

# CAST STEEL DUAL-PLATE WAFER TYPE SWING CHECK VALVE CLASS 150, 2"~66"

**Series DPC**

## Features

- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to conventional check valves

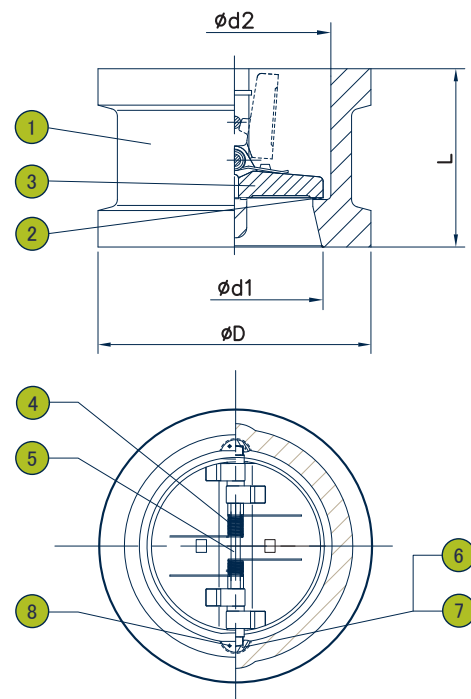
## Standards

- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598

PMA: 285 psi@34°F  
TMA: 176°F for Soft seat  
572°F for Metal seat

**Selection:**

**Material of Body:**  
CF8M / WCB / CF8 / CF3



| Materials List |                         |                                                        |
|----------------|-------------------------|--------------------------------------------------------|
| No.            | PARTS NAME              | MATERIALS                                              |
| 1              | BODY                    | CF8M / WCB / CF8 / CF3                                 |
| 2              | SEALING                 | VITON / BUNA-N / CF8M / CF8<br>CF3 / EPDM / 13Cr / STL |
| 3              | DISC                    | CF8M / WCB / CF8 / CF3                                 |
| 4              | SPRING                  | INCONEL-X750                                           |
| 5              | HINGE PIN               | F316 / F304 / F304L                                    |
| 6              | SPLIT RING              | F316 / F304 / F304L                                    |
| 7              | SPLIT POSITIONING BLOCK | F316 / F304 / F304L                                    |
| 8              | POSITIONING SCREW       | F316 / F304 / F304L / 1035                             |

\* Enclosed is a condensed table. For complete options, contact PVS FLOW CONTROL directly.

ASME B16.5 Dimensions (mm)

| Size    | D   | L   | d1  | d2  | Weight<br>kg |
|---------|-----|-----|-----|-----|--------------|
| DN IN   |     |     |     |     |              |
| 50 2"   | 103 | 60  | 51  | 58  | 2.5          |
| 65 2½"  | 122 | 67  | 65  | 73  | 3            |
| 80 3"   | 135 | 73  | 80  | 88  | 4            |
| 100 4"  | 173 | 73  | 102 | 108 | 6            |
| 125 5"  | 195 | 86  | 127 | 132 | 8            |
| 150 6"  | 220 | 98  | 152 | 160 | 13           |
| 200 8"  | 277 | 127 | 203 | 210 | 25           |
| 250 10" | 337 | 146 | 254 | 266 | 39           |
| 300 12" | 407 | 181 | 305 | 310 | 54           |
| 350 14" | 448 | 184 | 350 | 355 | 80           |
| 400 16" | 512 | 191 | 400 | 405 | 117          |
| 450 18" | 547 | 203 | 450 | 455 | 138          |
| 500 20" | 604 | 219 | 500 | 505 | 163          |
| 600 24" | 715 | 222 | 600 | 605 | 331          |

ASME B16.47B Dimensions (mm)

| Size     | ASME B16.47 B |     |      |      |              |  | ASME B16.47 A |     |      |      |              |
|----------|---------------|-----|------|------|--------------|--|---------------|-----|------|------|--------------|
| DN IN    | D             | L   | d1   | d2   | Weight<br>kg |  | D             | L   | d1   | d2   | Weight<br>kg |
| 650 26"  | 722           | 222 | 630  | 650  | 360          |  | 770           | 222 | 633  | 650  | 380          |
| 700 28"  | 773           | 305 | 700  | 700  | 380          |  | 827           | 305 | 700  | 700  | 400          |
| 750 30"  | 824           | 305 | 746  | 750  | 425          |  | 878           | 305 | 746  | 750  | 440          |
| 800 32"  | 878           | 305 | 796  | 800  | 560          |  | 935           | 305 | 796  | 800  | 580          |
| 900 36"  | 983           | 368 | 898  | 903  | 640          |  | 1045          | 368 | 874  | 894  | 660          |
| 1000 40" | 1090          | 432 | 976  | 985  | 870          |  | 1158          | 432 | 976  | 985  | 890          |
| 1050 42" | 1142          | 432 | 1050 | 1055 | 960          |  | 1213          | 432 | 1050 | 1055 | 980          |
| 1100 44" | 1193          | 432 | 1070 | 1070 | 1150         |  | 1274          | 432 | 1070 | 1070 | 1170         |
| 1200 48" | 1302          | 524 | 1200 | 1205 | 1400         |  | 1380          | 524 | 1166 | 1205 | 1450         |
| 1350 54" | 1460          | 591 | 1312 | 1315 | 2245         |  | 1545          | 591 | 1312 | 1315 | 2300         |
| 1400 56" | 1512          | 591 | 1360 | 1370 | 2830         |  | 1602          | 591 | 1360 | 1370 | 2850         |
| 1500 60" | 1628          | 660 | 1458 | 1470 | 3200         |  | 1710          | 660 | 1458 | 1470 | 3225         |
| 1650 66" | 1881          | 787 | 1630 | 1663 | 5345         |  | -             | -   | -    | -    | -            |

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