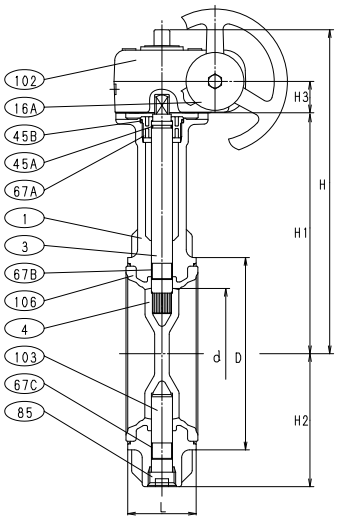
# BUTTERFLY VALVES - 250 PSI*

Lug & Wafer Design • Ductile Iron Body • Extended Neck
Bi-Directional • Molded Seat • ISO Mounting Pad • Gear Operator
**SIZE 2" - 8"**

**DESIGN STANDARDS:** MSS SP-67 & API-609 Cat. A **END CONNECTION:** ANSI CI. 125/150 FLANGES **WALL THICKNESS:** KITZ STD

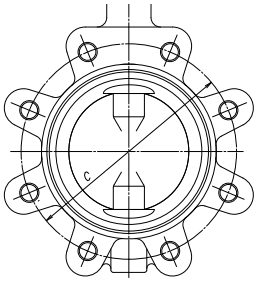



**MATERIAL LIST**

| NO. | NAME OF PART | SPECIFICATION |
|---|---|---|
| 1 | BODY | DUCTILE IRON (A536 Gr. 65-45-12) |
| 3 | STEM* | STAINLESS STEEL (A276, Type 410 or 316) |
| 4 | DISC | ALUMINUM BRONZE |
| 16A/B | NAME PLATE | ALUMINUM |
| 45A/B | O-RING | EPDM |
| 67A | BEARING | POLYACETAL |
| 67B/C | STEM BEARING | G/F PTFE |
| 85 | PLUG | ZINC DIE-CAST **(2)** |
| 99 | SET BOLTS | CARBON STEEL |
| 102 | GEAR UNIT | ALUMINUM DIE-CAST |
| 103 | BOTTOM STEM* | STAINLESS STEEL (A276, TYPE 410 or 316) |
| 106 | SEAT RUBBER **(3)** | EPDM |
| 145 | SPRING WASHER | CARBON STEEL |

(1) Line scribed on top of the stem indicates the disc direction.
(2) Chromate Coating
(3) Vulcanized to the Body

**Code # 5123-E-G**
Body Style: Wafer Design
Disc: Aluminum Bronze
Liner: EDPM
Operator: Gear Operator

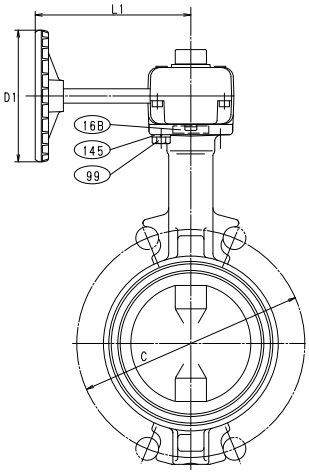



**DIMENSIONS**

| | SIZE | d | D | C | H | H1 | H2 | L | D1 | L1 | Wafer Lbs Kgs. | Lug Lbs. Kgs. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| in. | 2 | 1.97 | 3.54 | 4.75 | 7.64 | 5.79 | 2.64 | 1.69 | 3.15 | 4.78 | 4.9 | 7.1 |
| mm | 50 | 50 | 90 | 120.5 | 194 | 147 | 67 | 42.9 | 80 | 121.5 | 2.2 | 3.2 |
| in. | $2^1/_2$ | 2.56 | 4.09 | 5.50 | 7.95 | 6.10 | 2.95 | 1.81 | 3.15 | 4.78 | 5.7 | 8.4 |
| mm | 65 | 65 | 104 | 139.5 | 202 | 155 | 75 | 46 | 80 | 121.5 | 2.6 | 3.8 |
| in | 3 | 3.15 | 4.88 | 6.00 | 9.29 | 6.81 | 3.58 | 1.81 | 4.33 | 5.31 | 8.6 | 13.0 |
| mm | 80 | 80 | 124 | 152.5 | 236 | 173 | 91 | 46 | 110 | 135 | 3.9 | 5.8 |
| in | 4 | 3.94 | 5.75 | 7.50 | 9.69 | 7.20 | 3.98 | 2.06 | 4.33 | 5.31 | 9.2 | 19.0 |
| mm | 100 | 100 | 146 | 190.5 | 246 | 183 | 101 | 52.3 | 110 | 135 | 4.2 | 8.8 |
| in | 5 | 4.92 | 6.93 | 8.50 | 10.79 | 8.31 | 5.00 | 2.19 | 4.33 | 5.91 | 14.0 | 26.0 |
| mm | 125 | 125 | 176 | 216 | 274 | 211 | 127 | 55.6 | 110 | 150 | 6.3 | 12.0 |
| in | 6 | 5.91 | 8.11 | 9.50 | 11.26 | 8.78 | 5.47 | 2.19 | 4.33 | 5.91 | 19.0 | 32.0 |
| mm | 150 | 150 | 206 | 241.5 | 286 | 223 | 139 | 55.6 | 110 | 150 | 8.5 | 15.0 |
| in | 8 | 7.76 | 10.12 | 11.75 | 12.80 | 9.76 | 6.65 | 2.38 | 6.69 | 7.09 | 30.0 | 49.0 |
| mm | 200 | 197 | 257 | 298.5 | 325 | 248 | 169 | 60.5 | 170 | 180 | 13.0 | 22.0 |

For gear operator details, refer to page 20.

**Code # 6123-E-G**
Body Style: Lug Design
Disc: Aluminum Bronze
Liner: EDPM
Operator: Gear Operator




***NOTE:***
KITZ lug style butterfly valves are rated for bi-directional dead end service to full working pressure of the valve with the downstream flange removed. In dead end service exceeding 96 hours, a downstream flange is recommended.