



BUTTERFLY VALVE → DN550-DN1000 single flange butterfly valve

Medium Capability:

Freshwater, Sea water, Air, steam, food, medicine and kinds of oil, acid, alkali, salt.

Feature:

Long service life with reliable seal and without frequent maintenance. Butterfly valve have flow characteristics three times better than globe valve, and about 75% of a same size gate valve. Butterfly valve can be used for on/off service and throttling, They are superior in Multi-function as compared to gate or globe valves. Butterfly valve can be widely used in chemical field due to trim options and choice of elastomeric liner .

Butterfly valve have feature of light in weight and small in size, for example, weight and size of a 10” butterfly valve are 1/9 and 1/6 of a 10” gate valve. So butterfly valve is easy to install and save cost of piping system. Butterfly valve with resilient seat design can be bubble tight as compared to metal seated gate or globe valves. Butterfly valves offer 90-degree open to close. Butterfly valve is approximate 35-40% cost of a same size gate valve. Also low installed cost than gate valve.

Properly installed butterfly valves are self cleaning and are less susceptible to failure due to trash material in pipe.

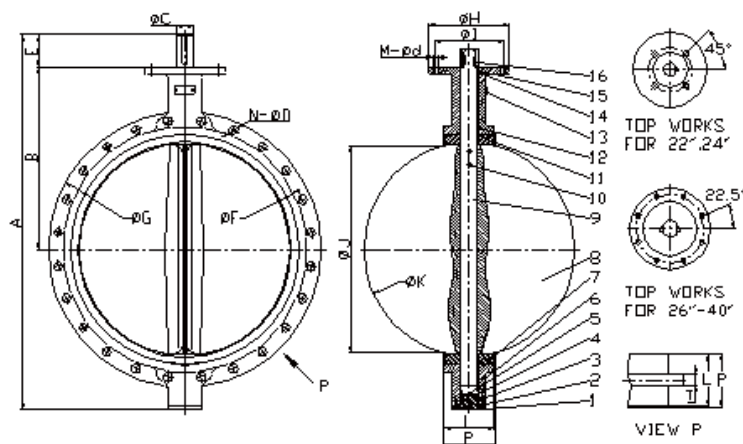


| Item | Qty | Part Name |
|------|-----|-----------------|
| 1 | 4 | Hex Bolts |
| 2 | 1 | “O”Ring |
| 3 | 1 | Bottom Cover |
| 4 | 1 | AdjustingGesket |
| 5 | 1 | Ball |
| 6 | 1 | Body |
| 7 | 1 | Lower Bushing |
| 8 | 1 | Disc |
| 9 | 1 | Stem |
| 10 | 2 | Taper Pin |
| 11 | 1 | Seat |
| 12 | 1 | Mid Bushing |
| 13 | 1 | Nameplate |
| 14 | 2 | Upper Bushing |
| 15 | 1 | “O”Ring |
| 16 | 1~2 | Key |



Structure and Parts List for Single Flange Butterfly Valve

Nominal Pressure: PN10



| Body | DISC | Stem | Bushing | Seat | |
|-----------------|-----------------|----------|--------------------|--------------------|--------------|
| | | Material | | Material | |
| | | | | WorkingTemperature | |
| | | | | (°C) | |
| C.I | DI | 416SS | LubricativeBronze | NR | -20°C-+85°C |
| D.I | WCB | 431SS | Macromolecule+PTFE | HYPALON | -18°C-+135°C |
| WCB | AL-Brz | 316SS | 316SS+PTFE | EPDM | -30°C-+110°C |
| AL-Brz | Stainless Steel | | | NEOPRENE | -7°C-+93°C |
| Stainless Steel | | | | NBR | -12°C-+82°C |
| | | | | WRR | -10°C-+50°C |
| | | | | VITON | -23°C-+150°C |
| | | | | HRR | -20°C-+150°C |
| | | | | PTFE | +10°C-+150°C |

Outline Dimensions and Weight for DN550-DN1000 Butterfly Valve

| Valve Size | | A | B | C | N | D | E | F | G | H |
|------------|-------|------|-----|-------|----|----|-----|------|------|-----|
| Inch | mm | | | | | | | | | |
| 22* | 550 * | 972 | 537 | 50.62 | 20 | 33 | 66 | 680 | 745 | 276 |
| 24 | 600 | 1021 | 562 | 50.62 | 20 | 31 | 66 | 725 | 824 | 276 |
| 26* | 650 * | 1063 | 591 | 63.35 | 24 | 33 | 66 | 780 | 845 | 300 |
| 28 | 700 | 1144 | 624 | 63.35 | 24 | 31 | 66 | 840 | 895 | 300 |
| 32 | 800 | 1263 | 672 | 63.35 | 24 | 34 | 66 | 950 | 1015 | 300 |
| 34 * | 850 * | 1294 | 695 | 75.00 | 28 | 33 | 118 | 1000 | 1070 | 300 |
| 40 | 1000 | 1521 | 800 | 85.00 | 28 | 37 | 141 | 1160 | 1230 | 300 |



| Valve Size | | I | J | K | L | M | d | P | T | Weight |
|------------|-------|-----|-------|-------|-------|---|----|-----|----|--------|
| Inch | mm | | | | | | | | | Kgs. |
| 22* | 550 * | 165 | 529.9 | 542.5 | 151.4 | 4 | 22 | 156 | 30 | 175 |
| 24 | 600 | 165 | 571.6 | 592.5 | 151.4 | 4 | 22 | 156 | 30 | 188 |
| 26 * | 650 * | 254 | 625.9 | 647.3 | 165.0 | 8 | 18 | 171 | 30 | 271 |
| 28 | 700 | 254 | 675.6 | 695.0 | 163.0 | 8 | 18 | 169 | 30 | 284 |
| 32 | 800 | 254 | 772.1 | 795.0 | 188.0 | 8 | 18 | 195 | 30 | 368 |
| 34 * | 850 * | 254 | 796.2 | 814.7 | 203.0 | 8 | 18 | 211 | 47 | 685 |
| 40 | 1000 | 254 | 940.5 | 965.0 | 216.0 | 8 | 18 | 224 | 50 | 864 |

Note: Dimensions for mounting flange above mentioned conform BS4504 PN10, and top mounting conform to ISO5211. When required, standards from other countries or any special requirements are also available. (Mounting Flange of Valve Size with ‘*’ conform JIS B2220 10K) .