

# BUTTERFLY VALVE



## VBG02 - 300PSI Grooved-End Butterfly Valve

- Both Gear Operator or Lever Handle Available for Indoor or Outdoor use
- Epoxy Coated Ductile Iron body for Excellent Protection
- Elastomer Encapsulated Disc with Outstanding Flow Characteristics
- Low Torque Operation
- Options of Double Internal Supervisory Switches for Gear Operator

### Material Specifications

| PART             | SPECIFICATION                                   |
|------------------|---|
| 1. Upper Stem    | Stainless Steel ASTM A 276 Type 420             |
| 2. Upper Bearing | PTFE Bronze Sintered on Steel                   |
| 3. O-Ring        | EPDM  |
| 4. Body          | Ductile Iron ASTM A 536, Epoxy Coated           |
| 5. Disc          | Ductile Iron ASTM A 536 with EPDM Encapsulation |
| 6. Lower Bearing | PTFE Bronze Sintered on Steel                   |
| 7. Lower Stem    | Stainless Steel ASTM A 276 Type 420             |
| 8. Dust Plug     | PVC   |
| 9. Name Plate    | Stainless Steel                                 |
| 10. Pin          | Steel   |
| 11. Plate        | Steel   |
| 12. Handle       | Steel   |



### Dimension

| Part Number | Size |     | OD    | E    |     | F    |     | G    |     |
|-------------|------|-----|-------|------|-----|------|-----|------|-----|
|             | In.  | mm  |       | In.  | mm  | In.  | mm  | In.  | mm  |
| VBG02-073   | 2½   | 65  | 73.0  | 3.85 | 98  | 2.40 | 61  | 7.32 | 186 |
| VBG02-076   | 3OD  | 65  | 76.1  | 3.85 | 98  | 2.40 | 61  | 7.32 | 186 |
| VBG02-089   | 3    | 80  | 88.9  | 3.85 | 98  | 2.87 | 73  | 8.27 | 210 |
| VBG02-114   | 4    | 100 | 114.3 | 4.56 | 116 | 3.86 | 98  | 10.2 | 260 |
| VBG02-140   | 5½OD | 125 | 139.7 | 5.86 | 149 | 4.80 | 122 | 11.4 | 290 |
| VBG02-141   | 5    | 125 | 141.3 | 5.86 | 149 | 4.80 | 122 | 11.4 | 290 |
| VBG02-165   | 6½OD | 150 | 165.1 | 5.86 | 149 | 5.75 | 146 | 12.8 | 325 |
| VBG02-168   | 6    | 150 | 168.3 | 5.86 | 149 | 5.75 | 146 | 12.8 | 325 |
| VBG02-219   | 8    | 200 | 219.1 | 5.27 | 134 | 7.72 | 196 | 15.9 | 404 |
| VBG02-273   | 10   | 250 | 273.0 | 6.30 | 160 | 9.57 | 243 | 18.9 | 480 |

| Size | L    |     | N    |     | P    |     | R     |     | Wt.  |      |
|------|------|-----|------|-----|------|-----|-------|-----|------|------|
|      | In.  | mm  | In.  | mm  | In.  | mm  | In.   | mm  | Lbs. | Kg.  |
| 2½   | 10.2 | 260 | 3.78 | 96  | 2.95 | 75  | 3.35  | 85  | 12.1 | 5.5  |
| 3OD  | 10.2 | 260 | 3.78 | 96  | 2.95 | 75  | 3.35  | 85  | 12.6 | 5.7  |
| 3    | 10.2 | 260 | 4.13 | 105 | 3.54 | 90  | 3.82  | 97  | 13.2 | 6    |
| 4    | 10.2 | 260 | 5.31 | 135 | 4.33 | 110 | 4.88  | 124 | 15.9 | 7.2  |
| 5½OD | 10.2 | 260 | 5.83 | 148 | 5.00 | 127 | 6.10  | 155 | 18.7 | 8.5  |
| 5    | 10.2 | 260 | 5.83 | 148 | 5.00 | 127 | 6.10  | 155 | 18.7 | 8.5  |
| 6½OD | 10.2 | 260 | 6.50 | 165 | 5.71 | 145 | 7.20  | 183 | 28.2 | 12.8 |
| 6    | 10.2 | 260 | 6.50 | 165 | 5.71 | 145 | 7.20  | 183 | 32.6 | 14.8 |
| 8    | 12.8 | 325 | 8.03 | 204 | 6.89 | 175 | 9.29  | 236 | 35.5 | 16.1 |
| 10   | 12.8 | 325 | 9.65 | 245 | 8.27 | 210 | 11.38 | 289 | 66   | 30   |

