

**AF05/1** **SWING CHECK VALVE WITH  
FLANGED ENDS TYP AF05-300-F-01**

**DN50 - DN300 (2" - 12")**

Swing Check Valve with flanged ends, designed to prevent reverse flow and ensure reliable, low-resistance operation in pipeline systems.

**Application:**



Fire Protection

**Design features**

- May be installed horizontally or vertically, for vertical installations, the flow must be in upward direction

**Technical Details**

**Maximum Working Pressure PFA:**  
300 PSI / 20,7 bar for 2"-12"

**Working temperature:**  
42 °F to 180 °F (6 °C to 82 °C)

**Construction complies to:**  
Complies with AWWA C508 Standard

**Certification:**  
UL Listed and FM Approved

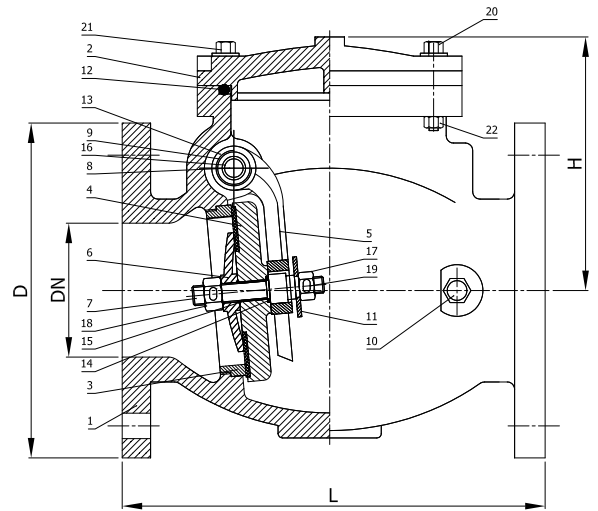
**Connection:**  
Flanges to ANSI B16.5 Class150, ANSI B16.1 Class125 or EN 1092-2 PN16  
(other flange types available on request)

**Coating:**  
300 µm FBE coating, external and internal to AWWA C550



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| No | Part Name     | Material                        |
|----|---------------|---------------------------------|
| 1  | Body          | Ductile iron EN-GJS-500-7       |
| 2  | Bonnet        | Ductile iron EN-GJS-500-7       |
| 3  | Seat Ring     | C95400                          |
| 4  | Disc          | Ductile Iron, EPDM Encapsulated |
| 5  | Rocker Arm    | Ductile iron EN-GJS-500-7       |
| 6  | Baffle Plate  | C95400                          |
| 7  | Middle Stem   | Stainless steel AISI 304        |
| 8  | Stem          | Stainless steel AISI 304        |
| 9  | Bracket Screw | Stainless steel AISI 304        |
| 10 | Plug          | C95400                          |
| 11 | Gasket        | Stainless steel AISI 304        |
| 12 | O-Ring        | Elastomer EPDM                  |
| 13 | O-Ring        | Elastomer EPDM                  |
| 14 | O-Ring        | Elastomer EPDM                  |
| 15 | O-Ring        | Elastomer EPDM                  |
| 16 | Bronze Bush   | Powder Metallurgy               |
| 17 | Nut           | Stainless steel AISI 304        |
| 18 | Nut           | Stainless steel AISI 304        |
| 19 | Cotter Pin    | Stainless steel AISI 304        |
| 20 | Bolt          | Steel 1045                      |
| 21 | Bolt          | Steel 1045                      |
| 22 | Nut           | Steel 1045                      |



## Dimension (mm & kg)

| DN (Inch) |                | 50 (2") | 65 (2.5") | 80 (3") | 100 (4") | 125 (5") | 150 (6") | 200 (8") | 250 (10") | 300 (12") |
|-----------|----------------|---------|-----------|---------|----------|----------|----------|----------|-----------|-----------|
| AF05/1    | ANSI Class150  | AM0525  | AM0526    | AM0527  | AM0528   | AM0529   | AM0530   | AM0531   | AM0532    | AM0533    |
|           | ANSI Class125  | AM0553  | AM0554    | AM0555  | AM0556   | AM0557   | AM0558   | AM0559   | AM0560    | AM0561    |
|           | EN 1092-2 PN16 | AM0562  | AM0563    | AM0564  | AM0565   | AM0566   | AM0567   | AM0568   | AM0569    | AM0570    |
| L         | [inch]         | 8       | 8,5       | 9,5     | 11,5     | 13       | 14       | 19,5     | 24,5      | 27,5      |
|           | [mm]           | 203     | 216       | 241     | 292      | 330      | 356      | 495      | 622       | 698       |
| H         | [inch]         | 5,6     | 5,8       | 6,4     | 6,8      | 9,3      | 9,2      | 11,9     | 13,7      | 16,5      |
|           | [mm]           | 142     | 148       | 163     | 172      | 237      | 233      | 301      | 348       | 419       |
| Weight    |                | 14,5    | 20        | 24      | 34       | 55       | 63,5     | 114      | 185       | 280       |