

Cast Steel Swing Check Valve to ANSI CLASS 150, 2"~4"

Series SCF-CL150

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: 285 psi@34°F

TMA: 842°F

Selection:

Material of Body:
ASTM A216 WCB

Standards

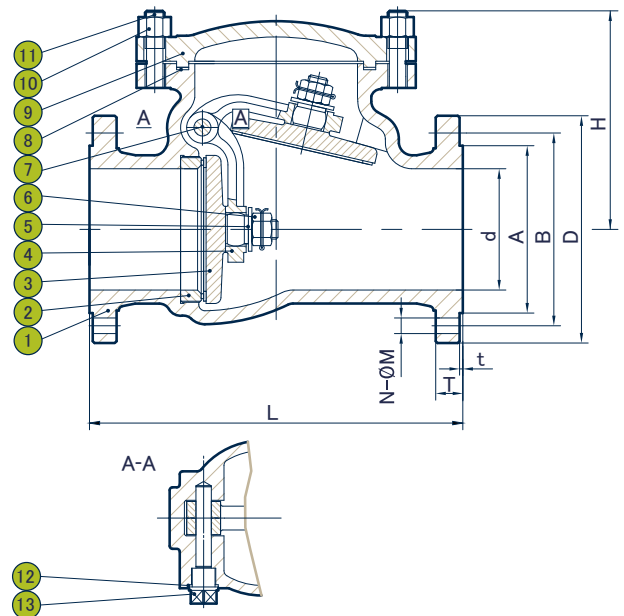
- Basic design to API6D
- Face-to-face acc. to B16.10
- End flange dimension acc. to B16.5

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 | ASTM A216 WCB |
| 2 | SEAT RING | ASTM A105+13Cr |
| 3 | DISC | ASTM A216 WCB+13Cr |
| 4 | HINGE | ASTM A216 WCB |
| 5 | DISC WASHER | AISI 1025 |
| 6 | DISC NUT | ASTM A194 2H |
| 7 | HINGE PIN | ASTM A276 410 |
| 8 | GASKET | SS304+Flexible Graphite |
| 9 | COVER | ASTM A216 WCB |
| 10 | NUT | ASTM A194 2H |
| 11 | BOLT | ASTM A193 B7 |
| 12 | GASKET | COPPER ALLOYS |
| 13 | DRAIN PLUG | CARBON STEEL |

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



Dimensions (mm)

| Size | | d | L | H | T | t | A | B | D | N-ØM | Weight kg |
|------|-----|-----|-----|-----|----|-----|-----|-------|-----|-------|--------------|
| IN | DN | | | | | | | | | | |
| 2" | 50 | 49 | 203 | 133 | 16 | 1.6 | 92 | 120.5 | 152 | 4-Ø19 | 14 |
| 2½" | 65 | 62 | 216 | 148 | 18 | 1.6 | 105 | 139.5 | 178 | 4-Ø19 | 20 |
| 3" | 80 | 74 | 241 | 160 | 19 | 1.6 | 127 | 152.5 | 190 | 4-Ø19 | 25 |
| 4" | 100 | 100 | 295 | 187 | 24 | 1.6 | 157 | 190.5 | 229 | 8-Ø19 | 42 |

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

Cast Steel Swing Check Valve to ANSI CLASS 150, 6"~24"

Series SCF-CL150

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: 285 psi@34°F

TMA: 842°F

Selection:

Material of Body:
ASTM A216 WCB

Standards

- Basic design to API6D
- Face-to-face acc. to B16.10
- End flange dimension acc. to B16.5

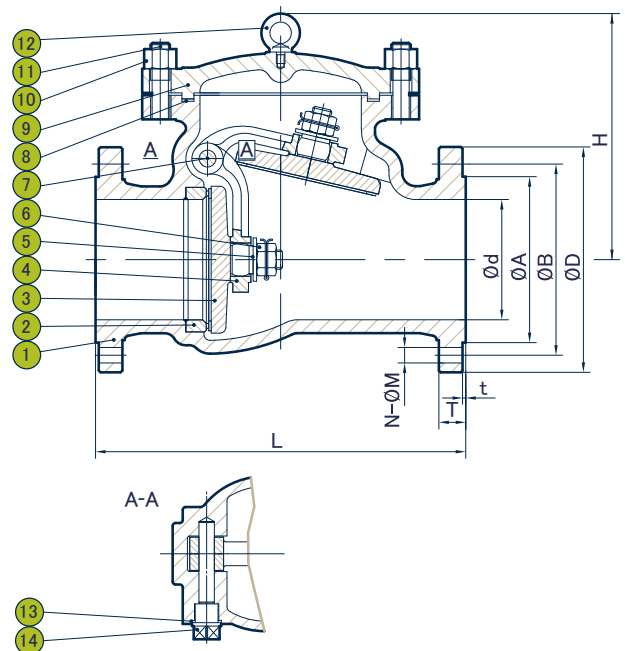
Limitation

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

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| Materials List | | |
|----------------|-------------|-------------------------|
| No. | PARTS NAME | MATERIALS |
| 1 | BODY | ASTM A216 WCB |
| 2 | SEAT RING | ASTM A105+13Cr |
| 3 | DISC | ASTM A216 WCB+13Cr |
| 4 | HINGE | ASTM A216 WCB |
| 5 | DISC WASHER | AISI 1025 |
| 6 | DISC NUT | ASTM A194 2H |
| 7 | HINGE PIN | ASTM A276 410 |
| 8 | GASKET | SS304+Flexible Graphite |
| 9 | COVER | ASTM A216 WCB |
| 10 | NUT | ASTM A194 2H |
| 11 | BOLT | ASTM A193 B7 |
| 12 | HOOK SCREW | CARBON STEEL |
| 13 | GASKET | COPPER ALLOYS |
| 14 | DRAIN PLUG | CARBON STEEL |

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



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Dimensions (mm)

| Size | | d | L | H | T | t | A | B | D | N-ØM | Weight kg |
|------|-----|-----|------|-----|----|-----|-----|-------|-----|--------|-----------|
| IN | DN | | | | | | | | | | |
| 6" | 150 | 150 | 356 | 275 | 26 | 1.6 | 216 | 241.5 | 279 | 8-Ø22 | 66 |
| 8" | 200 | 201 | 495 | 340 | 29 | 1.6 | 270 | 298.5 | 343 | 8-Ø22 | 126 |
| 10" | 250 | 252 | 622 | 355 | 31 | 1.6 | 324 | 362 | 406 | 12-Ø25 | 195 |
| 12" | 300 | 303 | 698 | 410 | 32 | 1.6 | 381 | 432 | 483 | 12-Ø25 | 300 |
| 14" | 350 | 334 | 787 | 475 | 35 | 1.6 | 413 | 476 | 533 | 12-Ø29 | 440 |
| 16" | 400 | 385 | 864 | 552 | 37 | 1.6 | 470 | 540 | 597 | 16-Ø29 | 550 |
| 18" | 450 | 436 | 978 | 600 | 40 | 1.6 | 533 | 578 | 635 | 16-Ø32 | 720 |
| 20" | 500 | 487 | 978 | 660 | 43 | 1.6 | 584 | 635 | 699 | 20-Ø32 | - |
| 24" | 600 | 589 | 1295 | 740 | 48 | 1.6 | 692 | 749.5 | 813 | 20-Ø35 | - |

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