHNICAL SPECIFICATION

Design standard: DIN EN 13709:2003

Face to face dimension: DIN EN 558-1:1995

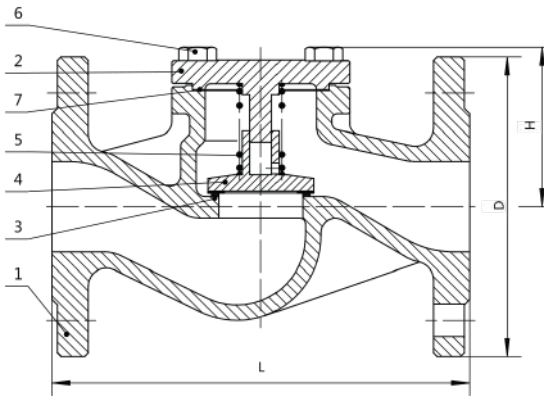
Flanged ends: DIN EN 1092-1:2002

Welded ends: DIN EN 12627

Test & inspection: DIN EN 12266:2003

APPLICATION

Thermal oil system, steam system,
hot and cold water system etc...



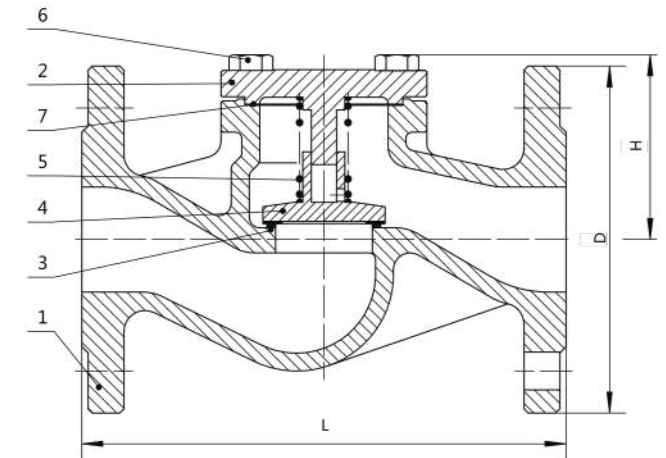
PRODUCT PARTS AND MATERIALS

NO.	PART	MATERIAL		
1	BODY	G S -C 25/1 .061 9+	CF 8/1 .4301 C	CF 8/1 .4408 C
2	BONNET	Cr G S -C 25/1 .061	F 8 /1 .4301	F 8 /1 .4408
3	SEAT	9+ Cr OVERLAY 13Cr	SS304 SS304	SS316 SS316
4	DISC SURFACE	OVERLAY 13Cr	SS304 A193 B8	SS316 A193
5	SPRING	SS304 A193 B7	GRAPHITE+SS	B8M
6	BOLT	GRAPHITE+SS		GRAPHITE+SS
7	GASKET			

MAIN DIMENSION (MM)

Fig.VK411/412/413 PN16/PN25/PN40

Size DN		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW		130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
H		69	70	75	78	85	90	110	125	150	185	285	340	400	445	490	595
Weight (Kg)	PN16	2.8	3.5	4.2	5.5	7.5	9.5	13	17.5	29	40	60	116	210	300	430	670
	PN25	2.8	3.5	4.2	5.5	7.5	9.5	14	19	32	48	73	128	240	320	480	700
	PN40	2.8	3.5	4.2	5.5	7.5	9.5	14	20	33	48	73	135	250	340	500	720
.YVPK		3.9	6.9	11	17.6	28	43	71	112	174	267	380	670	1060	1514	2060	2690



DESCRIPTION

SUITABLE TEMPERATURE °C	NBR: -10 - +80 °C
	EPDM: -10 - +120 °C
	VITON: -10 - +150 °C
MEDIUM	FRESH WATER, SEA WATER, WASTE WATER, FOOD STUFF
	STEAM, OIL, WEAK ACID & ALCALINE LIQUID, etc...

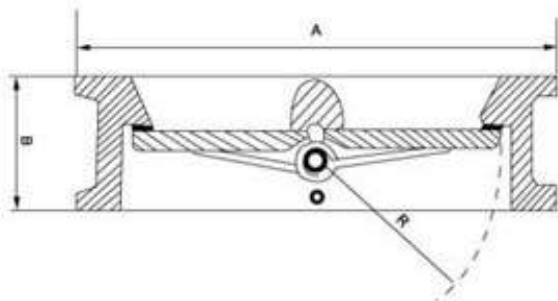
MATERIALS LIST

PART	MATERIAL
BODY*	CAST IRON
	DUCTILE IRON
	STAINLESS STEEL
	STEEL STAINLESS
DISC	STEEL AL. BRONZE
	CARBON STEEL
	RUBBER
SEAT GASKET	STAINLESS STEEL
AXLE	STAINLESS STEEL
SPRING	TEFLON
WASHER	

DIMENSION (MM)

DN	A			B (EN558-1)		R	CV
	DIN2501 PN 16/PN 25	TABLE D	ANSI 125/150	SERIES 16	SERIES 50		
50	109/109	98	4-1/8"	43	54(2-1/8")	28.28	80
65	129/129	111	4-7/8"	46	54(2-1/8")	36.1	90
80	144/144	130	5-3/8"	64	57(2-1/4")	43.4	150
100	164/170	162	6-7/8"	64	64(2-1/2")	52.8	300
125	194/196	194	7-3/4"	70	70(2-3/4")	65.7	500
150	220/226	219	8-3/4"	76	76(3")	78.6	900
200	275/286	276	11"	89	95(3-3/4")	104.4	1700
250	330/343	337	13-3/8"	114	108(4-1/4")	127	3000
300	380/403	387	16-1/8"	114	143(5-5/8")	147	4000
350	438/446	448	17-3/4"	127	184(7-1/4")	172.4	5350
400	489/498	499	20-1/4"	140	191(7-1/2")	197.4	7400
450	532/550	562	21-5/8"	152	203(8")	217.8	10000
500	585/610	619	23-7/8"	152	213(8-3/8")	241	13000
600	690/720	731	28-1/4"	178	222(8-3/4")	295.4	24000

* DN 350 - DN 600 ONLY FOR PN10/PN16



MATERIALS LIST

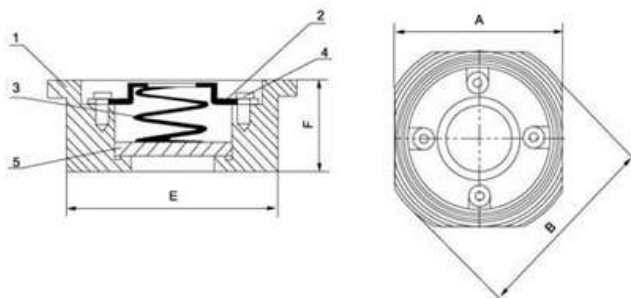
NO.	PART	MATERIAL
1	BODY SPRING	CF8M/WCB
2	COVER SPRING	316SS/CARBON STEEL
3	COVER BOLTS	31 6S S 31 6S S
4	DISC	CF8M/WCB
5		

NORMAL PRESSURE	PN25	PN40
SHEEL TEST PRESSURE	3.75 MPa	6.0Mpa
SEAL TEST PRESSURE	2.75 MPa	4.4Mpa



DIMENSION (MM)

DN	A	B	E	F
15	45	53	43	16
20	55	63	53	19
25	65	73	63	22
32	78	84	75	28
40	88	94	86	31.5
50	98	109	95	40
65	118	129	115	46
80	134	144	131	50
100	154	170	151	60
125		194		90
150		224		106
200		286		140



MATERIALS LIST

PART	TYPE A	TYPE B
BODY	*STEEL	31 6S S
DISC	*STEEL	31 6S S
SEAT RING	NBR/EPDM	VITON
FLANGE RING	NBR/EPDM	VITON

***STEEL IS GALVANIZED OR CHROME PLATED**

DESCRIPTION

1. Design and manufacture: **API6D**
2. Face to face : **API6D**
3. Test and check: **API598**
4. Suitable temperature: **NBR: -10- +80°C**
EPDM: -10- +120°C
VITON: -10- +120°C
5. Medium: Fresh water, sea water, waste water, food stuff, all kinds of oil, weak acid and alkaline liquid, etc...



DIMENSION (MM)

DN	D			P	L	
	PN16	TABLE D	ANSI 125/150		PN 16	ANSI 150
40	92	85	82	22	14	19
50	107	96	104	32	14	19
65	127	109	124	40	14	19
80	142	128	136	54	14	19
100	162	160	174	70	18	19
125	192	191	196	92	18	19
150	218	217	222	114	20	19
200	273	274	279	154	22	29
250	329	333	340	200	26	29
300	384	384	410	235	28	38
350	444	445	451	280	38	44
400	491	496	514	316	44	51
450	550	555	546	360	50	60
500	610	610	603	405	56	64
600	724	720	714	486	62	70

