

API 6D FLANGED END SWING CHECK VALVE

Model : Series SCF Class 600, NPS 2" ~ 3"

• Features:

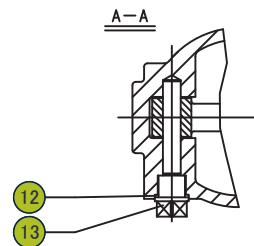
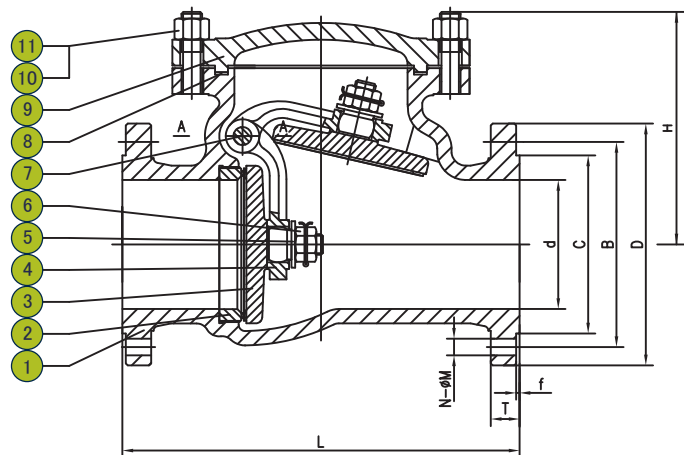
- Cast steel body construction providing liberal strength to meet most conditions
- Effectively prevents reversal of flow through pipe lines.
- Bolted bonnet; robust construction.
- Available in Flanged end connection; butt weld ends may be available.
- 100% tested according to API 598.
- Not recommended for vertical installation.

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 6D
- Testing to API 598

MATERIALS LIST:

| NO. | PART NAME | MATERIAL |
|-----|---------------|-------------------------|
| 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 | BONNET GASKET | SS304+FLEXIBLE GRAPHITE |
| 9 | BONNET | ASTM A216 WCB |
| 10 | BONNET NUT | ASTM A194 2H |
| 11 | BONNET BOLT | ASTM A193 B7 |
| 12 | GASKET | COOPER ALLOY |
| 13 | DRAIN PLUG | CARBON STEEL |



Dimensions (mm):

| SIZE | d | D | B | C | L | H | T | f | N | M |
|-----------|----|-----|-----|-----|-----|-----|----|-----|---|----|
| in DN | | | | | | | | | | |
| 2" 50 | 49 | 165 | 127 | 92 | 292 | 155 | 26 | 6.4 | 8 | 19 |
| 2-1/2" 65 | 62 | 190 | 149 | 105 | 330 | 178 | 29 | 6.4 | 8 | 22 |
| 3" 80 | 74 | 210 | 168 | 127 | 356 | 200 | 32 | 6.4 | 8 | 22 |

API 6D FLANGED END SWING CHECK VALVE

Model : Series SCF Class 600, NPS 4" ~ 24"

• Features:

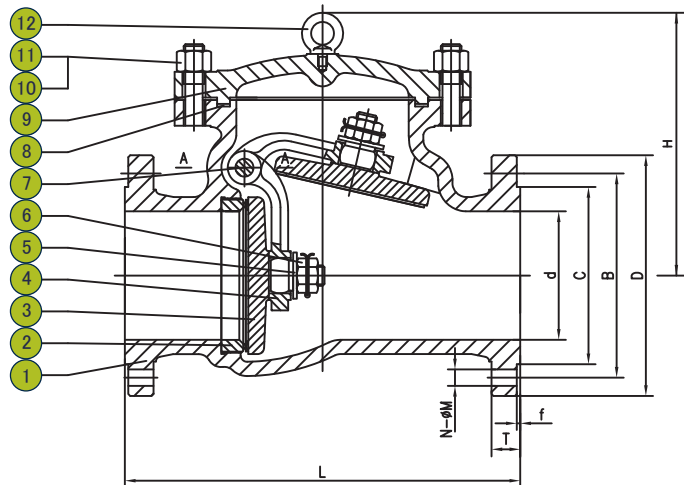
- Cast steel body construction providing liberal strength to meet most conditions
- Effectively prevents reversal of flow through pipe lines.
- Bolted bonnet; robust construction.
- Available in Flanged end connection; butt weld ends may be available.
- 100% tested according to API 598.
- Not recommended for vertical installation.

• Standards

- Design to ASME B16.34
- Face-to-Face/End-to-End: ASME B16.10
- Flange Dimensions: ASME B16.5
- Weld End: ASME B.16.25
- Basic Design: API 6D
- Testing to API 598

MATERIALS LIST:

| NO. | PART NAME | MATERIAL |
|-----|---------------|-------------------------|
| 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 | BONNET GASKET | SS304+FLEXIBLE GRAPHITE |
| 9 | BONNET | ASTM A216 WCB |
| 10 | BONNET NUT | ASTM A194 2H |
| 11 | BONNET BOLT | ASTM A193 B7 |
| 12 | HOOK SCREW | CARBON STEEL |
| 13 | GASKET | COOPER ALLOY |
| 14 | DRAIN PLUG | CARBON STEEL |



Dimensions (mm):

| SIZE | d | D | B | C | L | H | T | f | N | M | |
|------|-----|-----|-----|-----|-----|------|-----|-----|-----|----|----|
| 4" | 100 | 102 | 273 | 216 | 157 | 432 | 280 | 38 | 6.4 | 8 | 25 |
| 6" | 150 | 150 | 356 | 292 | 216 | 559 | 362 | 48 | 6.4 | 12 | 29 |
| 8" | 200 | 201 | 419 | 349 | 270 | 660 | 437 | 56 | 6.4 | 12 | 32 |
| 10" | 250 | 252 | 508 | 432 | 324 | 787 | 490 | 64 | 6.4 | 16 | 35 |
| 12" | 300 | 303 | 559 | 489 | 381 | 838 | 528 | 67 | 6.4 | 20 | 38 |
| 14" | 350 | 334 | 603 | 527 | 413 | 838 | 520 | 70 | 6.4 | 20 | 38 |
| 16" | 400 | 385 | 686 | 603 | 470 | 864 | 554 | 77 | 6.4 | 20 | 41 |
| 18" | 450 | 436 | 743 | 654 | 533 | 978 | 620 | 83 | 6.4 | 20 | 44 |
| 20" | 500 | 487 | 813 | 724 | 584 | 1016 | 680 | 89 | 6.4 | 24 | 44 |
| 24" | 600 | 589 | 940 | 838 | 692 | 1346 | 770 | 102 | 6.4 | 24 | 51 |

