

Swing Check Valve

Lever and weight or lever and spring

Specifications

- Valves comply with EN16767, BS5153, MSS SP-71 or AWWA C508.
- Globe shape to provide full flow with low pressure drop.
- Suitable for mounting in horizontal and vertical position (With vertical flow upwards).
- Outside lever and adjustable weight or outside lever and spring.
- Available with flanges EN1092-2 PN10 or PN16, ANSI B16.1 Class 125 (Other flange types available on request).

Working Pressure

- 16 bar/200 psi for Size DN50 to DN600.
- 25 bar/300 psi for Size DN50 to DN300.

Working Temperature

- 10°C to 120 °C for Bronze or EPDM disc sealed ring.
- 10°C to 82 °C for NBR disc sealed ring.

Corrosion Protection

- Internally and externally liquid epoxy painted or fusion bonded epoxy powder coated (FBE).

Options

- Ductile Iron construction for 25bar/300psi, DN350 and larger size.

Material Specifications

| Part Name | Materials | EN Specification | ASTM Specification |
|----------------------|-----------------|----------------------|---------------------|
| Body | Cast Iron | EN-JL 1040 | A126 Class B |
| Cover | Cast Iron | EN-JL 1040 | A126 Class B |
| Packing Gland | Ductile Iron | EN-JS 1040 | A536 Grade 65-45-12 |
| Hanger Pin | Stainless Steel | EN 10088 X5CrNi18-10 | A276 Grade 304 |
| Hanger | Ductile Iron | EN-JS 1040 | A536 Grade 65-45-12 |
| Disc | Cast Iron | EN-JL 1040 | A126 Class B |
| Disc Trim | Bronze | EN1982 CC491K | B62 C83600 |
| | EPDM / NBR | Commercial | D2000 |
| Body Trim | Bronze | EN1982 CC491K | B62 C83600 |
| Gasket | Graphite | Non-Asbestos | Non-Asbestos |
| Lever | Carbon Steel | BS970 050A20 | A29 1020 |
| Weight | Cast Iron | EN-JL 1040 | A126 Class B |
| Spring | Stainless Steel | EN 10088 X5CrNi18-10 | A276 Grade 304 |

Dimensions(mm)

| Size | DN50 | DN65 | DN80 | DN100 | DN125 | DN150 | DN200 | DN250 | DN300 | DN350 | DN400 | DN450 | DN500 | DN600 |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L | 203 | 216 | 241 | 292 | 330 | 356 | 495 | 622 | 699 | 787 | 914 | 965 | 1016 | 1219 |
| H | 121 | 135 | 141 | 168 | 182 | 215 | 267 | 305 | 343 | 450 | 520 | 550 | 590 | 680 |

Notes

- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

FIG. 5108 - Bronze Disc Trim
FIG. 5110 - Rubber Disc Trim

Schematic

