



**VÁLVULA RETENCIÓN**

**FVS**

RCI Clapeta inclinada  
PN10/16



## Rubber Flap Check Valve RCI

DIN3202-F6, BS5153, BS EN12334/EN16767

FVS Rubber Flap Check Valve, is designed to prevent reverse flow automatically. During system flow conditions, the movement of the fluid forces the disc to the open position allowing 100% un-restricted flow area through the valve. Under reverse flow conditions, the disc automatically returns to the closed position to prevent reverse flow. The valve is of the swing check type utilizing an angled seat and fully encapsulated, resilient disc. It is capable of handling a wide range of fluids including flows containing suspended solids.

### Main Features

- rubber seated, 100% sealing, zero leakage
- easily rubber lined for abrasion resistance
- 100% testing before packing and delivery
- 100% flow area, full waterway for low headloss
- suitable for Horizontal or vertical installation
- one piece disc, special precision moulded EPDM
- internal steel re-enforcement disc for positive closure
- non slam, non clogging
- donot need counterweight
- lower power consumption due to lower headloss
- WRAS approved material for drinking water upon request.

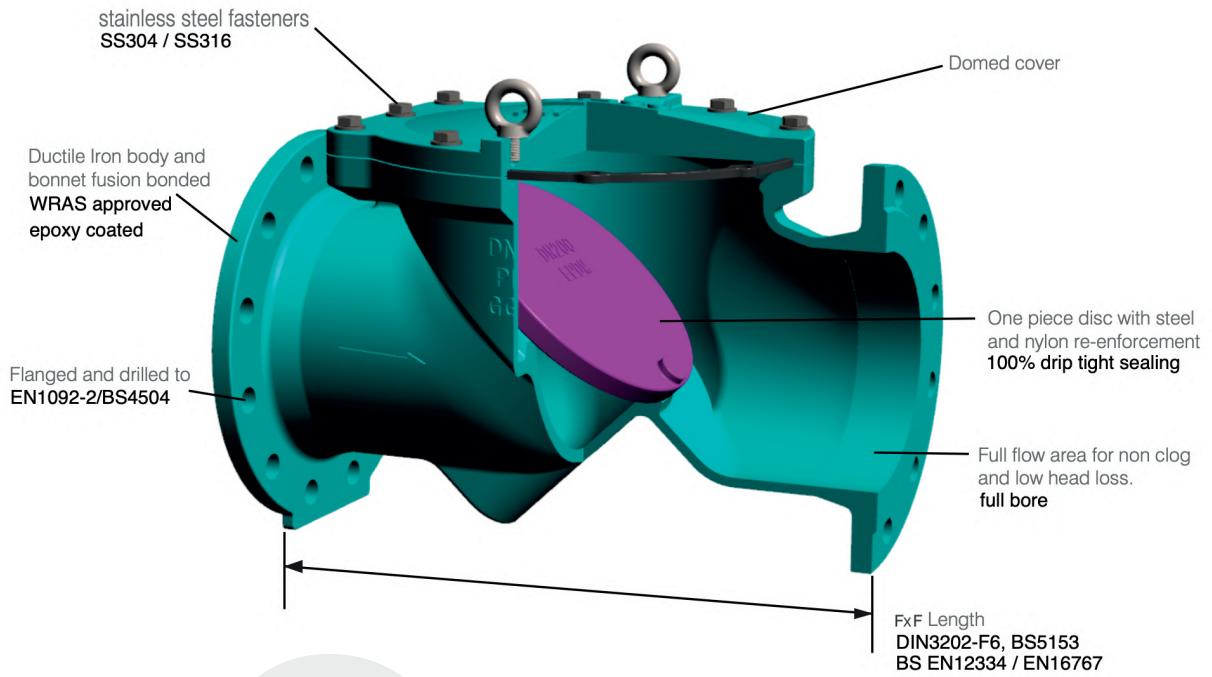
### Standards

- Hydraulic tests according to EN-12266-1, Class A
- Design: DIN3202-F6, BS5153, BS EN12334/EN16767
- Flanges to EN-1092-2, BS4504

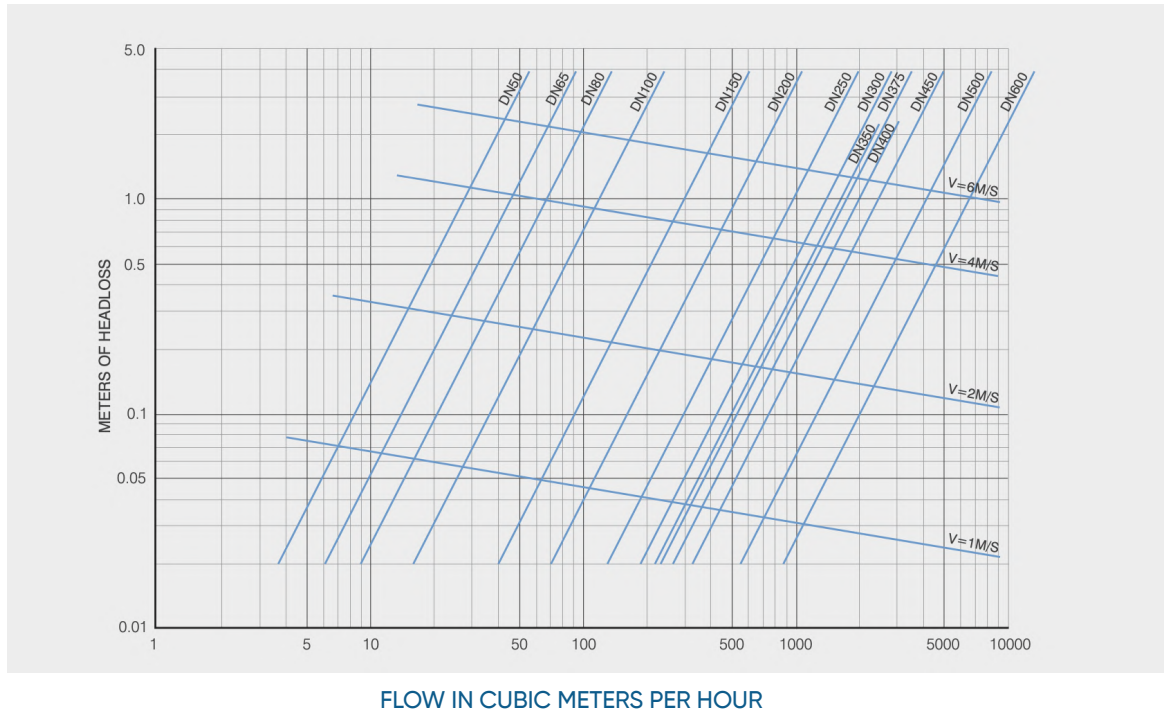
### Service Fields

- Potable water and neutral liquid applications
- Main transmission pipelines
- Irrigation system
- Fire fighting
- Pump stations

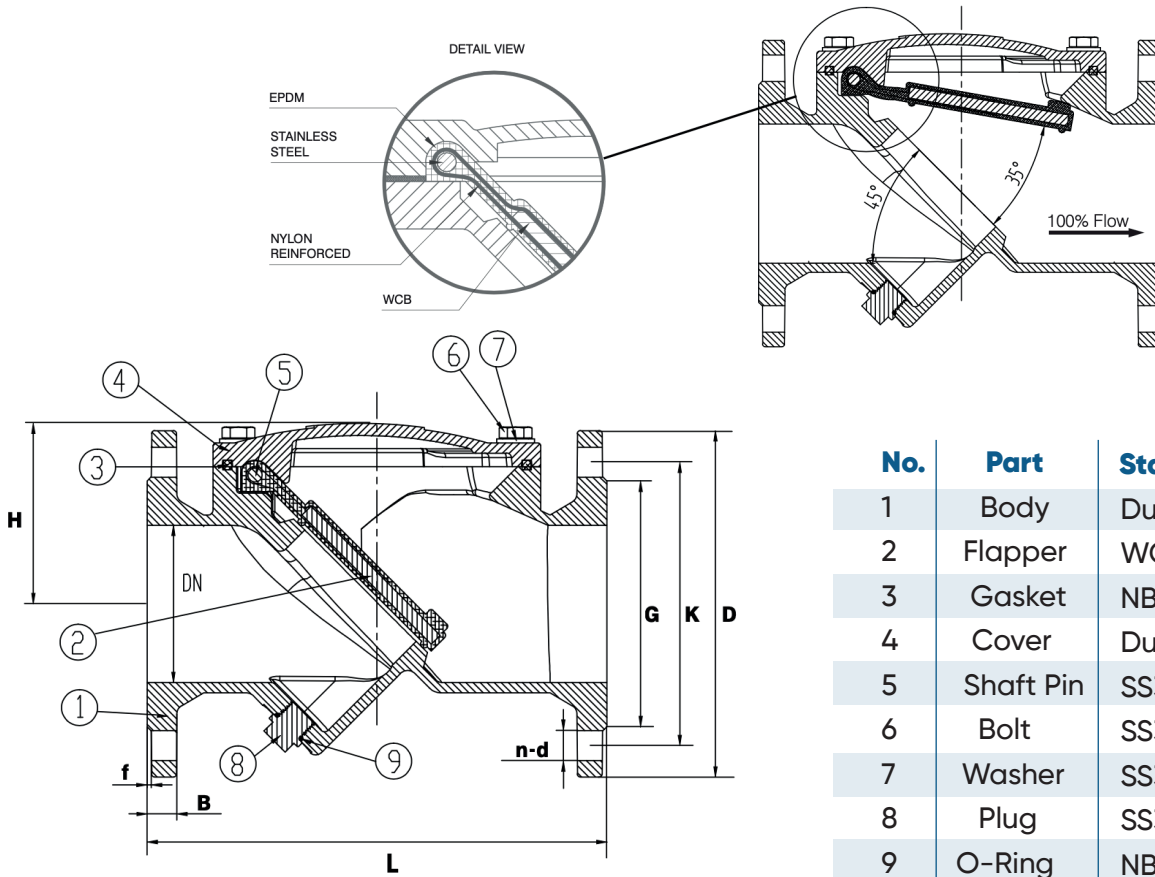




## PRESSURE DROP



## PART LIST & DIMENSIONS



| No. | Part      | Standard Material     |
|-----|-----------|-----------------------|
| 1   | Body      | Ductile Iron GJS500-7 |
| 2   | Flapper   | WCB + EPDM / NBR      |
| 3   | Gasket    | NBR / EPDM            |
| 4   | Cover     | Ductile Iron GJS500-7 |
| 5   | Shaft Pin | SS304 / SS316         |
| 6   | Bolt      | SS304 / SS316         |
| 7   | Washer    | SS304 / SS316         |
| 8   | Plug      | SS304 / SS316         |
| 9   | O-Ring    | NBR / EPDM            |

WRAS approved EPDM rubber upon request

| DN  | OUTLINE mm       |         |      |   |     | Flange Dimension (EN1092-2 / BS4504) |     |     |               |      |     |     |               |
|-----|------------------|---------|------|---|-----|--------------------------------------|-----|-----|---------------|------|-----|-----|---------------|
|     | Face to Face (L) |         | B    | f | H   | PN10                                 |     |     |               | PN16 |     |     |               |
|     | BS5153           | DIN -F6 |      |   |     | D                                    | K   | G   | n-d           | D    | K   | G   | n-d           |
| 50  | 203              | 200     | 19   | 3 | 95  | 165                                  | 125 | 99  | 4- $\phi$ 19  | 165  | 125 | 99  | 4- $\phi$ 19  |
| 65  | 216              | 240     | 19   | 3 | 100 | 185                                  | 145 | 118 | 4- $\phi$ 19  | 185  | 145 | 118 | 4- $\phi$ 19  |
| 80  | 241              | 260     | 19   | 3 | 105 | 200                                  | 160 | 132 | 8- $\phi$ 19  | 200  | 160 | 132 | 8- $\phi$ 19  |
| 100 | 292              | 300     | 19   | 3 | 115 | 220                                  | 180 | 156 | 8- $\phi$ 19  | 220  | 180 | 156 | 8- $\phi$ 19  |
| 125 | 330              | 350     | 19   | 3 | 145 | 250                                  | 210 | 184 | 8- $\phi$ 19  | 250  | 210 | 184 | 8- $\phi$ 19  |
| 150 | 356              | 400     | 19   | 3 | 155 | 285                                  | 240 | 211 | 8- $\phi$ 23  | 285  | 240 | 211 | 8- $\phi$ 23  |
| 200 | 495              | 500     | 20   | 3 | 250 | 340                                  | 295 | 266 | 8- $\phi$ 23  | 340  | 295 | 266 | 8- $\phi$ 23  |
| 250 | 622              | 600     | 22   | 3 | 300 | 405                                  | 350 | 319 | 12- $\phi$ 23 | 405  | 355 | 319 | 12- $\phi$ 28 |
| 300 | 698              | 700     | 24.5 | 4 | 330 | 460                                  | 400 | 370 | 12- $\phi$ 23 | 460  | 410 | 370 | 12- $\phi$ 28 |
| 350 | 787              | -       | 26.5 | 4 | -   | 520                                  | 460 | 429 | 16- $\phi$ 23 | 520  | 470 | 429 | 16- $\phi$ 28 |
| 400 | 914              | -       | 28   | 4 | -   | 580                                  | 515 | 480 | 16- $\phi$ 23 | 580  | 525 | 480 | 16- $\phi$ 31 |
| 450 | 965              | -       | 30   | 4 | -   | 640                                  | 565 | 530 | 20- $\phi$ 28 | 640  | 585 | 548 | 20- $\phi$ 31 |
| 500 | 1067             | -       | 31.5 | 4 | -   | 715                                  | 620 | 582 | 20- $\phi$ 28 | 715  | 650 | 609 | 20- $\phi$ 34 |
| 600 | 1219             | -       | 36   | 5 | -   | 840                                  | 725 | 682 | 20- $\phi$ 31 | 840  | 770 | 720 | 20- $\phi$ 37 |



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