# Check Valves

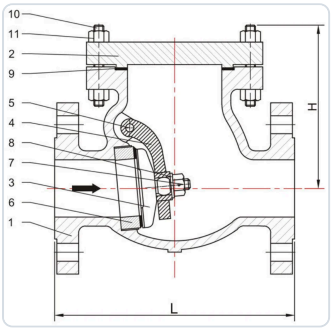
BACKFLOW PREVENTION

Check valves, also called non-return valves, allow flow in one direction and close automatically when flow stops or reverses. They need no handwheel or actuator: the flowing fluid opens them, and reverse flow or gravity closes them. UTC VALVES manufactures and supplies check valves to protect pumps, compressors and process equipment from backflow.

## Cast steel swing check valve




| | |
|---|---|
| Body material | WCB / WC6 / LCB / CF8 / CF8M / CF3 / CF3M etc. |
| Pressure rating | Class 150 to 2500 |
| Design standard | BS 1868 / ASME B16.34 / API 6D |
| Inspection & testing | API 598 / API 6D / BS EN 12266-1 |
| End connection | Flanged / butt weld / RTJ |
| Size range | 2" to 20" |
| Options | Bypass, floor stand |
| Dimensions | Face-to-face ASME B16.10; flanges ASME B16.5; butt-weld ends ASME B16.25 |




Weights and dimensions are for reference only. Final data is confirmed in the quotation and approved drawings.

### Dimensions & technical details (mm)

| Parameter | Class | 2" | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Face to face (L) | 150# | 203 | 241 | 292 | 356 | 406 | 495 | 622 | 698 | 787 | 914 | 978 | 978 |
| | 300# | 267 | 318 | 355 | 400 | 444 | 533 | 622 | 711 | 838 | 864 | 978 | 1016 |
| | 600# | 292 | 355 | 431 | 508 | 558 | 660 | 787 | 838 | 889 | 991 | 1092 | 1194 |
| | 900# | 368 | 381 | 457 | 559 | 610 | 737 | 838 | 965 | 1029 | 1130 | 1219 | 1321 |
| | 1500# | 368 | 470 | 546 | 673 | 705 | 832 | 991 | 1130 | 1257 | 1384 | 1537 | 1664 |
| Height (H) approx. | 150# | 155 | 200 | 225 | 245 | 260 | 305 | 390 | 410 | 435 | 530 | 570 | 625 |
| | 300# | 180 | 225 | 240 | 275 | 310 | 370 | 410 | 440 | 500 | 545 | 605 | 675 |
| | 600# | 190 | 250 | 260 | 310 | 350 | 420 | 490 | 525 | 580 | 630 | 690 | 810 |
| | 900# | 195 | 260 | 275 | 320 | 370 | 435 | 520 | 530 | 580 | 660 | 782 | 935 |
| | 1500# | 220 | 290 | 310 | 350 | 410 | 485 | 530 | 590 | 620 | 790 | 950 | 1150 |
| Weight (kg) approx. | 150# | 15 | 33 | 45 | 77 | 90 | 118 | 220 | 340 | 470 | 575 | 790 | 920 |
| | 300# | 28 | 55 | 72 | 108 | 158 | 232 | 350 | 449 | 645 | 800 | 972 | 1352 |
| | 600# | 33 | 55 | 90 | 120 | 210 | 320 | 550 | 790 | 950 | 1240 | 1814 | 2267 |
| | 900# | 55 | 90 | 135 | 165 | 295 | 525 | 900 | 1075 | 1225 | 1425 | 1900 | 2510 |
| | 1500# | 70 | 115 | 175 | 180 | 370 | 680 | 1050 | 1180 | 1325 | 1530 | 2040 | 2670 |

### Material list

| No. | Part | Material (ASTM specification) |
|---|---|---|
| 1 | Body | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 2 | Cover | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 3 | Disc | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 4 | Hinge | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 5 | Hinge pin | SS 410 / SS 304 / SS 304L / SS 316L |
| 6 | Seat ring | F6a / A105 / LF2 / SS 316 / SS 304 / F51 |
| 7 | Disc nut | Carbon Steel / Stainless Steel |
| 8 | Washer | Carbon Steel / Stainless Steel |
| 9 | Gasket | Spiral Wound SS 316 + Graphoil |
| 10 | Cover stud | B7 / B7M / B8M / B8 / L7 |
| 11 | Cover nut | 2H / 8 / 8M / 7 |

# UTC VALVES

**Engineered for Flow. Built for Reliability.**

## Send us your enquiry

Share the valve type, size, pressure class, materials, end connections, quantity and any project specification or drawing. Our team reviews every enquiry and responds with availability and a quotation.


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