



Standards:  
 -Valves designed to API-609, MSS-SP-67, SM-SP-25  
 -Install between standard ANSI Class 125/150 Flanges

| Valve Size | L    | Q     | D1    | D2    | n-h(mm) | H1   | H2    | H3   | S (mm) | F(mm) | ISO |
|------------|------|-------|-------|-------|---------|------|-------|------|--------|-------|-----|
| 1.5"       | 1.30 | 0.81  | 4.33  | 3.74  | 4-18    | 2.48 | 4.92  | 1.18 | 9      | 50    | F05 |
| 2"         | 1.69 | 1.13  | 4.75  | 3.82  | 4-22    | 2.60 | 5.12  | 1.18 | 9      | 50    | F05 |
| 2.5"       | 1.81 | 1.79  | 5.50  | 4.45  | 4-18    | 3.23 | 5.55  | 1.18 | 9      | 50    | F05 |
| 3"         | 1.81 | 2.45  | 6.00  | 4.92  | 8-18    | 3.54 | 5.83  | 1.18 | 9      | 50    | F05 |
| 4"         | 2.05 | 3.50  | 7.50  | 6.14  | 4-18    | 4.25 | 6.69  | 1.18 | 11     | 70    | F07 |
| 5"         | 2.20 | 4.55  | 8.50  | 7.36  | 4-22    | 4.84 | 7.36  | 1.18 | 14     | 70    | F07 |
| 6"         | 2.20 | 5.71  | 9.50  | 8.46  | 4-22    | 5.43 | 7.95  | 1.18 | 14     | 70    | F07 |
| 8"         | 2.36 | 7.77  | 11.75 | 10.51 | 4-26    | 6.69 | 9.37  | 1.42 | 17     | 102   | F10 |
| 10"        | 2.68 | 9.76  | 14.25 | 13.00 | 4-26    | 7.87 | 10.71 | 1.42 | 22     | 102   | F10 |
| 12"        | 3.07 | 11.73 | 17.00 | 15.25 | 4-26    | 9.29 | 12.01 | 1.42 | 22     | 102   | F10 |

| TECHNICAL SPECIFICATIONS |                               |
|--------------------------|-------------------------------|
| Nominal Size (in)        | 1-1/2" thru 12"               |
| Nominal Pressure         | 200 psi (PTFE only 150 psi)   |
| Body Test Pressure       | 300 psi (PTFE only 225 psi)   |
| Sealing Test Pressure    | 220 psi (PTFE only 165 psi)   |
| Application Temp.        | EPDM < 250°F                  |
|                          | BUNA < 220°F                  |
| Body Material            | Cast or Ductile Iron          |
| Disc Material            | Various (NP-DI, AB, SS, NY11) |
| Shaft Material           | SS416 to ASTM A276            |

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 SURFACE FINISH:  
 TOLERANCES:  
 LINEAR:  
 ANGULAR:

FINISH:  
  
 DEBUR AND  
 BREAK SHARP  
 EDGES

|        | NAME | SIGNATURE | DATE      | REV | DATE     | DESCRIPTION     |
|--------|------|-----------|-----------|-----|----------|-----------------|
| DRAWN  | BW   |           | 2/21/2011 | 8   | 3/3/2014 | CORRECTED Q DIM |
| CHK'D  |      |           |           |     |          |                 |
| APPV'D |      |           |           |     |          |                 |
| MFG    |      |           |           |     |          |                 |
| Q.A    |      |           |           |     |          |                 |



TITLE: **050 Series 1α-12" Wafer Butterfly Valves**

DWG NO. **050 Series 1.5-12in**

8.5x11"