



# WAFER BUTTERFLY CHECK VALVE

## Characteristic of Product

- Small in size, light in weight, compact in structure, easy in maintenance.
- Two torsion springs are added to each of the pair valve plates, which close the plates quickly and automatically.
- The quick-close action prevents the medium from flowing back.
- Short face to face and good rigidity.
- Easy installation, it can be installed on both horizontal and vertical direction pipelines.
- This valve is tightly sealed, without leakage under the water pressure test.
- Safe and reliable in operation, high interference-resistance.

## Technical Specifications

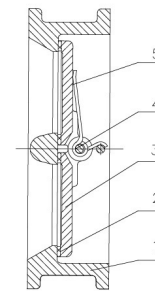
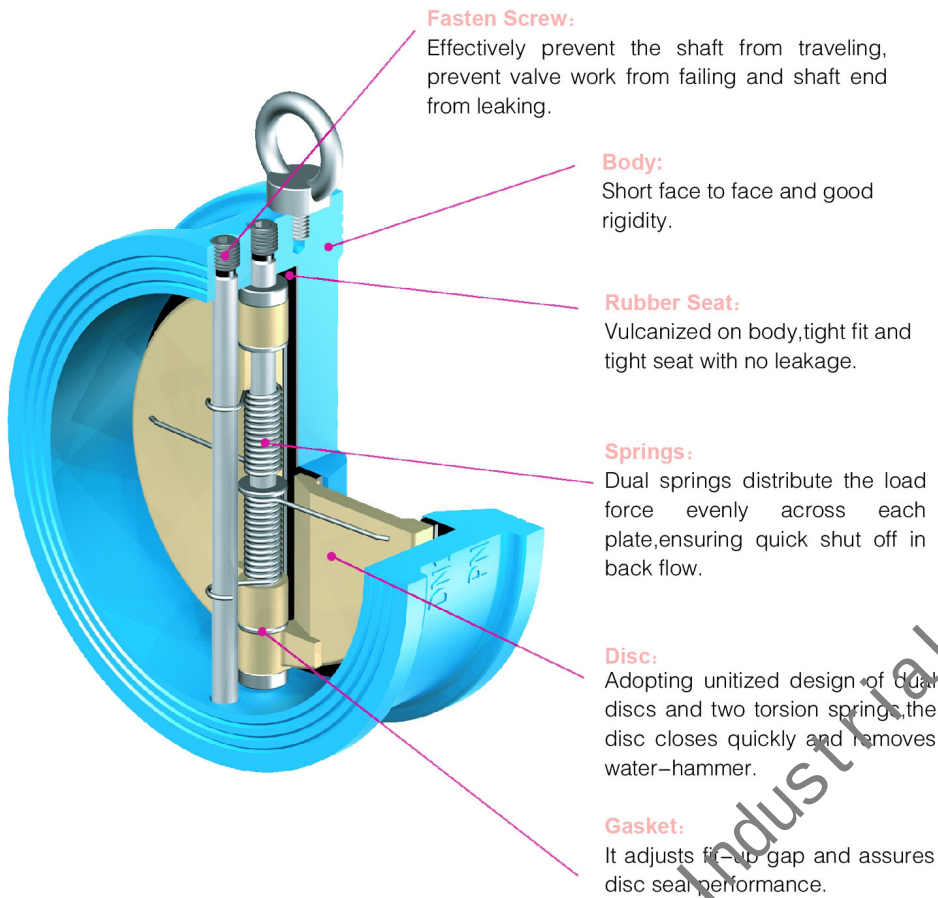
| Series                 |         | EH                                                                                              | AH               |                  | BH               |                  | MH               |         |                    |
|------------------------|---------|-------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|---------|--------------------|
| DN<br>Nominal Diameter |         | "40~100(1.5"~28")"                                                                              | "50~750(2"~30")" | "50~300(2"~12")" | "50~500(2"~20")" | "50~300(2"~12")" | "50~600(2"~24")" |         | 50~400<br>(2"~16") |
| PN<br>Nominal Pressure |         | 1.0MPa                                                                                          | 150PSI           | 200PSI           | 150PSI           | 200PSI           | 1.0MPa           | 1.6MPa  | 2.5MPa             |
| Testing<br>Pressure    | Shell   | 1.5MPa                                                                                          | 225PSI           | 300PSI           | 225PSI           | 300PSI           | 1.5MPa           | 2.4MPa  | 3.75MPa            |
|                        | Sealing | 1.1MPa                                                                                          | 165PSI           | 220PSI           | 165PSI           | 220PSI           | 1.1MPa           | 1.76MPa | 2.75MPa            |
| Working Temperature    |         | -15~+150                                                                                        |                  |                  |                  |                  |                  |         |                    |
| Suitable Media         |         | Fresh water, Sewage, Sea water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalies, Salts, etc. |                  |                  |                  |                  |                  |         |                    |

### Flange Connection:

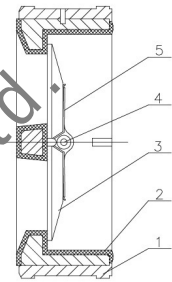
- Series EH、MH conform to EN1092;
- Series AH、BH conform to ANSI B16.1;

### Face to Face:

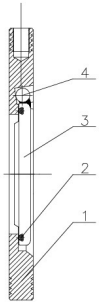
- Series EH conform to EN558-1; Series AH conform to ANSI B16.10



Series EH & AH



Series BH



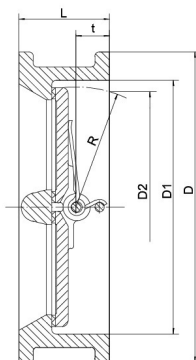
Series MH



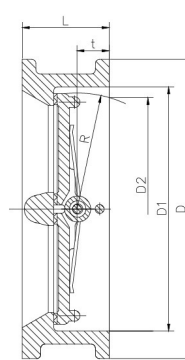
## Materials of Main Parts

| No. | Part   | Material                 |    |     |     |                          |        |    |    |                           |     |      |        |
|-----|--------|--------------------------|----|-----|-----|--------------------------|--------|----|----|---------------------------|-----|------|--------|
|     |        | AH    EH                 |    |     |     | BH                       |        |    |    | MH                        |     |      |        |
| 1   | Body   | CI                       | DI | WCB | CF8 | CF8M                     | C95400 | CI | DI | WCB                       | CF8 | CF8M | C95400 |
| 2   | Seat   | NBR   EPDM   VITON etc.  |    |     |     | DI Covered Rubber        |        |    |    | NBR   EPDM   VITON etc.   |     |      |        |
| 3   | Disc   | DI   C95400   CF8   CF8M |    |     |     | DI   C95400   CF8   CF8M |        |    |    | WCB   CF8   CF8M   C95400 |     |      |        |
| 4   | Stem   | 416/304/316              |    |     |     | 304/316                  |        |    |    | WCB   CF8   CF8M   C95400 |     |      |        |
| 5   | Spring | 316                      |    |     |     |                          |        |    |    | -----                     |     |      |        |

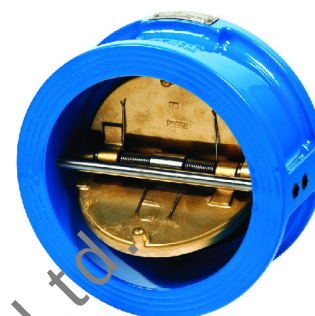
## Overall Dimensions & Weights



Series EH



Series AH



### Series EH

| Size |        | D   | D1  | D2    | L   | R     | t  | Weight(kg) |
|------|--------|-----|-----|-------|-----|-------|----|------------|
| (mm) | (inch) |     |     |       |     |       |    |            |
| 40   | 1.5"   | 92  | 65  | 43.3  | 43  | 28.8  | 19 | 1.5        |
| 50   | 2"     | 107 | 65  | 43.3  | 43  | 28.8  | 19 | 1.5        |
| 65   | 2 1/2" | 127 | 80  | 60.2  | 46  | 36.1  | 20 | 2.4        |
| 80   | 3"     | 142 | 94  | 66.4  | 64  | 43.4  | 28 | 3.6        |
| 100  | 4"     | 162 | 117 | 90.8  | 64  | 52.8  | 27 | 5.7        |
| 125  | 5"     | 192 | 145 | 116.9 | 70  | 65.7  | 30 | 7.3        |
| 150  | 6"     | 218 | 170 | 144.5 | 76  | 78.6  | 31 | 9.0        |
| 200  | 8"     | 273 | 224 | 198.2 | 89  | 104.4 | 33 | 17         |
| 250  | 10"    | 328 | 265 | 233.7 | 114 | 127   | 50 | 26         |
| 300  | 12"    | 378 | 310 | 283.9 | 114 | 148.3 | 43 | 42         |
| 350  | 14"    | 438 | 360 | 332.9 | 127 | 172.4 | 45 | 55         |
| 400  | 16"    | 489 | 410 | 381.0 | 140 | 197.4 | 52 | 75         |
| 450  | 18"    | 539 | 450 | 419.9 | 152 | 217.8 | 58 | 101        |
| 500  | 20"    | 594 | 505 | 467.8 | 152 | 241   | 58 | 111        |
| 600  | 24"    | 690 | 624 | 572.6 | 178 | 295.4 | 73 | 172        |
| 700  | 28"    | 800 | 720 | 680   | 229 | 354   | 98 | 219        |

### Series AH

| Size  |        | D           | D1          | R             | L          | t            | D2            | Weight(kg) |
|-------|--------|-------------|-------------|---------------|------------|--------------|---------------|------------|
| (mm)  | (inch) |             |             |               |            |              |               |            |
| DN50  | 2"     | 105(4.134)  | 65(2.559)   | 29.73(1.17)   | 54(2.12)   | 25(0.984)    | 32.18(1.26)   | 2.8        |
| DN65  | 2.5"   | 124(4.882)  | 78(3.071)   | 36.14(1.423)  | 60(2.38)   | 29.3(1.154)  | 42.31(1.666)  | 3          |
| DN80  | 3"     | 137(5.39)   | 94(3.701)   | 43.42(1.709)  | 67(2.62)   | 27.7(1.091)  | 66.87(2.633)  | 3.8        |
| DN100 | 4"     | 175(6.89)   | 117(4.606)  | 55.66(2.191)  | 67(2.62)   | 26.7(1.051)  | 97.68(3.846)  | 5.5        |
| DN125 | 5"     | 187(7.362)  | 145(5.709)  | 67.68(2.665)  | 83(3.25)   | 38.6(1.52)   | 111.19(4.378) | 7.4        |
| DN150 | 6"     | 222(8.74)   | 171(6.732)  | 78.64(3.096)  | 95(3.75)   | 46.3(1.823)  | 127.13(5.005) | 10.9       |
| DN200 | 8"     | 279(10.984) | 222(8.740)  | 102.5(4.035)  | 127(5)     | 66(2.598)    | 161.8(6.370)  | 22.5       |
| DN250 | 10"    | 340(13.386) | 276(10.866) | 126(4.961)    | 140(5.5)   | 70.7(2.783)  | 213.6(8.490)  | 36         |
| DN300 | 12"    | 410(16.142) | 327(12.874) | 154(6.063)    | 181(7.12)  | 102(4.016)   | 237.9(9.366)  | 54         |
| DN350 | 14"    | 451(17.756) | 375(14.764) | 179.9(7.083)  | 184(7.25)  | 89.2(3.512)  | 312.5(12.303) | 80         |
| DN400 | 16"    | 514(20.236) | 416(16.378) | 198.4(7.811)  | 191(7.5)   | 92.5(3.642)  | 351.0(13.819) | 116        |
| DN450 | 18"    | 549(21.614) | 467(18.386) | 226.2(8.906)  | 203(8)     | 96.2(3.787)  | 409.4(16.118) | 138        |
| DN500 | 20"    | 606(23.858) | 514(20.236) | 248.2(9.72)   | 213(8.374) | 102.7(4.043) | 451.9(17.791) | 175        |
| DN600 | 24"    | 718(28.268) | 616(24.252) | 297.4(11.709) | 222(8.75)  | 107.3(4.224) | 554.7(21.839) | 239        |
| DN750 | 30"    | 884(34.8)   | 772(30.39)  | 374(14.724)   | 305(12)    | 150(5.905)   | 685.2(26.976) | 659        |