

Swing Check Valve

Specifications

- Valves comply with EN16767, BS5153, API STD 594 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.
- Flanged to EN1092-2 PN10 or PN16, ANSI B16.1 Class 125.
(Other Flange Types available on request)
- Rated Working Pressure
DN50 to DN300: 25 bar or 300 psi
DN350 to DN600: 16 bar or 200 psi

Corrosion Protection

- Internally and Externally Liquid Epoxy Painted or Fusion bonded Epoxy Powder Coated (FBE).

Material Specification

| Part | Material | EN Specification | ASTM Specification |
|-----------|-----------------|-----------------------|---------------------|
| Body | Gray Cast Iron | EN 1561 EN-GJL-250 | A 126 Class B |
| Cover | Gray Cast Iron | EN 1561 EN-GJL-250 | A 126 Class B |
| Hanger | Ductile Iron | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| Hinge Pin | Stainless Steel | EN 10088 X5CrNi18-10 | A276 Grade 304 |
| Gasket | Graphite | Non-Asbestos | Non-Asbestos |
| Disc | Gray Cast Iron | EN 1561 EN-GJL-250 | A 126 Class B |
| Disc Trim | Bronze | EN 1982 CuSn5Zn5Pb5 | B62 C83600 |
| | EPDM / NBR | EN 681 | D2000 |
| Body Trim | Bronze | EN 1982 CuSn5Zn5Pb5 | B62 C83600 |
| Lever | Carbon Steel | EN 10025 S235JR | A283 Grade D |
| Weight | Gray Cast Iron | EN 1561 EN-GJL-250 | A 126 Class B |
| Spring | Stainless Steel | EN 10088 X5CrNi18-10 | A276 Grade 304 |

- Ductile Iron Body Available.
- Valve Bodies of 25 bar / 300 psi, DN350 and larger sizes are Ductile Iron.
- Other material types are available upon request.

Main Dimensions (mm/inch)

| Size | DN50/2" | DN65/2.5" | DN80/3" | DN100/4" | DN125/5" | DN150/6" | DN200/8" |
|------|----------|-----------|----------|----------|----------|----------|-----------|
| L | 203/8.0 | 216/8.5 | 241/9.5 | 292/11.5 | 330/13.0 | 356/14.0 | 495/19.5 |
| H | 121/4.76 | 135/5.31 | 141/5.55 | 168/6.61 | 182/7.17 | 215/8.46 | 267/10.51 |

| Size | DN250/10" | DN300/12" | DN350/14" | DN400/16" | DN450/18" | DN500/20" | DN600/24" |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| L | 622/24.5 | 699/27.5 | 787/31.0 | 914/36.0 | 965/38.0 | 1016/40.0 | 1219/48.0 |
| H | 305/12.00 | 343/13.50 | 450/17.71 | 520/20.47 | 550/21.65 | 590/23.22 | 680/26.77 |

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

