

## BS&DIN STANDARD DOUBLE DOOR WAFER CHECK VALVE

Type: DH77XSR

Doc No: DS-900-DH77XSR-01-E-S

### 1.0 PRODUCT OVERVIEW

The check valve is a one-way check valve. When the medium is flowing forward, the valve flap is opened under the pressure of the fluid; when the medium flows in the opposite direction, the valve flap is closed under the spring force and the reverse fluid pressure. Cut the channel to prevent backflow



#### Dimensions:

2" (DN50) -16" (DN400)

#### Design Standard:

API594, JB/T8937

#### Connection Standard:

AS2129 TABLE E, BS EN1092 PN10/16/25, JIS B221210K, BS10 TABLE D/E **Working Pressure:**  
PN16, PN10

#### Application:

Double Door Wafer Check Valve operating temperature range is 0°C-80°C

#### Pipe Material:

Flange valves or flanged pipe fittings such as ductile iron, grey iron, and cast steel。

ISO 4200、 GB/T 21835-2008

Grooved Coupling: ISO6182、 GB 5135.11、 AWWA C606

#### Surface Treatment:

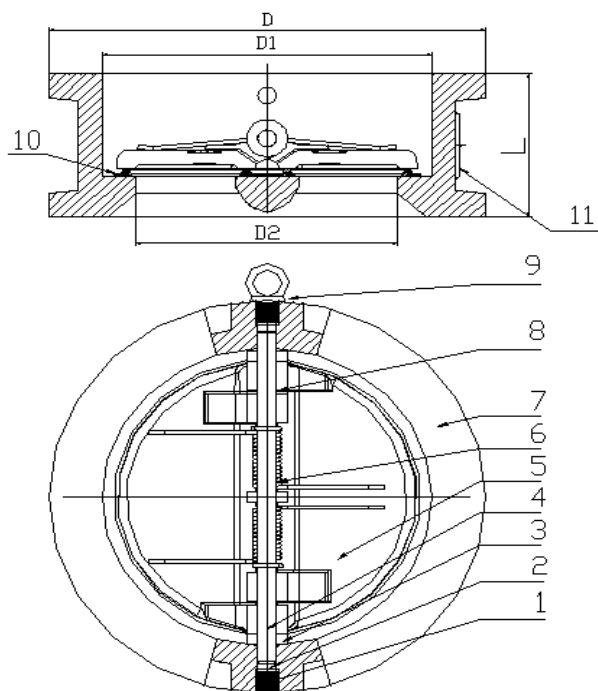
- ☐ Epoxy power painting (color numbers as RAL3000, RAL3001, RAL3016,etc)
- ☐ Painting (color numbers as RAL3000, RAL3001,etc)
- ☐ Others would be available upon clients detailed request

### 2.0 APPROVALS



### 3.0 SPECIFICATIONS

Product Sketch:



| No. | Part        | Material           | Optional              |
|-----|-------------|--------------------|-----------------------|
| 1   | Screw       | Carbon Steel       |                       |
| 2   | Shaft seal  | EPDM               |                       |
| 3   | Washer      | PTFE               |                       |
| 4   | Stem        | SS420              | SS304/SS316/SS416     |
| 5   | Disc        | SS316              | SS304/C95400/QT450-10 |
| 6   | Spring      | SS304              | SS316                 |
| 7   | Valve Body  | ASTM A536 65-45-12 |                       |
| 8   | Washer      | PTFE               |                       |
| 9   | EDH         | Carbon Steel       |                       |
| 10  | Rubber Seat | EPDM               | NBR                   |
| 11  | Nameplate   |                    |                       |

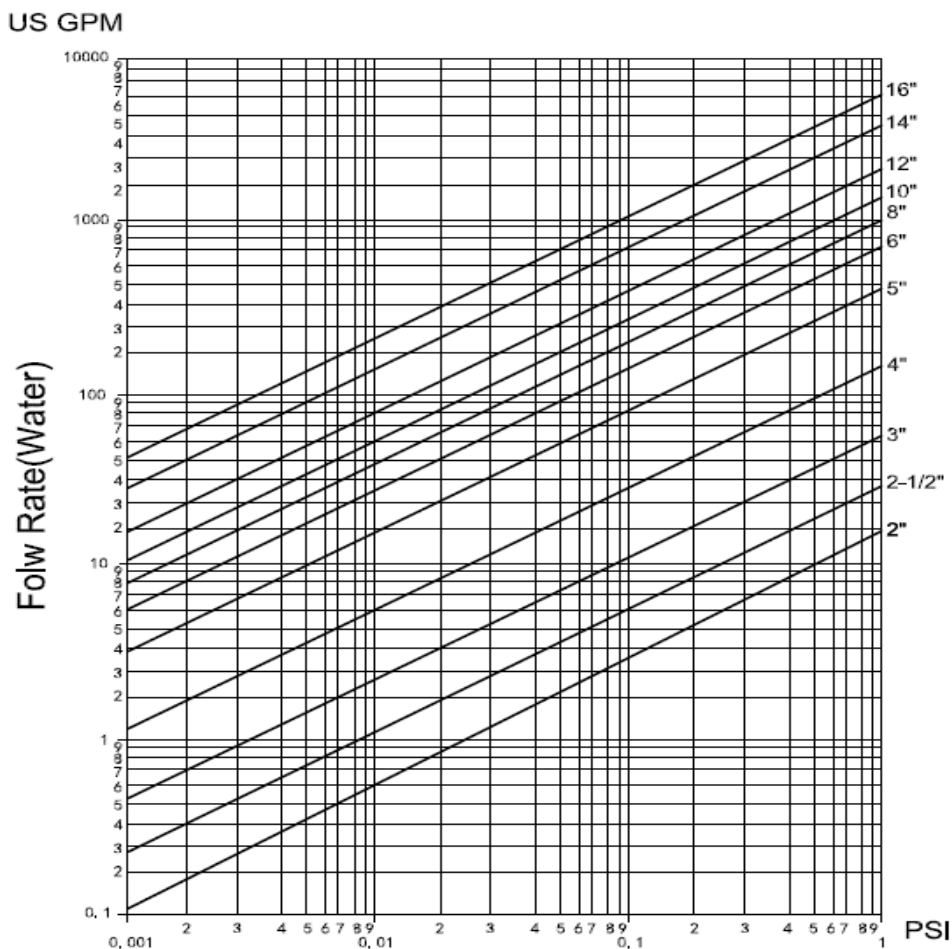
## 4.0 DIMENSIONS AND PERFORMANCE

### Dimensions

| DN     |     | Dimensions |     |     |     |
|--------|-----|------------|-----|-----|-----|
| inch   | MM  | L          | D   | D1  | D2  |
| 2"     | 50  | 54         | 107 | 64  | 46  |
| 2 1/2" | 65  | 54         | 127 | 78  | 60  |
| 3"     | 80  | 57         | 142 | 94  | 70  |
| 4"     | 100 | 64         | 162 | 117 | 84  |
| 5"     | 125 | 70         | 192 | 145 | 115 |

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 6"  | 150 | 76  | 218 | 170 | 134 |
| 8"  | 200 | 95  | 273 | 224 | 184 |
| 10" | 250 | 108 | 328 | 265 | 220 |
| 12" | 300 | 143 | 378 | 310 | 260 |
| 14" | 350 | 184 | 438 | 360 | 302 |
| 16" | 400 | 191 | 489 | 410 | 350 |

### Flow rates



### Strength

1. Nominal pressure 2.0Mpa, Shell experiment (water) 3.0Mpa, sealing experiment (water) 2.2Mpa
2. Working environment 1 Maximum working temperature 80 ° C, use medium water.

## 5.0 REFERENCE MATERIALS

Approved certification for Check Valve