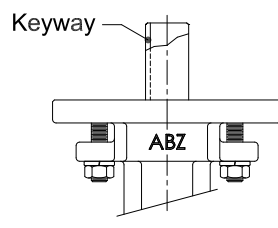
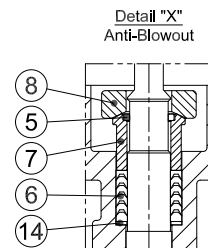


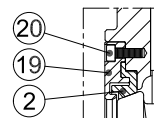
Top View



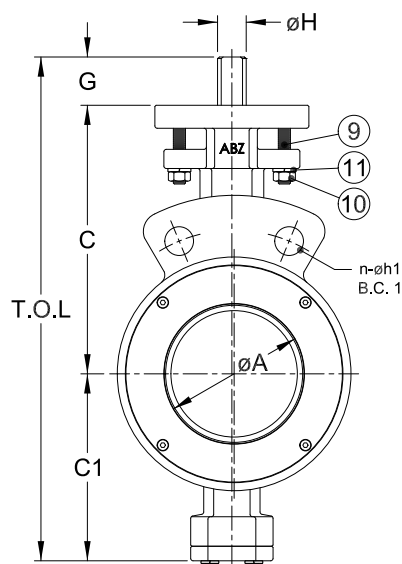
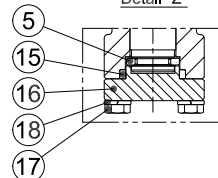
10" & 12" Stem



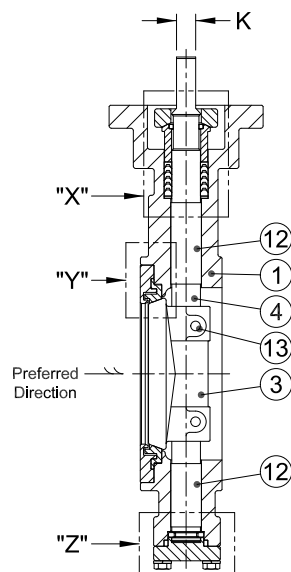
Detail "Y"



Detail "Z"



Flow View



Section View

Parts Schedule

| Item No. | Name             | Material | No. Req'd |
|----------|------------------|----------|-----------|
| 1        | Body             | -        | 1         |
| 2        | Seat Ring        | -        | 1         |
| 3        | Disc             | -        | 1         |
| 4        | Stem             | -        | 1         |
| 5        | Retainer Ring    | -        | 2         |
| 6        | Packing          | -        | 1 Set     |
| 7        | Packing Gland    | -        | 1         |
| 8        | Gland Flange     | -        | 1         |
| 9        | Gland Bolt       | -        | 2         |
| 10       | Nut              | -        | 2         |
| 11       | Spring Washer    | -        | 2         |
| 12       | Bush Bearing     | -        | 2         |
| 13       | Disc Pin         | -        | 1 Set     |
| 14       | Packing Retainer | -        | 1         |
| 15       | Cap Packing      | -        | 1         |
| 16       | Cap              | -        | 1         |
| 17       | Cap Bolt         | -        | 1 Set     |
| 18       | Spring Washer    | -        | 1 Set     |
| 19       | Seat Retainer    | -        | 1         |
| 20       | Retainer Bolt    | -        | 1 Set     |

Notes:

- Design : ANSI B16.34 & API 609
- Gasket Contact Surface : Finish 125~250 AARH
- Face to Face Dimension : API 609 Category B
- Flange Connection : ANSI B16.5 Class 150
- Installation Direction: Bi-Directional / Not For Dead End Service
- Rated for full vacuum in non-preferred direction.

Valve Dimensions

| Valve Size |     | Valve Dimensions |       |       |      |      |      |       |      |           |       | Test Pressure(Psig) |         | Hydraulic |     |       |     | Air   |   |
|------------|-----|------------------|-------|-------|------|------|------|-------|------|-----------|-------|---------------------|---------|-----------|-----|-------|-----|-------|---|
|            |     | ØA               | C     | C1    | D    | ØF   | G    | ØH    | K    | Keyway    | T.O.L | Weight              | API 598 | Shell     | 450 | Seat  | 325 | Seat  | - |
| Inch       | MM  |                  |       |       |      |      |      |       |      |           |       |                     |         |           |     |       |     |       |   |
| 2"         | 50  | 1.85             | 4.92  | 3.94  | 1.69 | 4.02 | 1.26 | .551  | .374 | —         | 10.12 | 9 lbs               | 3.25    | 4         | .43 | 4.75  | 2   | .750  |   |
| 2 1/2"     | 65  | 2.40             | 5.87  | 4.02  | 1.85 | 4.02 | 1.26 | .626  | .437 | —         | 11.15 | 12 lbs              | 3.25    | 4         | .43 | 5.50  | 2   | .750  |   |
| 3"         | 80  | 2.83             | 6.30  | 4.41  | 1.89 | 4.02 | 1.26 | .626  | .437 | —         | 11.97 | 13 lbs              | 3.25    | 4         | .43 | 6.00  | 2   | .750  |   |
| 4"         | 100 | 3.74             | 7.01  | 4.88  | 2.13 | 4.02 | 1.26 | .748  | .500 | —         | 13.15 | 18 lbs              | 3.25    | 4         | .43 | 7.50  | 2   | .750  |   |
| 5"         | 125 | 4.65             | 7.60  | 5.55  | 2.24 | 4.02 | 1.26 | .748  | .500 | —         | 14.41 | 25 lbs              | 3.25    | 4         | .43 | 8.50  | 2   | .875  |   |
| 6"         | 150 | 5.43             | 8.39  | 6.57  | 2.24 | 4.02 | 1.26 | .748  | .500 | —         | 16.22 | 28 lbs              | 3.25    | 4         | .43 | 9.50  | 2   | .875  |   |
| 8"         | 200 | 7.40             | 9.45  | 7.68  | 2.52 | 5.98 | 1.26 | .874  | .626 | —         | 18.39 | 49 lbs              | 5.00    | 4         | .55 | 11.75 | 2   | .875  |   |
| 10"        | 250 | 9.25             | 11.02 | 8.66  | 2.83 | 5.98 | 2.05 | 1.126 | —    | .25 x .25 | 21.73 | 68 lbs              | 5.00    | 4         | .55 | 14.25 | 2   | 1.000 |   |
| 12"        | 300 | 10.83            | 12.20 | 10.43 | 3.19 | 5.98 | 2.01 | 1.126 | —    | .25 x .25 | 24.64 | 95 lbs              | 5.00    | 4         | .55 | 17.00 | 2   | 1.000 |   |

|                                                                                         |             |                                          |                                                  |                                                                                                     |
|-----------------------------------------------------------------------------------------|-------------|------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|    |             | Valve Solutions<br>ABZ Valves & Controls |                                                  |                |
| Title:<br>ABZolute Double Offset Butterfly Valve<br>Series 401 - Class 150 - Wafer Type |             |                                          |                                                  | Scale<br>N/A                                                                                        |
| DWG No.<br>2"-12" 401-Bare Stem                                                         |             |                                          |                                                  | Projection<br> |
| Date<br>09-22-11                                                                        | Drawn<br>BC | Checked<br>Tp                            | Dimensions are subject to change without notice. | Unit<br>inch                                                                                        |
|                                                                                         |             |                                          |                                                  | Revision<br>0                                                                                       |