



MATERIAL SPECIFICATION

| PART NO. | Description             | Material Specification | Remark     |
|----------|-------------------------|------------------------|------------|
| 1        | Upper Shaft Sealing Nut | WCB                    | ASTM A216  |
| 2        | Shaft Seal              | EPDM                   | ASTM D2000 |
| 3        | Body                    | DI                     | ASTM A536  |
| 4        | Upper Shaft             | SS416                  | ASTM A582  |
| 5        | Disc                    | DI+EPDM                |            |
| 6        | Lower Shaft             | SS416                  | ASTM A582  |
| 7        | Lower Shaft Sealing Nut | WCB                    | ASTM A216  |
| 8        | End Face Seal           | EPDM                   | ASTM D2000 |
| 9        | Stem Bushing            | 8":C95400              | ASTM B148  |
|          |                         | 2.5"-6":PTFE           | ASTM D4894 |
| 10       | Gear Box                |                        |            |

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list

| DN   | Dimensions(Inch/mm) |      |      |       |      |      |      |       |      |      |      |      |      |
|------|---------------------|------|------|-------|------|------|------|-------|------|------|------|------|------|
|      | A                   | B    | C    | D     | H    | K    |      | J     | P    | M    | N    | d    | L    |
| 2.5" | 4.92                | 3.74 | 1.26 | 4.41  | 4.37 | 6.02 | 8.58 | 5.98  | 3.54 | 2.76 | 0.35 | 0.39 | 1.74 |
| 3"   | 5.51                | 3.94 | 1.26 | 4.72  | 4.37 | 6.02 | 8.58 | 5.98  | 3.54 | 2.76 | 0.35 | 0.43 | 1.78 |
| 4"   | 6.30                | 3.94 | 1.26 | 6.34  | 4.37 | 6.02 | 8.58 | 5.98  | 3.54 | 2.76 | 0.35 | 0.55 | 2.05 |
| 5"   | 6.69                | 4.92 | 1.26 | 7.17  | 4.37 | 6.02 | 8.58 | 5.98  | 3.54 | 2.76 | 0.35 | 0.55 | 2.14 |
| 6"   | 7.48                | 5.51 | 1.26 | 8.50  | 4.37 | 6.02 | 8.58 | 7.87  | 3.54 | 2.76 | 0.35 | 0.63 | 2.20 |
| 8"   | 9.06                | 6.89 | 1.26 | 10.24 | 4.96 | 8.27 | 9.13 | 11.81 | 4.92 | 4.02 | 0.47 | 0.75 | 2.38 |
| 10"  | 10.24               | 7.87 | 1.77 | 12.60 | 4.96 | 8.27 | 9.13 | 11.81 | 4.92 | 4.02 | 0.47 | 0.87 | 2.62 |
| 12"  | 11.81               | 9.45 | 1.77 | 14.76 | 6.34 | 9.92 | 9.92 | 13.78 | 5.91 | 4.92 | 0.55 | 0.94 | 3.03 |

- Design Standard: API609.
- Connection Ends: Flange to ASME B16.1 CL 125.
- Top Flange Standard: ISO 5211.  
Stem drive by keys, parallel or diagonal square or flat head.
- Working Pressure: 300PSI  
175PSI, 200PSI and 250PSI available upon request.
- Temperature Range: 0°-80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550 or painting upon request.

|                                   |                                |  |         |
|-----------------------------------|--------------------------------|--|---------|
| <b>DRAWN BY:</b><br>Cindy Zhang   | <b>DRAWING #</b><br>JKDWD-371X | <b>Wafer Butterfly Valve with Tamper Switch<br/>(JKDWD-371X)</b> |         |
|                                   |                                | <b>Series NO.:</b> JKDWD-371X                                    |         |
| <b>CHECKED BY:</b><br>Cherry Chen |                                |  | REV.00. |
| <b>APPROVED BY:</b><br>Meng Xiang | <b>ISSUE DATE:</b><br>160427-8 |  |         |