# BS STANDARD DOUBLE DOOR WAFER CHECK VALVE

## Type: DH77X Doc No:DS-922-DH77X-01-E-S

## 1.0 PRODUCT OVERVIEW

The DH77X series butterfly 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)-18”(DN450)

### Design Standard:

JB/T8937

### Connection Standard:

BS EN 1092 PN10/16/25,BS 10 TABLE D/E,AS 2129 TABLE E,

### Working Pressure:

PN10, PN16, PN25

### Application:

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

### Pipe Material:

Ductile iron flange according to DIN EN 1092-2
Cast iron flange according to DIN EN 1092-2
Steel flange according toDIN 1092-1

**Sign Off:**
Owner:_____ Contractor:_____ Engineer: _____
Location:_____ Date:_____Approved& Date: _____

## Surface Treatment:

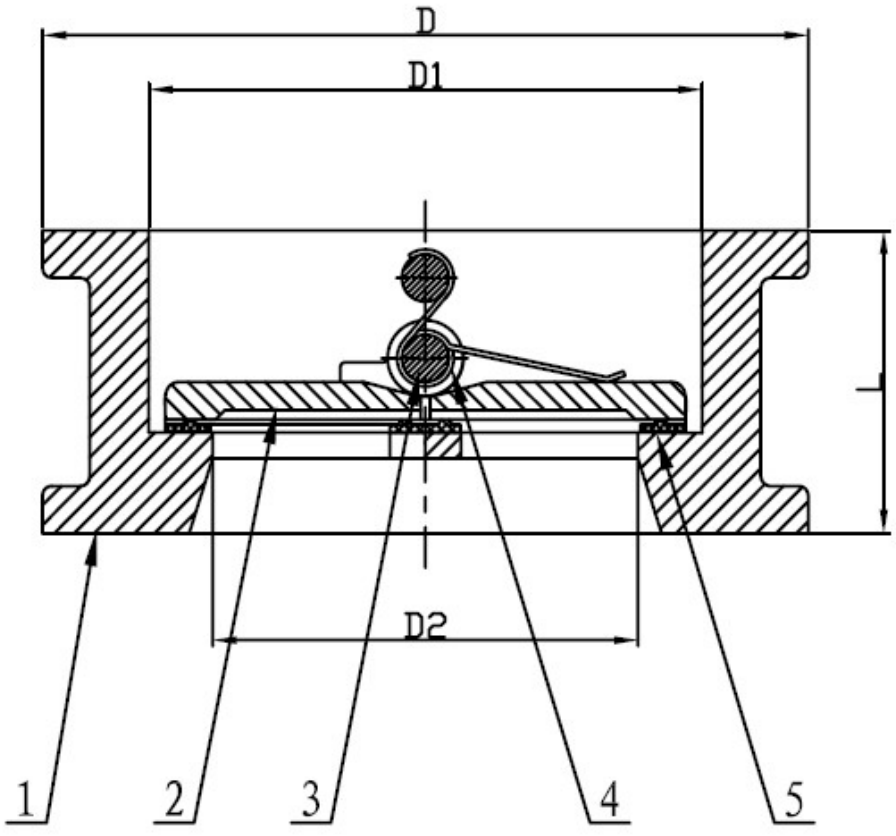
☐ Epoxy power painting (color numbers as RAL5002, RAL5005, etc)
☐ Painting (color numbers as RAL5005, etc)
☐ Others would be available upon clients' detailed request

## 2.0 APPROVALS

CE PG NSF/ANSI 61 NSF/ANSI 372

## 3.0 SPECIFICATIONS

## Product Sketch:




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| No. | Part | Material | Optional |
|---|---|---|---|
| 1 | Valve Body | EN-GJS-450-10 | |
| 2 | Disc | EN-GJS-450-10 | SS304, C95400, SS316 |
| 3 | Stem | SS420 | SS304, SS316, SS416 |
| 4 | Spring | SS304 | SS316 |
| 5 | Rubber Seat | EPDM | NBR |

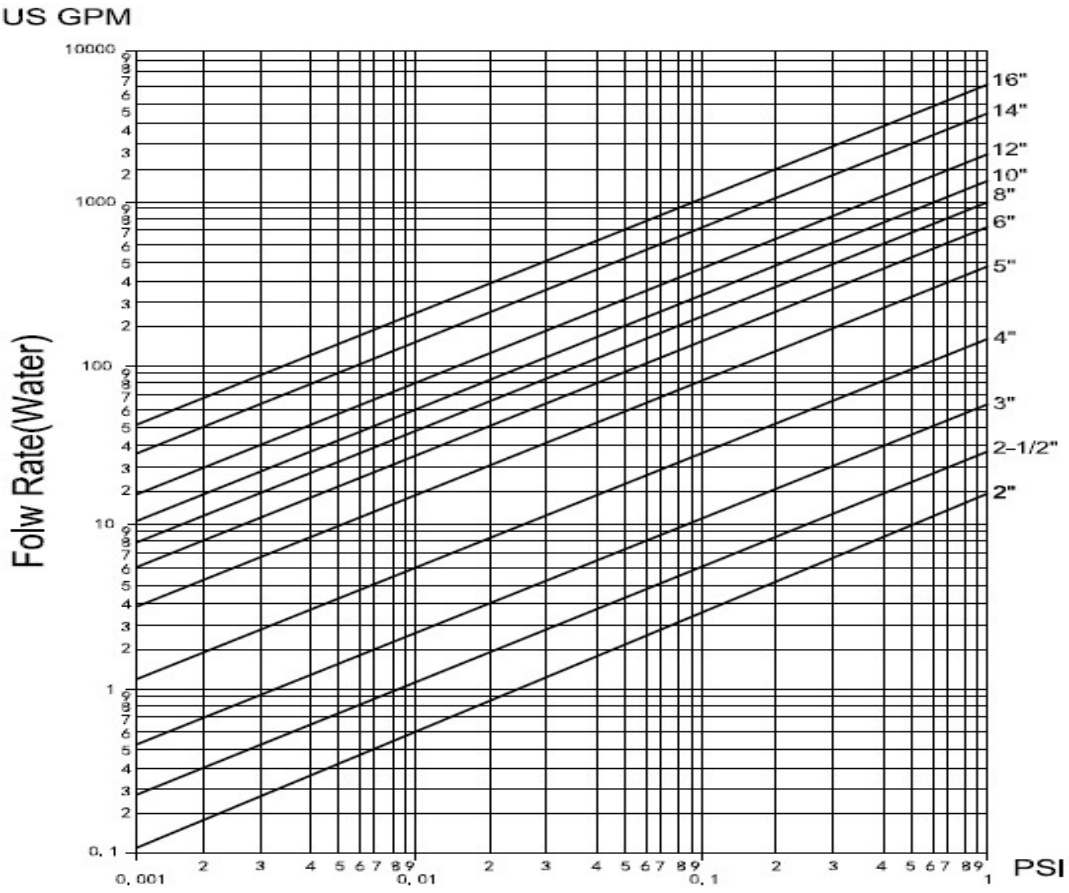
## 4.0 DIMENSIONS AND PERFORMANCE

### 4.1 Dimensions

| DN | | Dimensions | | | | |
|---|---|---|---|---|---|---|
| inch | MM | L | D | | D1 | D2 |
| | | | PN10/16 | PN25 | | |
| 2" | 50 | 54 | 107 | 107 | 64 | 46 |
| 2 1/2" | 65 | 54 | 127 | 127 | 78 | 60 |
| 3" | 80 | 57 | 142 | 142 | 94 | 70 |
| 4" | 100 | 64 | 162 | 168 | 117 | 84 |
| 5" | 125 | 70 | 192 | 192 | 145 | 115 |
| 6" | 150 | 76 | 218 | 224 | 170 | 134 |
| 8" | 200 | 95 | 273 | 283 | 224 | 184 |
| 10" | 250 | 108 | 328 | 340 | 265 | 220 |
| 12" | 300 | 143 | 378 | 390 | 310 | 260 |
| 14" | 350 | 184 | 438 | 457 | 360 | 302 |
| 16" | 400 | 191 | 489 | - | 410 | 350 |
| 18" | 450 | 203 | 539 | - | 450 | 385 |

### 4.2 Flow rates

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## 4.3 Strength &Sealing Testing

Sealing test: 1.1 times rated working pressure;
Shell test: 1.5 times rated working pressure;

## 5.0 REFERENCE MATERIALS

Approved certification for double door wafer check

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