

Double Door Wafer Check Valve

Fig.303

General Description

Rapidrop Fig. 303 Check Valve is a wafer, double door swing type check valve that allows water flow in one direction only. A hinged clapper remains open with water flowing in one direction, and automatically closes when flow stops preventing backflow. These valves are suitable for horizontal or vertical installation with the flow upwards.

Connections

- ANSI Class 125 /150
- PN16

Working Pressure

Max. Working Pressure 20.7 bar (300psi)

Temperature

0°-80°C

Coating

Fusion Bonded Epoxy Coating in accordance with ANSI / AWWA C550

Finish

Red RAL3000

Approvals

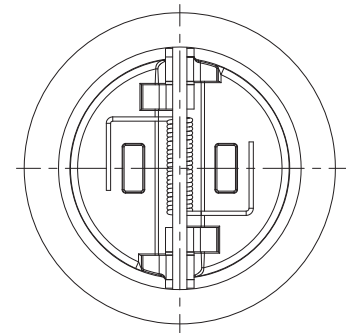
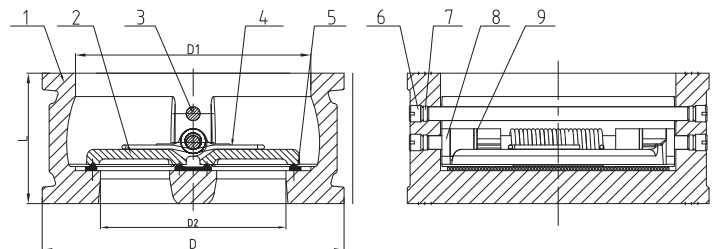
UL Listed

Material Specification

| No | Part | Material |
|----|-------------|------------------------------|
| 1 | Valve Body | Ductile Iron - EN-GJS-450-10 |
| 2 | Disc | Stainless Steel 316 |
| 3 | Hinge Pin | Stainless Steel 420 |
| 4 | Spring | Stainless Steel 304 |
| 5 | Rubber Seat | EPDM |
| 6 | Screw | Carbon Steel |
| 7 | Shaft Seal | EPDM |
| 8 | Washer | PTFE |
| 9 | Washer | PTFE |

Installation

The valve must be installed with the direction arrow on the body in line with the direction of the flow in the pipeline. Rapidrop double door check valves can be installed horizontally or vertically with the flow direction upwards only. Prior to installation visually inspect the valve, make sure the seating area is not damaged and that the connecting flanges are clean of debris and any foreign materials.



Dimensions

| Size | | Dimensions (mm) | | | | Ordering Codes |
|-------|------|-----------------|-------|-------|-----|----------------|
| mm | in | L | D | D1 | D2 | |
| DN50 | 2" | 54 | 106 | 68 | 46 | RD303-050 |
| DN65 | 2.5" | 60 | 127 | 78 | 60 | RD303-065 |
| DN80 | 3" | 57 | 134 | 102 | 70 | RD303-080 |
| DN100 | 4" | 67 | 162 | 117 | 84 | RD303-100 |
| DN125 | 5" | 83 | 193.5 | 145 | 115 | RD303-125 |
| DN150 | 6" | 95 | 218 | 170.5 | 134 | RD303-150 |
| DN200 | 8" | 127 | 276.8 | 224 | 184 | RD303-200 |
| DN250 | 10" | 140 | 335.5 | 265 | 220 | RD303-250 |
| DN300 | 12" | 181 | 405.5 | 310 | 260 | RD303-300 |
| DN350 | 14" | 184 | 447.4 | 360 | 302 | RD303-350 |
| DN400 | 16" | 191 | 505 | 410 | 350 | RD303-400 |