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# LUG TYPE BUTTERFLY VALVE WITH HANDLE FO1-BV1LT-1L



FTV  
Since 2000

## APPLICATION

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

## CARACTERISTIQUES GENERALES

Resilient Seat Lug Type Butterfly Valves  
Design according with BS EN593/API609  
Tightness in both ways. Lug type with threaded ears.  
Flexible sleeve adapted to the shape of the body assures low operating torque. High and low semi stem giving a high flow coefficient. Machined disc on periphery giving a low and regular torque. Unejectable stem.  
Mounting flange according to ISO 5211.

## CONSTRUCTION

|     |               |                                        |
|-----|---------------|----------------------------------------|
| 1   | BODY          | CI / DI / WCB / STAINLESS STEEL        |
| 2   | SEAT          | EPDM / NBR / PTFE / SILICON            |
| 3   | DISC          | DI / CF8 / CF8M / Al-Bc / DUPLEX STEEL |
| 4   | LOWER SHAFT   | SS304 / 316 / 416                      |
| 5   | UPPER SHAFT   | SS304 / 316 / 416                      |
| 6   | BUSHING       | PTFE / BRONZE                          |
| 7   | O-RING        | NBR / EPDM                             |
| 8   | BUSHING       | PTFE / BRONZE                          |
| 9   | BOLT          | STAINLESS STEEL                        |
| 10  | PRESSURE RING | CARBON STEEL                           |
| 11  | BOLT&NUT      | STAINLESS STEEL                        |
| 12  | FLAT WASHER   | STAINLESS STEEL                        |
| 13  | GEAR DISC     | CARBON STEEL / ALUMINUM                |
| 14  | HAND SHANK    | MALLEABLE IRON / AL / SS               |
| NO. | PARTS         | MATERIAL                               |

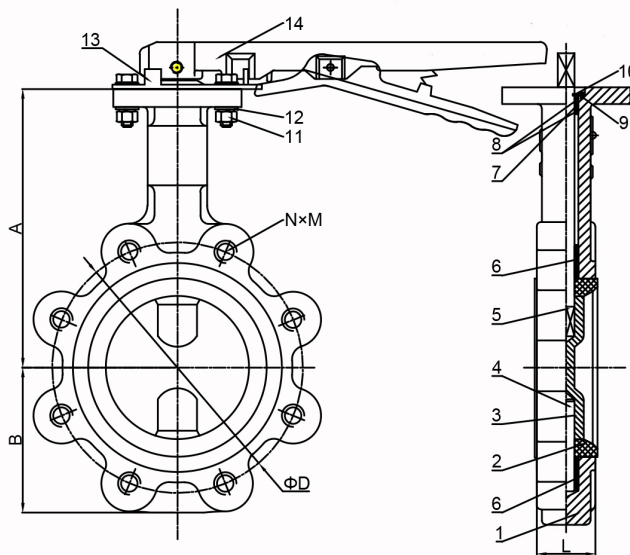
## DIMENSIONS

| DN  | mm   | INCH | A   | B  | L     | PN10 |     |     | PN16 |     |       | ANSI 150 |      |    |
|-----|------|------|-----|----|-------|------|-----|-----|------|-----|-------|----------|------|----|
|     |      |      |     |    |       | ΦD   | N   | M   | ΦD   | N   | M     | ΦD       | N    | M  |
| 50  | 2"   | 161  | 80  | 43 | 125.0 | 4    | M16 | 125 | 4    | M16 | 120.5 | 4        | 1/2" | 11 |
| 65  | 2.5" | 175  | 89  | 46 | 145   | 4    | M16 | 145 | 4    | M16 | 139.5 | 4        | 1/2" | 11 |
| 80  | 3"   | 181  | 95  | 46 | 160   | 8    | M16 | 160 | 8    | M16 | 152.5 | 4        | 1/2" | 11 |
| 100 | 4"   | 200  | 114 | 52 | 180   | 8    | M16 | 180 | 8    | M16 | 190.5 | 8        | 1/2" | 11 |
| 125 | 5"   | 213  | 127 | 56 | 210   | 8    | M16 | 210 | 8    | M16 | 216   | 8        | 1/2" | 10 |
| 150 | 6"   | 226  | 139 | 56 | 240   | 8    | M20 | 240 | 8    | M20 | 241.5 | 8        | 1/2" | 10 |
| 200 | 8"   | 260  | 175 | 60 | 295   | 8    | M20 | 295 | 8    | M20 | 298.5 | 8        | 1/2" | 10 |
| 250 | 10"  | 292  | 203 | 68 | 350   | 12   | M20 | 355 | 12   | M24 | 362   | 12       | 1/2" | 9  |
| 300 | 12"  | 337  | 242 | 78 | 400   | 12   | M20 | 410 | 12   | M24 | 432   | 12       | 1/2" | 9  |

## WORKING CONDITIONS

Maximum Working Pressure: 16 bar.  
Maximum Working Temperature table

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



## STANDARDS

Manufacture according to the requirements of the European directive 2014/68/EU, modulate H Face to face according to standards NF EN558 SERIE 20. ISO 5752, DIN3202. Mounting between flanges PN16  
Body: 24 bar  
Seat: 17.6 bar

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