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**DOUBLE FLANGED 13 SERIES  
TYPE BUTTERFLY VALVE WITH  
HANDLE  
FD01-BV1DF-3L**



**FTV**  
Since 2000

### APPLICATION

General Use: Water, sea water, gas,  
pressurized air, acids etc.

### CARACTERISTIQUES GENERALES

Double Flange Type Butterfly Valve.  
Design in accordance with NF EN 593. Tightness in both ways.  
Face to Face: EN558-13 Serial.

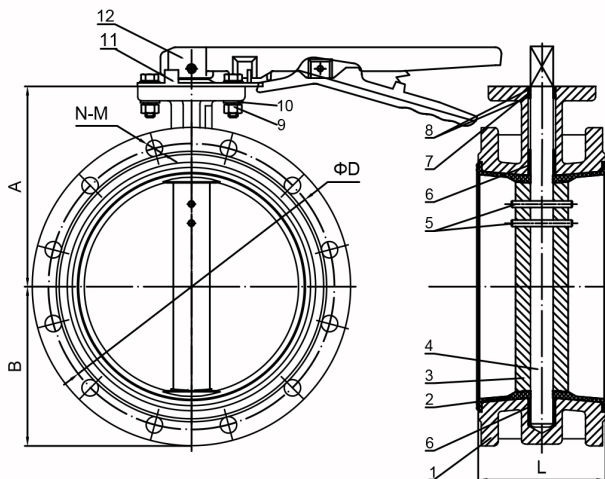
### CONSTRUCTION

| NO. | PARTS       | MATERIAL                          |
|-----|-------------|-----------------------------------|
| 1   | BODY        | CI / DI / CF8 / CF8M / WCB        |
| 2   | SEAT        | EPDM / NBR / VITON / SILICON etc  |
| 3   | DISC        | CF8 / CF8M / AL-DC / DUPLEX STEEL |
| 4   | STEM        | SS416 / SS304 / SS316             |
| 5   | PIN         | SS304 / 316                       |
| 6   | BUSHING     | PTFE / BRONZE                     |
| 7   | O-RING      | NBR / EPDM                        |
| 8   | BUSHING     | PTFE / BRONZE                     |
| 9   | BOLT&NUT    | STAINLESS STEEL / GALVANIZED      |
| 10  | FLAT WASHER | STAINLESS STEEL / GALVANIZED      |
| 11  | GEAR DISC   | CARBON STEEL                      |
| 12  | HAND SHANK  |                                   |



### DIMENSIONS

| DN<br>mm | inch | A   | B   | L   | PN10  |    |     | PN16 |    |     | ANSI 150 |    |     |
|----------|------|-----|-----|-----|-------|----|-----|------|----|-----|----------|----|-----|
|          |      |     |     |     | ΦD    | N  | M   | ΦD   | N  | M   | ΦD       | N  | M   |
| 50       | 2"   | 120 | 83  | 108 | 125.0 | 4  | Φ18 | 125  | 4  | Φ18 | 120.5    | 4  | Φ19 |
| 65       | 2.5" | 130 | 93  | 112 | 145   | 4  | Φ18 | 145  | 4  | Φ18 | 139.5    | 4  | Φ19 |
| 80       | 3"   | 145 | 100 | 114 | 160   | 8  | Φ18 | 160  | 8  | Φ18 | 152.5    | 4  | Φ19 |
| 100      | 4"   | 155 | 114 | 127 | 180   | 8  | Φ18 | 180  | 8  | Φ18 | 190.5    | 8  | Φ19 |
| 125      | 5"   | 170 | 125 | 140 | 210   | 8  | Φ18 | 210  | 8  | Φ18 | 216      | 8  | Φ22 |
| 150      | 6"   | 190 | 143 | 140 | 240   | 8  | Φ23 | 240  | 8  | Φ23 | 241.5    | 8  | Φ22 |
| 200      | 8"   | 205 | 170 | 152 | 295   | 8  | Φ23 | 295  | 12 | Φ23 | 298.5    | 8  | Φ22 |
| 250      | 10"  | 260 | 195 | 165 | 350   | 12 | Φ23 | 355  | 12 | Φ27 | 362      | 12 | Φ25 |
| 300      | 12"  | 300 | 223 | 178 | 400   | 12 | Φ23 | 410  | 12 | Φ27 | 432      | 12 | Φ25 |
| 350      | 14"  | 330 | 245 | 190 | 460   | 16 | Φ23 | 470  | 16 | Φ27 | 476      | 12 | Φ29 |



### WORKING CONDITIONS

Maximum Working Pressure: PN6 / PN10 / PN16  
Maximum Working Temperature table

| Sleeve type<br>in option | Maximum<br>Temperature | Peak<br>Temperature |
|--------------------------|------------------------|---------------------|
| EPDM                     | +4℃~+110℃              | -20℃~+130℃          |
| EPDM Blanc               | +4℃~+110℃              | -20℃~+130℃          |
| CSM(Type Hypalon)        | +4℃~+80℃               | -20℃~+110℃          |
| FPM (Type Viton)         | -10℃~+170℃             | -20℃~+200℃          |
| Silicone                 | -20℃~+170℃             | -40℃~+200℃          |
| Nitrile (NBR)            | -10℃~+80℃              | -20℃~+90℃           |

### STANDARDS

Manufacture according to the requirements of the European directive  
2014/68/EU, module H Face to face according to standards NF EN558  
SERIE 13. ISO5752, DIN3202. Mounting between flanges  
Body: 1.5 times  
Seat: 1.1 times

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