



## Metal Seated Swing Check Valve

AW31/12

DN50 - DN300

PN 10/16

The Swing Check Valve is a conventional single disc valve that is perfectly suited for low velocity piping systems.

### Technical Details

Face to Face in accordance to:

EN 558-1 Series 10

Maximum Working Pressure PFA:

16 bar / PN16

Working temperature:

Maximum +80°C

Construction complies to:

BS 5153

Flange Type:

EN 1092-2 PN10 & PN16

Coating:

250 µm FBE coating, external and internal - RAL5015

Installation:

Horizontal, piping level Vertical, when fluid flowing upwards

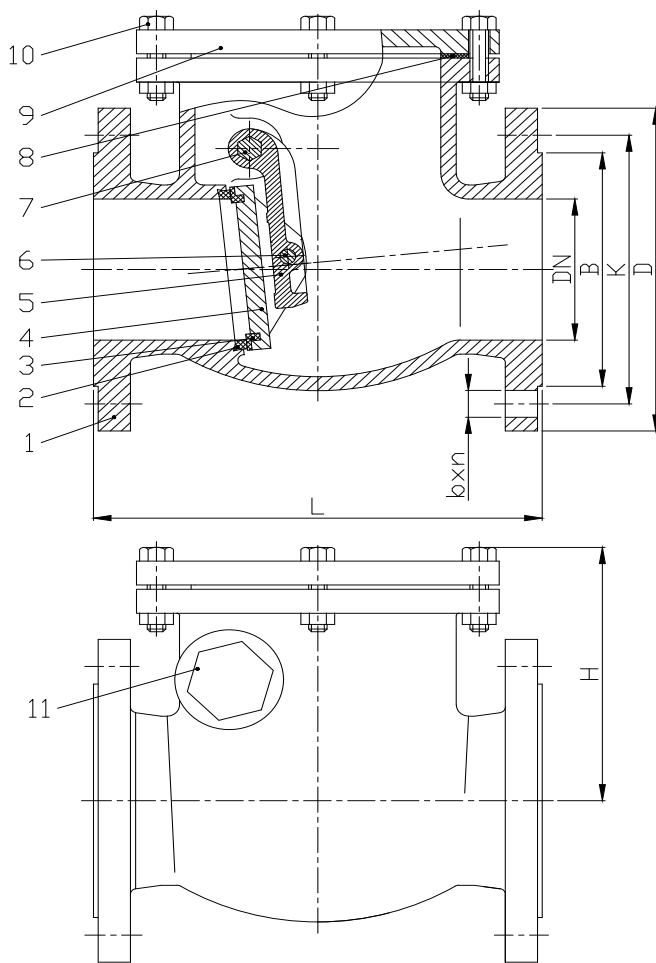
Application:

Installation for water, potable water, irrigation water, sewage and other chemically inert fluids

### Design features

- Top entry for ease of inspection and maintenance without removing from piping
- Globe shape to provide full flow with low pressure drop.





| No | Part Name            | Material                                   |
|----|----------------------|--------------------------------------------|
| 1  | Body                 | Ductile Iron EN-GJS-500-7                  |
| 2  | Body Seat            | Brass                                      |
| 3  | Disc Seat            | Brass                                      |
| 4  | Disc                 | Ductile Iron EN-GJS-500-7                  |
| 5  | Arm                  | Ductile Iron EN-GJS-500-7                  |
| 6  | Bolts, Nuts          | Stainless Steel X5CrNi18-10 / 1.4301 / 304 |
| 7  | Hinge Pin            | Stainless Steel X20Cr13 / 1.4021 / 420     |
| 8  | Gasket               | EPDM                                       |
| 9  | Bonnet               | Ductile Iron EN-GJS-500-7                  |
| 10 | Bolts, Nuts, Washers | Stainless Steel X5CrNi18-10 / 1.4301 / 304 |
| 11 | Gland                | Stainless Steel X5CrNi18-10 / 1.4301 / 304 |

Dimension (mm & kg)

| Group       | DN   | 50     | 80     | 100    | 150    | 200    | 250    | 300    |
|-------------|------|--------|--------|--------|--------|--------|--------|--------|
| AW31/12     | PN16 | AS5158 | AS5159 | AS5160 | AS5161 | AS5162 | AS5163 | AS5171 |
| L           |      | 203    | 241    | 292    | 356    | 495    | 622    | 698    |
| H           |      | 137    | 159    | 180    | 223    | 258    | 290    | 325    |
| D           |      | 165    | 200    | 220    | 285    | 340    | 405    | 460    |
| K           |      | 125    | 160    | 180    | 240    | 295    | 355    | 410    |
| B           |      | 99     | 132    | 156    | 211    | 266    | 319    | 370    |
| b x n       |      | 19x4   | 19x8   | 19x8   | 23x8   | 23x12  | 28x12  | 28x12  |
| Weight [kg] |      | 13     | 20     | 26     | 49     | 89     | 123    | 178    |