

## Swing Check Valve

### Specifications

- Valves comply with EN16767, BS5153 and 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
- FIG:5110 Certificated to NSF/ANSI/CAN 61 & 372.

### Corrosion Protection

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

### Material Specification

| Part             | Material        | EN Specification      | ASTM Specification  |
|------------------|-----------------|-----------------------|---------------------|
| <b>Body</b>      | Ductile Iron    | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| <b>Cover</b>     | Ductile Iron    | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| <b>Hanger</b>    | Ductile Iron    | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| <b>Hinge Pin</b> | Stainless Steel | EN 10088 X5CrNi18-10  | A276 Grade 304      |
| <b>Gasket</b>    | Graphite        | Non-Asbestos          | Non-Asbestos        |
| <b>Disc</b>      | Ductile Iron    | EN 1563 EN-GJS-450-10 | A536 Grade 65-45-12 |
| <b>Disc Trim</b> | Bronze          | EN 1982 CuSn5Zn5Pb5   | B62 C83600          |
|                  | EPDM / NBR      | EN 681                | D2000               |
| <b>Body Trim</b> | Bronze          | EN 1982 CuSn5Zn5Pb5   | B62 C83600          |
| <b>Lever</b>     | Carbon Steel    | EN 10025 S235JR       | A283 Grade D        |
| <b>Weight</b>    | Gray Cast Iron  | EN 1561 EN-GJL-250    | A126 Class B        |
| <b>Spring</b>    | Stainless Steel | EN 10088 X5CrNi18-10  | A276 Grade 304      |

- Valve Bodies of DN200 and smaller at 16 bar / 200 psi can be Gray Cast 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"  | DN250/10" | DN300/12" |
|----------|----------|-----------|----------|----------|----------|----------|-----------|-----------|-----------|
| <b>L</b> | 203/8.0  | 216/8.5   | 241/9.5  | 292/11.5 | 330/13.0 | 356/14.0 | 495/19.5  | 622/24.5  | 699/27.5  |
| <b>H</b> | 121/4.76 | 135/5.31  | 141/5.55 | 168/6.61 | 182/7.17 | 215/8.46 | 267/10.51 | 305/12.00 | 343/13.50 |

| Size     |                         | DN350/14" | DN400/16" | DN450/18" | DN500/20" | DN600/24" |
|----------|-------------------------|-----------|-----------|-----------|-----------|-----------|
| <b>L</b> | Manufacturer's Standard | 787/31.0  | 914/36.0  | 965/38.0  | 1016/40.0 | 1219/48.0 |
|          | EN 558 Series 10        | 787/31.0  | 914/36.0  | 978/38.5  | 978/38.5  | 1295/51.0 |
|          | AWWA C508               | 787/31.0  | 914/36.0  | 1016/40.0 | 1016/40.0 | 1210/47.6 |
| <b>H</b> |                         | 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

