

## Butterfly Valve

Model: WD-371X/WD-371Y

## Butterfly Valve c/w Signal Gearbox – Wafer End

## Technical Features

- Flange Standard: ANSI 125 / 150, DIN2501 PN10/16
- Connection: Wafer End
- Sizes: 2", 2½", 3", 4", 5", 6", 8", 10", 12"
- Approvals: UL, CUL, FM, NSF / ANSI 61 & NSF / ANSI 372
- Maximum Working Pressure: 300 PSI (Maximum Testing Pressure: 600 PSI) conforms to UL1091 & ULC / ORD-C1091 & FM 1112
- Maximum Working Temperature: 80°C / 176°F
- Application: Indoor & Outdoor Use, Fire inflow water, drain pipe, high-rising building fire fighting system, industrial factory building fire protection system
- Coating Details: Epoxy coated interior and exterior by Electrostatic Spray or coating upon request
- Disc: Ductile Iron EPDM Rubber Encapsulated
- Top Flange Standard: ISO 5211
- Certified lead-free by NSF / ANSI 61 & NSF / ANSI 372 is available

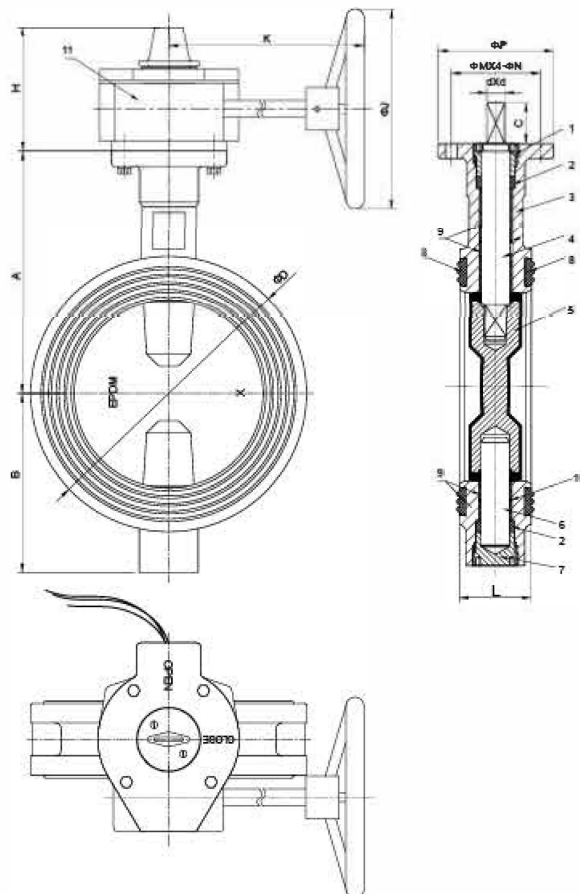


## Valve Material List

| NO. | Description             | Material            |
|-----|-------------------------|---------------------|
| 1   | Upper Shaft Sealing Nut | WCB                 |
| 2   | Shaft Seal              | EPDM                |
| 3   | Body                    | Ductile Iron        |
| 4   | Upper Shaft             | 416 Stainless Steel |
| 5   | Disc+Rubber Seat        | Ductile Iron+EPDM   |
| 6   | Lower Shaft             | 416 Stainless Steel |
| 7   | Lower Shaft Sealing Nut | WCB                 |
| 8   | End Face Seal           | EPDM                |
| 9   | Stem Bushing            | PTFE / C95400       |
| 10  | O-Ring                  | EPDM                |
| 11  | Gearbox                 |                     |

## Dimensions

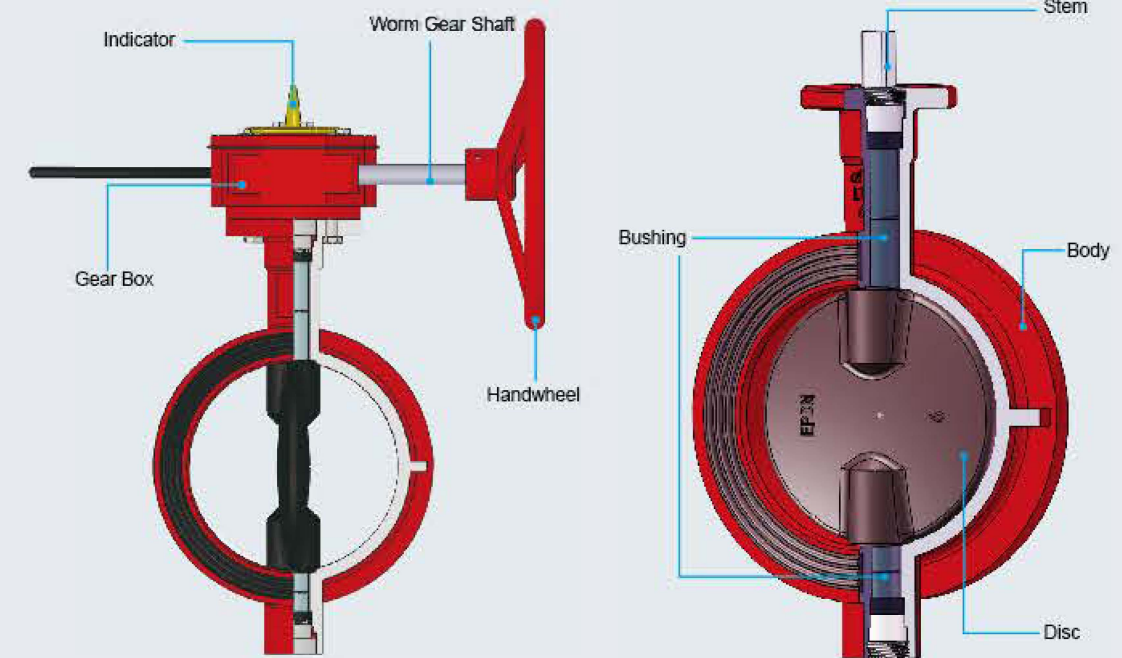
| Size | A   | B   | C  | D   | H   | K   | J   | P   | M   | N   | d  | L    |
|------|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|------|
| 2"   | 110 | 85  | 32 | 100 | 111 | 153 | 218 | 152 | 90  | 70  | 9  | 42   |
| 2½"  | 125 | 95  | 32 | 112 | 111 | 153 | 218 | 152 | 90  | 70  | 9  | 44.2 |
| 3"   | 140 | 100 | 32 | 120 | 111 | 153 | 218 | 152 | 90  | 70  | 9  | 45.3 |
| 4"   | 160 | 100 | 32 | 161 | 111 | 153 | 218 | 152 | 90  | 70  | 9  | 52   |
| 5"   | 170 | 125 | 32 | 182 | 111 | 153 | 218 | 152 | 90  | 70  | 9  | 54.4 |
| 6"   | 190 | 140 | 32 | 216 | 111 | 153 | 218 | 200 | 90  | 70  | 9  | 55.8 |
| 8"   | 230 | 175 | 32 | 260 | 126 | 210 | 232 | 300 | 125 | 102 | 12 | 60.5 |
| 10"  | 260 | 200 | 45 | 320 | 126 | 210 | 232 | 300 | 125 | 102 | 12 | 66.5 |
| 12"  | 300 | 240 | 45 | 375 | 161 | 249 | 350 | 150 | 125 | 14  | 26 | 76.9 |



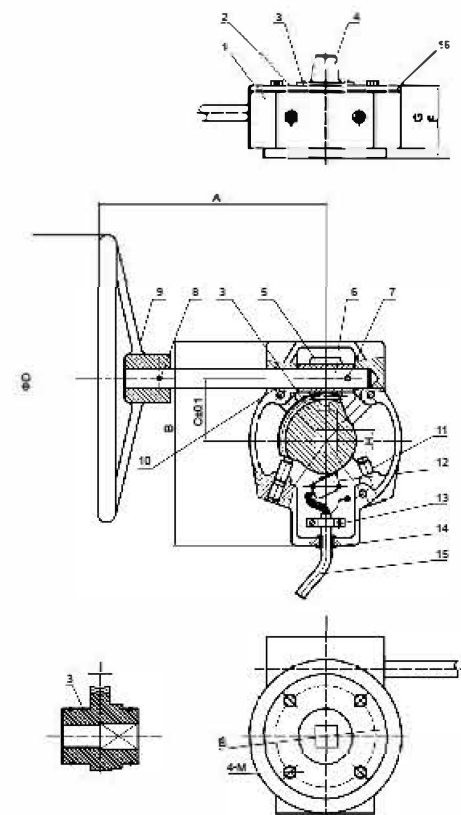
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## 3D Pictures



## Gearbox Drawing



## Gearbox Material List

| NO. | Description     | Material            |
|-----|-----------------|---------------------|
| 1   | Gear Body       | Ductile Iron        |
| 2   | Gear Cover      | Ductile Iron        |
| 3   | Worm Wheel      | Ductile Iron        |
| 4   | Indicator       | Ductile Iron        |
| 5   | Worm            | Steel               |
| 6   | Handwheel Shaft | Steel               |
| 7   | Pin             | 416 Stainless Steel |
| 8   | Pin             | 416 Stainless Steel |
| 9   | Handwheel       | Ductile Iron        |
| 10  | O-Ring          | EPDM                |
| 11  | Set Screw       | Steel               |
| 12  | Signal Switch   | Switch Assembly     |
| 13  | Clip            | Nylon               |
| 14  | Sealing Ring    | EPDM                |
| 15  | Wire            | Wire                |
| 16  | Gasket          | EPDM                |

## Dimensions

| Gearbox | Valve  | A   | B   | C   | D   | E   | F   | G   | H  | M      |
|---------|--------|-----|-----|-----|-----|-----|-----|-----|----|--------|
| 24:1    | 2"-2½" | 153 | 218 | 164 | 45  | 152 | 70  | 65  | 58 | 10 M8  |
| 24:1    | 3"     | 153 | 218 | 164 | 45  | 152 | 70  | 65  | 58 | 11 M8  |
| 24:1    | 4"-5"  | 153 | 218 | 164 | 45  | 152 | 70  | 65  | 58 | 14 M8  |
| 24:1    | 6"     | 153 | 218 | 164 | 45  | 200 | 70  | 65  | 58 | 16 M8  |
| 30:1    | 8"     | 210 | 232 | 205 | 63  | 300 | 102 | 79  | 67 | 19 M10 |
| 30:1    | 10"    | 210 | 232 | 205 | 63  | 300 | 102 | 79  | 67 | 22 M10 |
| 80:1    | 12"    | 249 | 284 | 120 | 350 | 125 | 118 | 110 | 24 | M12    |