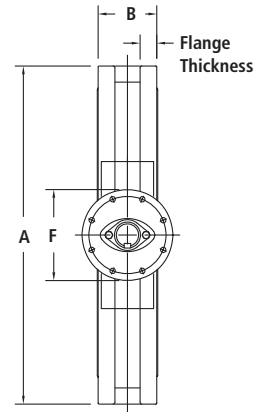
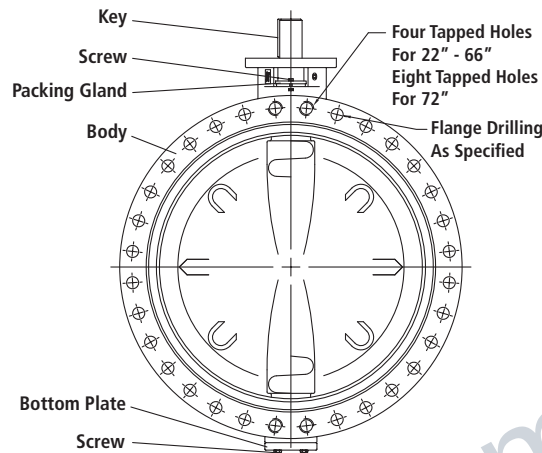
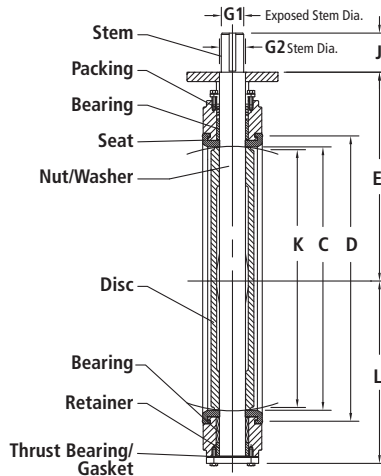


### Series 35-36 Double Flange



#### IMPERIAL DIMENSIONS: Inches

| Valve Size<br>Ins | A               | B     | Flange<br>Thk. | C     | D     | E     | F     | Mounting Flange Drilling |           |           | G2   | SERIES 35 |      |          |       | SERIES 36 |       |          |       | L     | Weight<br>(lbs.) |
|-------------------|-----------------|-------|----------------|-------|-------|-------|-------|--------------------------|-----------|-----------|------|-----------|------|----------|-------|-----------|-------|----------|-------|-------|------------------|
|                   |                 |       |                |       |       |       |       | PCD                      | No. Holes | Hole Dia. |      | G1        | J    | Key Size | K     | G1        | J     | Key Size | K     |       |                  |
| 22                | 31.25           | 6.06  | 1.53           | 21.27 | 24.12 | 20.12 | 8.27  | 6.50                     | 4         | .81       | 2.50 | 2.50      | 4.00 | .62x.62  | 20.51 | 2.50      | 4.00  | .62x.62  | 20.56 | 16.56 | 475              |
| 24                | 33.00           | 5.94  | 1.47           | 23.28 | 25.75 | 19.50 | 8.27  | 6.50                     | 4         | .81       | 2.50 | 2.50      | 4.00 | .62x.62  | 22.65 | 2.50      | 4.00  | .62x.62  | 22.70 | 17.56 | 500              |
| 26                | 35.25           | 6.50  | 1.59           | 24.46 | 27.83 | 21.83 | 11.81 | 10.00                    | 8         | .71       | 2.50 | 2.50      | 4.00 | .62x.62  | 23.71 | 2.50      | 4.00  | .62x.62  | 23.76 | 18.82 | 675              |
| 28                | 37.80           | 6.50  | 1.59           | 26.46 | 29.83 | 22.84 | 11.81 | 10.00                    | 8         | .71       | 2.50 | 2.50      | 4.00 | .62x.62  | 25.74 | 2.50      | 4.00  | .62x.62  | 25.78 | 19.83 | 735              |
| 30                | 38.75           | 6.56  | 1.75           | 29.29 | 32.14 | 23.00 | 11.81 | 10.00                    | 8         | .71       | 3.00 | 2.50      | 4.00 | .62x.62  | 28.68 | 3.00      | 4.00  | .75x.75  | 28.73 | 20.81 | 855              |
| 32                | 41.75           | 7.48  | 2.00           | 30.39 | 33.78 | 26.38 | 11.81 | 10.00                    | 8         | .71       | 3.00 | 2.50      | 4.00 | .62x.62  | 29.59 | 3.00      | 4.00  | .75x.75  | 29.65 | 21.94 | 1010             |
| 34                | 44.69           | 7.88  | 2.00           | 33.00 | 35.82 | 26.93 | 13.78 | 11.73                    | 8         | .81       | 3.50 | 3.00      | 4.00 | .75x.75  | 32.18 | 3.50      | 5.25  | .88x.62  | 32.22 | 23.66 | 1165             |
| 36                | 46.00           | 7.88  | 2.00           | 35.30 | 38.25 | 27.75 | 13.78 | 11.73                    | 8         | .81       | 3.50 | 3.00      | 4.00 | .75x.75  | 34.57 | 3.50      | 5.25  | .88x.62  | 34.62 | 24.94 | 1320             |
| 40                | 50.75           | 8.50  | 1.97           | 38.27 | 41.66 | 30.79 | 13.78 | 11.73                    | 8         | .81       | 4.00 | 3.50      | 5.25 | .88x.62  | 37.44 | 4.00      | 5.25  | 1.0x.75  | 37.49 | 26.56 | 2140             |
| 42                | 53.00           | 9.88  | 2.62           | 41.25 | 44.62 | 32.00 | 13.78 | 11.73                    | 8         | .81       | 4.00 | 3.50      | 5.25 | .88x.62  | 40.21 | 4.00      | 5.25  | 1.0x.75  | 40.25 | 27.81 | 2550             |
| 44                | 55.25           | 9.88  | 2.62           | 43.25 | 46.72 | 33.12 | 13.78 | 11.73                    | 8         | .81       | 4.00 | 3.50      | 5.25 | .88x.62  | 42.24 | 4.00      | 5.25  | 1.0x.75  | 42.29 | 29.06 | 2800             |
| 48                | 59.50           | 10.88 | 2.75           | 47.25 | 50.62 | 36.00 | 16.34 | 14.02                    | 8         | 1.28      | 5.00 | 4.00      | 5.25 | 1.0x.75  | 46.16 | 5.00      | 6.00  | 1.25x.88 | 46.21 | 31.06 | 3200             |
| 52                | Consult Factory |       |                |       |       |       |       |                          |           |           |      |           |      |          |       |           |       |          |       |       |                  |
| 54                | 69.00           | 15.00 | 3.08           | 54.00 | 57.50 | 40.62 | 13.78 | 11.73                    | 8         | .81       | 6.00 | 5.00      | 5.25 | 1.25x.88 | 52.02 | —         | —     | —        | —     | 37.25 | 6000             |
| 54                | 69.00           | 15.00 | 3.08           | 54.00 | 57.50 | 40.62 | 16.34 | 14.02                    | 8         | 1.28      | 6.00 | —         | —    | —        | —     | 6.00      | 6.50  | 1.5x1.0  | 52.06 | 37.25 | 6000             |
| 56                | Consult Factory |       |                |       |       |       |       |                          |           |           |      |           |      |          |       |           |       |          |       |       |                  |
| 60                | 73.00           | 15.00 | 3.13           | 58.39 | 63.07 | 44.31 | 16.34 | 14.02                    | 8         | 1.38      | 7.00 | 6.00      | 6.50 | 1.5x1.0  | 56.67 | —         | —     | —        | —     | 39.12 | 7000             |
| 60                | 73.00           | 15.00 | 3.13           | 58.39 | 63.07 | 44.31 | 18.70 | 15.98                    | 8         | 1.56      | 7.00 | —         | —    | —        | —     | 7.00      | 7.50  | 1.75x1.5 | 56.72 | 39.12 | 7000             |
| 64                | Consult Factory |       |                |       |       |       |       |                          |           |           |      |           |      |          |       |           |       |          |       |       |                  |
| 66                | 80.00           | 18.00 | 3.25           | 65.12 | 70.04 | 48.75 | 16.34 | 14.02                    | 8         | 1.38      | 7.00 | 6.00      | 6.50 | 1.5x1.0  | 62.84 | —         | —     | —        | —     | 43.80 | 8000             |
| 66                | 80.00           | 18.00 | 3.25           | 65.12 | 70.04 | 48.75 | 18.70 | 15.98                    | 8         | 1.56      | 7.00 | —         | —    | —        | —     | 7.00      | 7.50  | 1.75x1.5 | 62.88 | 43.80 | 8000             |
| 72                | 86.50           | 18.00 | 3.50           | 69.22 | 73.90 | 52.25 | 22.05 | 15.98                    | 8         | 1.56      | 8.50 | 7.50      | 8.00 | 1.75x1.5 | 67.06 | —         | —     | —        | —     | 46.92 | 11250            |
| 72                | 86.50           | 18.00 | 3.50           | 69.22 | 73.90 | 52.25 | 22.05 | 19.02                    | 12        | 1.56      | 8.50 | —         | —    | —        | —     | 8.50      | 10.00 | 2.0x1.5  | 67.10 | 46.92 | 11250            |
| 78                | 93.00           | 18.00 | 3.63           | 76.37 | 81.29 | 55.00 | 27.00 | 19.02                    | 12        | 1.31      | 8.50 | 7.50      | 8.00 | 1.75x1.5 | 74.49 | —         | —     | —        | —     | 51.28 | 12950            |
| 78                | 93.00           | 18.00 | 3.63           | 76.37 | 81.29 | 55.00 | 27.00 | 19.02                    | 12        | 1.56      | 8.50 | —         | —    | —        | —     | 8.50      | 8.50  | 2.0x1.5  | 74.54 | 51.28 | 12950            |
| 84                | 99.76           | 18.00 | 3.63           | 82.62 | 87.54 | 58.88 | 27.00 | 23.74                    | 20        | 1.31      | 9.50 | 8.50      | 8.50 | 2.0x1.5  | 80.91 | —         | —     | —        | —     | 55.66 | 14500            |
| 84                | 99.76           | 18.00 | 3.63           | 82.62 | 87.54 | 58.88 | 27.00 | 23.74                    | 20        | 1.56      | 9.50 | —         | —    | —        | —     | 9.50      | 10.00 | 2.5x1.75 | 80.96 | 55.66 | 14500            |
| 90                | Consult Factory |       |                |       |       |       |       |                          |           |           |      |           |      |          |       |           |       |          |       |       |                  |
| 96                | Consult Factory |       |                |       |       |       |       |                          |           |           |      |           |      |          |       |           |       |          |       |       |                  |

Note: K dimension is disc chordal dimension at valve face.

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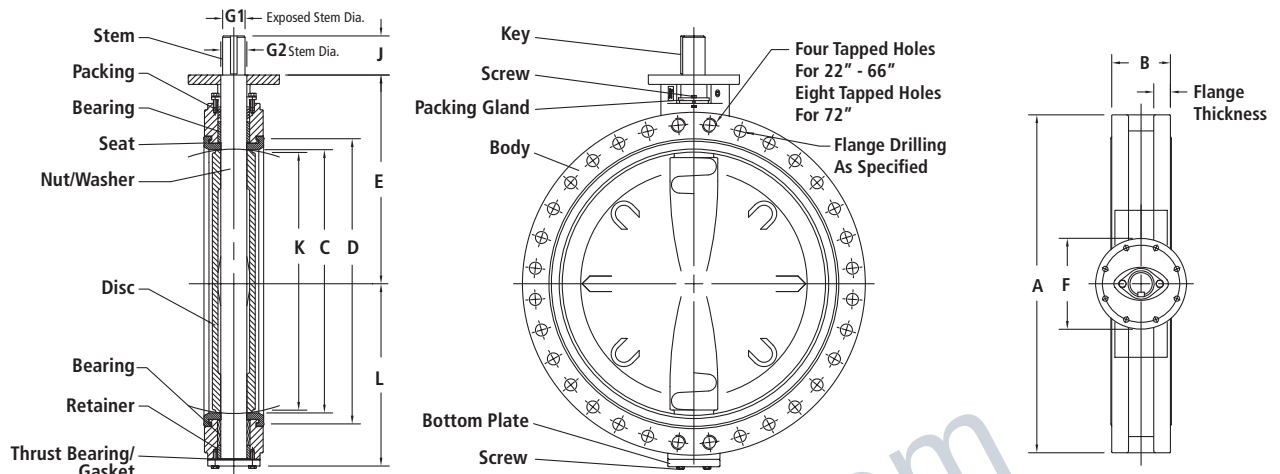
Inquire/P.O. No.: \_\_\_\_\_

Bray Order No.: \_\_\_\_\_

SR Drawing #35/36-22/96-in

Customer/Project: \_\_\_\_\_

## Series 35-36 Double Flange



| METRIC DIMENSIONS: Millimeters |                 |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             | ANSI Class 125/150 Valves |  |  |  |
|--------------------------------|-----------------|-----|-------------|------|------|------|-----|--------------------------|-----------|-----------|-----|-----------|-----|----------|------|-----------|-----|----------|------|------|-------------|---------------------------|--|--|--|
| Valve Size mm                  | A               | B   | Flange Thk. | C    | D    | E    | F   | Mounting Flange Drilling |           |           | G2  | SERIES 35 |     |          |      | SERIES 36 |     |          |      | L    | Weight (kg) |                           |  |  |  |
|                                |                 |     |             |      |      |      |     | PCD                      | No. Holes | Hole Dia. |     | G1        | J   | Key Size | K    | G1        | J   | Key Size | K    |      |             |                           |  |  |  |
| 550                            | 794             | 154 | 39          | 540  | 613  | 511  | 210 | 165                      | 4         | 21        | 64  | 64        | 102 | 16 x 16  | 521  | 64        | 102 | 16 x 16  | 522  | 421  | 215         |                           |  |  |  |
| 600                            | 838             | 151 | 37          | 591  | 654  | 495  | 210 | 165                      | 4         | 21        | 64  | 64        | 102 | 16 x 16  | 575  | 64        | 102 | 16 x 16  | 576  | 446  | 227         |                           |  |  |  |
| 650                            | 895             | 165 | 40          | 621  | 707  | 554  | 300 | 254                      | 8         | 18        | 64  | 64        | 102 | 16 x 16  | 602  | 64        | 102 | 16 x 16  | 602  | 478  | 306         |                           |  |  |  |
| 700                            | 960             | 165 | 40          | 672  | 758  | 580  | 300 | 254                      | 8         | 18        | 64  | 64        | 102 | 16 x 16  | 654  | 64        | 102 | 16 x 16  | 655  | 504  | 333         |                           |  |  |  |
| 750                            | 984             | 167 | 45          | 744  | 816  | 584  | 300 | 254                      | 8         | 18        | 76  | 64        | 102 | 16 x 16  | 728  | 76        | 102 | 19 x 19  | 730  | 529  | 388         |                           |  |  |  |
| 800                            | 1060            | 190 | 51          | 772  | 858  | 670  | 300 | 254                      | 8         | 18        | 76  | 64        | 102 | 16 x 16  | 752  | 76        | 102 | 19 x 19  | 752  | 557  | 458         |                           |  |  |  |
| 850                            | 1135            | 200 | 51          | 838  | 910  | 684  | 350 | 298                      | 8         | 21        | 89  | 76        | 102 | 19 x 19  | 817  | 89        | 133 | 22 x 16  | 818  | 601  | 528         |                           |  |  |  |
| 900                            | 1168            | 200 | 51          | 897  | 972  | 705  | 350 | 298                      | 8         | 21        | 89  | 76        | 102 | 19 x 19  | 878  | 89        | 133 | 22 x 16  | 879  | 633  | 599         |                           |  |  |  |
| 1000                           | 1289            | 216 | 50          | 972  | 1058 | 782  | 350 | 298                      | 8         | 21        | 102 | 89        | 133 | 22 x 16  | 951  | 102       | 133 | 25 x 19  | 952  | 675  | 971         |                           |  |  |  |
| 1050                           | 1346            | 251 | 67          | 1048 | 1133 | 813  | 350 | 298                      | 8         | 21        | 102 | 89        | 133 | 22 x 16  | 1021 | 102       | 133 | 25 x 19  | 1022 | 706  | 1157        |                           |  |  |  |
| 1100                           | 1403            | 251 | 67          | 1099 | 1187 | 841  | 350 | 298                      | 8         | 21        | 102 | 89        | 133 | 22 x 16  | 1073 | 102       | 133 | 25 x 19  | 1074 | 738  | 1270        |                           |  |  |  |
| 1200                           | 1511            | 276 | 70          | 1200 | 1286 | 914  | 415 | 356                      | 8         | 33        | 127 | 102       | 133 | 25 x 19  | 1172 | 127       | 152 | 32 x 22  | 1174 | 789  | 1451        |                           |  |  |  |
| 1300                           | CONSULT FACTORY |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             |                           |  |  |  |
| 1350                           | 1753            | 381 | 78          | 1372 | 1461 | 1032 | 350 | 298                      | 8         | 21        | 152 | 127       | 133 | 32 x 22  | 1321 | —         | —   | —        | —    | 946  | 2722        |                           |  |  |  |
| 1350                           | 1753            | 381 | 78          | 1372 | 1461 | 1032 | 415 | 356                      | 8         | 33        | 152 | —         | —   | —        | —    | 152       | 165 | 38 x 25  | 1322 | 946  | 2722        |                           |  |  |  |
| 1400                           | CONSULT FACTORY |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             |                           |  |  |  |
| 1500                           | 1854            | 381 | 80          | 1483 | 1602 | 1125 | 415 | 356                      | 8         | 35        | 178 | 152       | 165 | 38 x 25  | 1439 | —         | —   | —        | —    | 994  | 3175        |                           |  |  |  |
| 1500                           | 1854            | 381 | 80          | 1483 | 1602 | 1125 | 475 | 406                      | 8         | 40        | 178 | —         | —   | —        | —    | 178       | 191 | 45 x 38  | 1441 | 994  | 3175        |                           |  |  |  |
| 1600                           | CONSULT FACTORY |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             |                           |  |  |  |
| 1650                           | 2032            | 457 | 83          | 1654 | 1779 | 1238 | 415 | 356                      | 8         | 35        | 178 | 152       | 165 | 39 x 25  | 1596 | —         | —   | —        | —    | 1113 | 3629        |                           |  |  |  |
| 1650                           | 2032            | 457 | 83          | 1654 | 1779 | 1238 | 475 | 406                      | 8         | 40        | 178 | —         | —   | —        | —    | 178       | 191 | 45 x 38  | 1597 | 1113 | 3629        |                           |  |  |  |
| 1800                           | 2197            | 457 | 90          | 1758 | 1877 | 1327 | 560 | 406                      | 8         | 40        | 216 | 191       | 203 | 45 x 38  | 1703 | —         | —   | —        | —    | 1192 | 5103        |                           |  |  |  |
| 1800                           | 2197            | 457 | 90          | 1758 | 1877 | 1327 | 560 | 483                      | 12        | 40        | 216 | —         | —   | —        | —    | 216       | 254 | 51 x 38  | 1704 | 1192 | 5103        |                           |  |  |  |
| 2000                           | 2362            | 457 | 92          | 1940 | 2065 | 1397 | 686 | 483                      | 12        | 33        | 216 | 191       | 203 | 45 x 38  | 1892 | —         | —   | —        | —    | 1303 | 5874        |                           |  |  |  |
| 2000                           | 2362            | 457 | 92          | 1940 | 2065 | 1397 | 686 | 483                      | 12        | 40        | 216 | —         | —   | —        | —    | 216       | 216 | 51 x 38  | 1893 | 1303 | 5874        |                           |  |  |  |
| 2100                           | 2534            | 457 | 92          | 2099 | 2224 | 1496 | 686 | 603                      | 20        | 33        | 241 | 216       | 216 | 51 x 38  | 2055 | —         | —   | —        | —    | 1414 | 6577        |                           |  |  |  |
| 2100                           | 2534            | 457 | 92          | 2099 | 2224 | 1496 | 686 | 603                      | 20        | 40        | 241 | —         | —   | —        | —    | 241       | 254 | 64 x 45  | 2056 | 1414 | 6577        |                           |  |  |  |
| 2200                           | CONSULT FACTORY |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             |                           |  |  |  |
| 2400                           | CONSULT FACTORY |     |             |      |      |      |     |                          |           |           |     |           |     |          |      |           |     |          |      |      |             |                           |  |  |  |

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