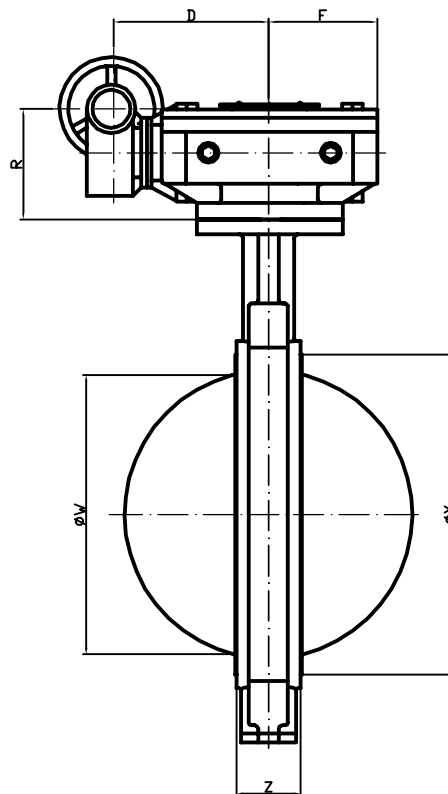
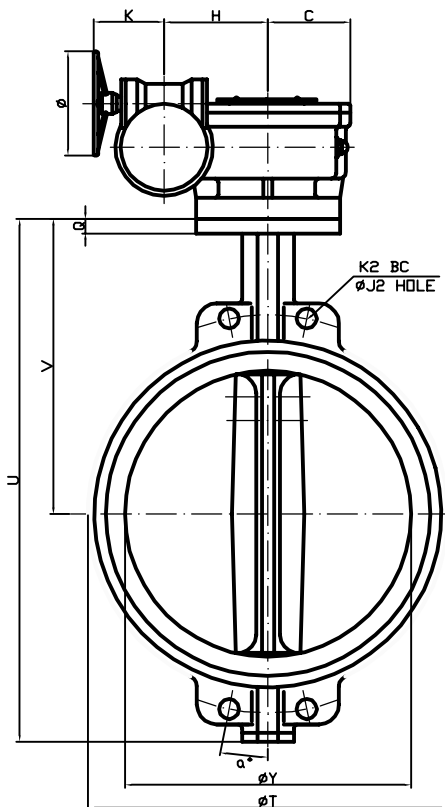
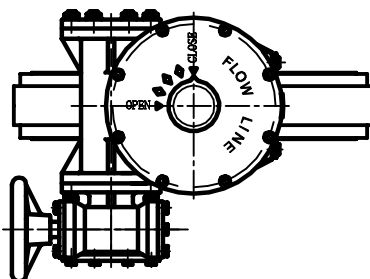


| Valve Size | Z    | Y     | X     | W     | V     | U     | T     | R    | Q    | C    | K    | Ø     | F    | D    | H    | JOINT FLANGE DRILLING |        |      |        | WGT lb |
|------------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|-----------------------|--------|------|--------|--------|
|            |      |       |       |       |       |       |       |      |      |      |      |       |      |      |      | K2                    | #HOLES | J2   | a°     |        |
| 16         | 3.41 | 15.34 | 17.29 | 14.96 | 15.75 | 27.91 | 19.21 | 4.53 | 0.79 | 3.78 | 5.63 | 11.18 | 3.86 | 6.5  | 3.62 | 21.25                 | 4      | 1.06 | 11.25° | 258    |
| 18         | 4.16 | 17.34 | 19.25 | 16.85 | 16.61 | 29.53 | 21.22 | 4.53 | 0.79 | 3.78 | 5.63 | 11.18 | 3.86 | 6.5  | 3.62 | 22.75                 | 4      | 1.25 | 11.25° | 297    |
| 20         | 5.13 | 19.35 | 21.02 | 18.62 | 18.90 | 33.11 | 23.35 | 4.21 | 0.87 | 4.09 | 5.63 | 11.18 | 4.15 | 6.69 | 3.62 | 25                    | 4      | 1.25 | 9°     | 361    |
| 24         | 5.96 | 23.33 | 25.74 | 22.52 | 22.13 | 40.20 | 32.13 | 5.24 | 0.87 | 5.51 | 6.32 | 15.28 | 5.49 | 7.85 | 4.84 | 29.5                  | 4      | 1.38 | 9°     | 572    |



|                  |                 |  |             |     |
|------------------|-----------------|--|-------------|-----|
| VALVE SIZE       | FLANGE DRILLING | <b>DIMENSIONAL DATA SHEET</b><br><b>WAFER TYPE BUTTERFLY</b><br><b>VALVE GEAR OPERATOR</b><br><b>SERIES 84</b><br><b>SIZES 16"-24"</b> | PART NO.    |     |
| PRESSURE RATING  |                 |  | DRAWING NO. | REV |
| CUSTOMER/PROJECT |                 |  | FL84-003    | A   |
| INQ/PO NO.       |                 |  | DATE        |     |
| ORDER NO.        |                 |  | 6/15/09     |     |
| CERTIFIED BY     | DATE            |  |             |     |