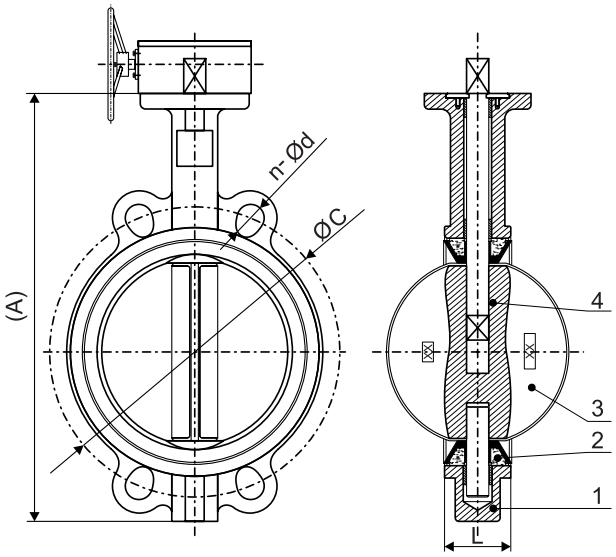
# G 103

DUCTILE IRON BUTTERFLY VALVE
WAFER SEMI-LUGGED GEAR OPERATED
Conforms to MSS SP-67

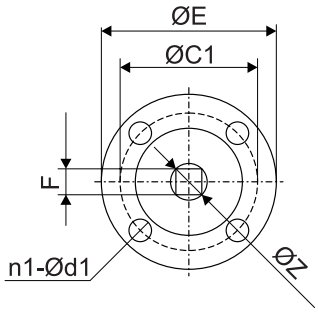
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## Specifications:

- WAFER SEMI-LUGGED TYPE BUTTERFLY VALVE WITH GEAR OPERATION AND ISO 5211 MOUNTING PAD
- END CONNECTION SUITABLE FOR FLANGE CONNECTION ANSI B16.5 CLASS 150 OR PN16
- PRESSURE RATING 150 PSI/16 BAR
- DESIGNED & MANUFACTURED TO MEET MSS-SP 67 STANDARD
- NOT SUITABLE FOR STEAM
- TEST & INSPECTION ACCORDING TO API 598
- SUITABLE MEDIA: FRESH WATER, SEWAGE, SEA WATER, AIR, OIL, ACID & CORROSIVE MEDIA
- WORKING TEMPERATURE FROM -10° CTO+110°C / 14°F TO +230°F
- STANDARD DISC IN STAINLESS STEEL CF8/CF8M, EPDM SEAT
- DUCTILE IRON & ALUMINUM BRONZE DISC OPTIONS
- NITRILE & VITON SEAT LINER OPTIONS
- COATING: FUSION BONDED EPOXY (FBE), DFT ≥ 250 µm.




## Dimensions (mm)

| DN | INCH | L | A | F | ØZ | ANSI 150 | | DIN 2501 PN16 | | ISO 5211 Mounting Pad | | | | WEIGHT GEAR (KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Ø C | n-Ød | Ø C | n-Ød | Top Flange | ØE | ØC1 | n1-Ød1 | |
| 50 | 2" | 43 | 195 | 9x9 | 12.6 | 120.6 | 4-Ø19 | 125 | 4-Ø19 | F05 | 65 | 50 | 4-Ø8 | 6.5 |
| 65 | 2 1/2" | 46 | 232 | 9x9 | 12.6 | 139.7 | 4-Ø19 | 145 | 4-Ø19 | F05 | 65 | 50 | 4-Ø8 | 7 |
| 80 | 3" | 46 | 242 | 9x9 | 12.6 | 152.4 | 4-Ø19 | 160 | 8-Ø19 | F05 | 65 | 50 | 4-Ø8 | 8 |
| 100 | 4" | 52 | 280 | 11x11 | 15.77 | 190.5 | 8-Ø19 | 180 | 8-Ø19 | F07 | 90 | 70 | 4-Ø10 | 9 |
| 125 | 5" | 56 | 310 | 14x14 | 18.92 | 215.9 | 8-Ø22.4 | 210 | 8-Ø19 | F07 | 90 | 70 | 4-Ø10 | 11 |
| 150 | 6" | 56 | 340 | 14x14 | 18.92 | 241.3 | 8-Ø22.4 | 240 | 8-Ø23 | F07 | 90 | 70 | 4-Ø10 | 13 |
| 200 | 8" | 60 | 405 | 17x17 | 22.1 | 298.4 | 8-Ø22.4 | 295 | 12-Ø23 | F10 | 125 | 102 | 4-Ø12 | 23 |
| 250 | 10" | 68 | 481 | 22x22 | 28.45 | 361.9 | 12-Ø25.4 | 355 | 12-Ø28 | F10 | 125 | 102 | 4-Ø12 | 31 |
| 300 | 12" | 78 | 545 | 22x22 | 31.6 | 431.8 | 12-Ø28.4 | 410 | 12-Ø28 | F10 | 125 | 102 | 4-Ø12 | 43 |
| 350 | 14" | 78 | 626 | 22x22 | 31.6 | 476.2 | 12-Ø28.4 | 470 | 16-Ø28 | F10 | 125 | 102 | 4-Ø12 | 45 |
| 400 | 16" | 102 | 714 | 27x27 | 33.15 | 539.7 | 16-Ø28.4 | 525 | 16-Ø31 | F14 | 175 | 140 | 4-Ø18 | 80 |
| 450 | 18" | 114 | 757 | 27x27 | 37.95 | 577.8 | 16-Ø31.7 | 585 | 20-Ø31 | F14 | 175 | 140 | 4-Ø18 | 100 |
| 500 | 20" | 127 | 845 | 32x32 | 41.12 | 635 | 20-Ø31.7 | 650 | 20-Ø34 | F14 | 175 | 140 | 4-Ø18 | 136 |
| 600 | 24" | 154 | 979 | 36x36 | 50.62 | 749.3 | 20-Ø35 | 770 | 20-Ø37 | F16 | 210 | 165 | 4-Ø18 | 185 |

## Materials

| No. | DESCRIPTION | MATERIAL | STANDARD |
|---|---|---|---|
| 1 | Body | Ductile Iron | ASTM A 536 70-50-05 GGG50 |
| 2 | Seat | EPDM | EPDM |
| 3 | Disc | Stainless Steel | CF8/CF8M |
| 4 | Shaft | Stainless Steel | SS420 |

All data, descriptions and pictures contained in this leaflet may be subject to change without prior notice.
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