# ANSI WAFER BUTTERFLY VALVE WITH TAMPER SWITCH

**Type: XD371X Doc No: DS-901-XD371X-01-E-X**

## 1.0 PRODUCT OVERVIEW

The wafer butterfly valve is simple, with compact and 90° slewing crane structure, it's mainly used for low pressure pipeline withtamper switch.



### Dimensions:

2"(DN50)-12"(DN300)

### Design Standard:

MSS SP-67

### Connection Standard:

ASME B16.42 CL150

### Working Pressure:

363PSI, 300PSI, 250PSI, 200PSI, 175PSI

### Application:

The wafer butterfly valve with tamper switch is an important component of the fire protection system. The operating temperature range is 0°C-80°C.

### Materialof Matching Products:

Cast iron flange: ASME B16.1 CL125
Ductile iron flange: ASME B16.42 CL150

**Sign Off:**

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

Steel flange: ASME B16.5 CL150

## Surface Treatment:

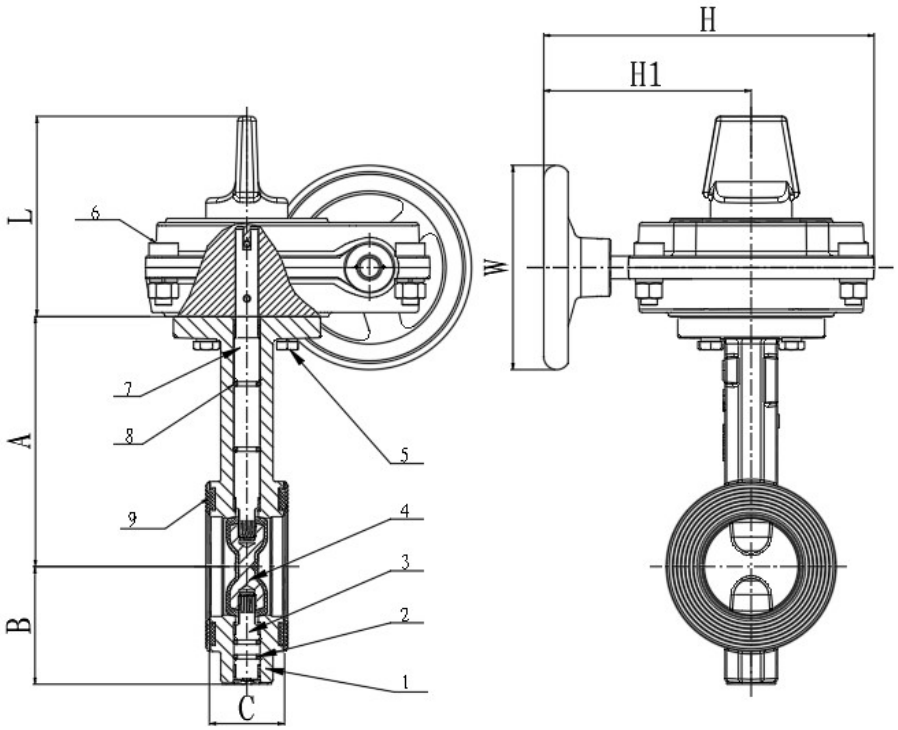
☐ Epoxy power painting (color numbers as RAL3000, etc)
☐ Painting (color numbers as RAL3000, etc)
☐ Others would be available upon clients'detailed request

## 2.0 APPROVALS

c UL us LISTED  FM APPROVED  VdS  RoHS  NSF/ANSI 61  NSF/ANSI 372

## 3.0 SPECIFICATIONS

## Product Sketch:




| Part No. | Part | Standard Specification | Options |
|---|---|---|---|
| 1 | Body | ASTM A536,65-45-12 | |
| 2 | O-Ring | NBR | EPDM |

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| | | | |
|---|---|---|---|
| 3 | Stub Shaft | AISI 431 | |
| 4 | Disc | ASTM A536,65-45-12+EPDM | ASTM A536,65-45-12+NBR |
| 5 | Hex Nut | Carbon Steel Zinc plated | |
| 6 | Signal Gearbox | Body: ASTM A536,65-45-12 | |
| 7 | Drive Shaft | AISI 431 | |
| 8 | O-Ring | NBR | EPDM |
| 9 | End Face Seal | EPDM | NBR |

## 4.0 DIMENSIONS AND PERFORMANCE

### 4.1 Dimensions

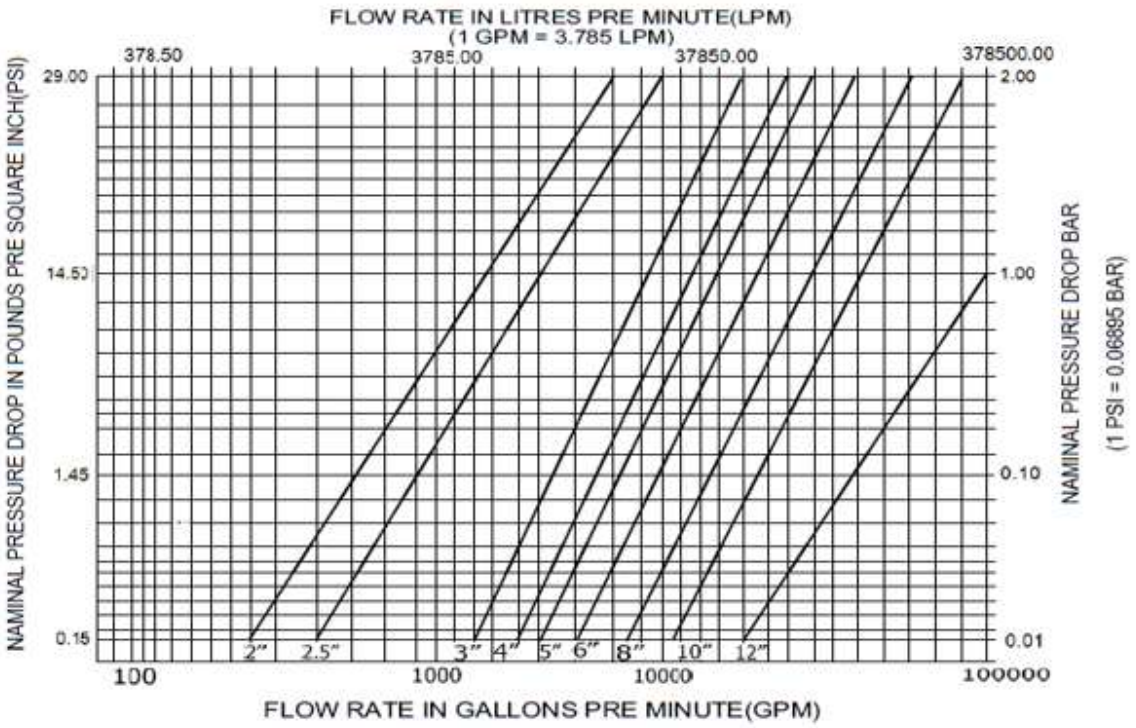
| DN | | Dimension(mm) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Inch | mm | A | B | C | L | H1 | H | ΦW | ISO5211 |
| 2“ | 50 | 140.5 | 65 | 43 | 122.5 | 127 | 202.2 | 125 | F07 |
| 2.5” | 65 | 153 | 71 | 46 | 122.5 | 127 | 202.2 | 125 | F07 |
| 3“ | 80 | 157.5 | 81 | 46 | 122.5 | 127 | 202.2 | 125 | F07 |
| 4“ | 100 | 176 | 95 | 52 | 122.5 | 127 | 202.2 | 125 | F07 |
| 5“ | 125 | 191 | 111 | 56 | 122.5 | 127 | 202.2 | 125 | F07 |
| 6“ | 150 | 202.5 | 133 | 56 | 122.5 | 139.5 | 215 | 225 | F07 |
| 8“ | 200 | 243.5 | 164 | 60 | 122.5 | 198.5 | 274 | 225 | F10 |
| 10“ | 250 | 273 | 196 | 68 | 122.5 | 198.5 | 274 | 225 | F10 |
| 12“ | 300 | 311 | 226 | 78 | 132 | 202 | 293.5 | 225 | F10 |

### 4.2 Flow rates

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Location: _____ Date: _____ Approved & Date: _____




## 4.3 Strength

Shell Test: 2 times of working pressure .
Seal Test: 2 times of working pressure.
CycleTest:1000 cycles.

## 5.0 REFERENCE MATERIALS

Approved certification for Butterfly Valve

**Sign Off:**

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Location: _____ Date: _____ Approved & Date: _____