

# Cast Steel Swing Check Valve to DIN PN16-F6, DN50~DN600

## Series SCF-PN16-F6

### Features

- Suitable for a wide range of industry and media
- Precision, high quality investment castings
- Suitable for both horizontal and vertical installation
- Bolted cover; robust construction
- EN10204-3.1 Material certificate available

PMA: 16 barg@50°C

TMA: 450°C

Selection:

Material of Body:  
DIN 17245 GS-C25

### Standards

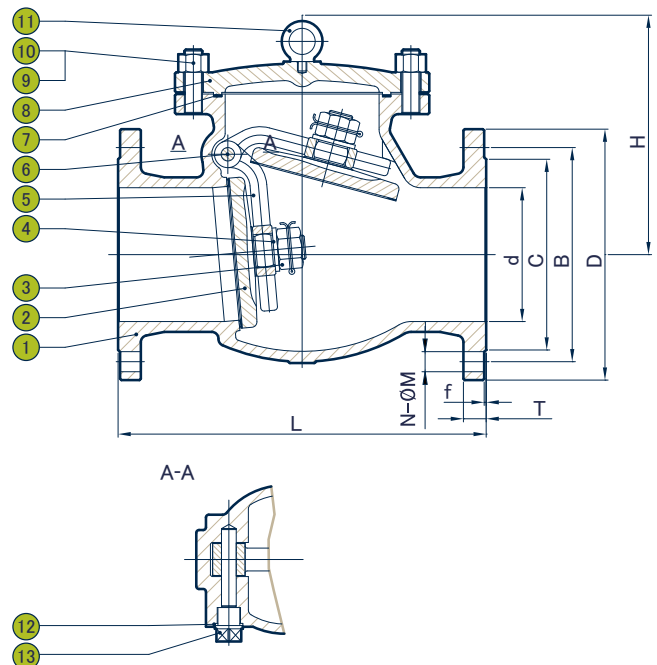
- Basic design to DIN 3840
- Face-to-face acc. to DIN 3202-F6
- End flange dimension acc. to EN 1092-1
- Inspection & test acc. to API 598, EN 12266-1

### Limitation

- If installed in a vertical position, the direction of flow must be in an up-flow direction
- If installed in a horizontal position, the valve must be installed with the cover oriented to the top

Materials List		
No.	PARTS NAME	MATERIALS
1	BODY	DIN 17245 GS-C25 + 13Cr
2	DISC	DIN 17245 GS-C25 + 13Cr
3	DISC NUT	ASTM A194 2H
4	DISC WASHER	AISI 1025
5	HINGE	DIN 17245 GS-C25
6	HINGE PIN	ASTM A276 410
7	BONNET GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	DIN 17245 GS-C25
9	BONNET NUT	ASTM A194 2H
10	BONNET BOLT	ASTM A193 B7
11	HOOK SCREW	CARBON STEEL
12	GASKET	COOPER ALLOY
13	DRAIN PLUG	CARBON STEEL

\* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.



1

DIE ERSTE reserves the right to change product design and specifications without notice. Copyright © 2020 by DIE ERSTE INDUSTRY CO., LTD.

### Dimensions (mm)

Size		d	D	B	C	L	H	T	f	N	M	Weight kg
DN	IN											
50	2"	50	165	125	102	200	150	18	3	4	18	17
65	2½"	65	185	145	122	240	168	18	3	4	18	22
80	3"	80	200	160	138	260	180	20	3	8	18	30.5
100	4"	100	220	180	158	300	210	20	3	8	18	38
125	5"	125	250	210	188	350	230	22	3	8	18	53
150	6"	150	285	240	212	400	275	22	3	8	22	75.5

Size		d	D	B	C	L	H	T	f	N	M	Weight kg
DN	IN											
200	8"	200	340	295	268	500	340	24	3	12	22	119
250	10"	250	405	355	320	600	355	26	3	12	26	205
300	12"	300	460	410	378	700	410	28	4	12	26	262
350	14"	350	520	470	438	800	475	30	4	16	26	440
400	16"	400	580	525	490	900	552	32	4	16	30	550
500	20"	500	715	650	610	1100	660	36	4	20	33	-
600	24"	600	840	770	725	1300	740	40	5	20	36	-

Note: Torque measured at ambient temperature with no loading ; safety factor is not included.