

## Lug Butterfly Valve

### Specification

- Meet or exceed the requirements of EN593, AS4795.1 and MSS SP-67
- Replaceable liner for size DN300 and below, Vulcanized liner for size DN350 and above
- 2 shafts for size DN300 and below and 1 shaft for size DN350 and above
- Mounting flange in accordance with ISO 5211 or MSS SP-102
- Connection flanged ends : PN10/16, Class 125 and Table D/E
- WRAS approved

### Working Pressure and Temperature

- 16 bar / 250 psi rated at -10°C to 120°C for EPDM liner
- 16 bar / 250 psi rated at -10°C to 87°C for BUNA-N liner

### Corrosion Protection

- Fusion bonded coating or liquid painting interior and exterior

### Options

- PN25 available
- Ductile Iron body
- SS304 / 316 stainless steel shaft
- GX5CrNiMo19-11-2 (1.4408) disc for #2502
- Gear operator or handle operated
- Built-in temper switch of gear operator

### Material Specification

| Part          | Material        | EN Specification      | ASTM Specification |
|---------------|-----------------|-----------------------|--------------------|
| Body          | Cast Iron       | EN1561, EN-GJL-250    | A126 Class B       |
| Shaft         | Stainless Steel | EN10088, X20Cr13      | A276, Grade 420    |
| Disc          | Stainless Steel | EN10213, GX5CrNi19-10 | A351 CF8           |
|               | Bronze          | EN1982, CC491K        | B62 C83600         |
|               | Ductile Iron    | EN1563, EN-GJS-450-10 | A536 65-45-12      |
| Liner         | Rubber          | EN681, EPDM or NBR    | D2000              |
| Bushing       | Plastic         | Commercial, PTFE      | Commercial, PTFE   |
| Shaft Sealing | O-Ring          | EN681, BUNA-N         | D2000 NBR          |

### Dimensions (mm)

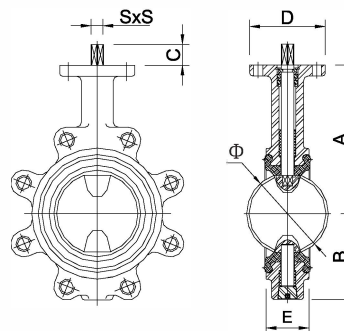
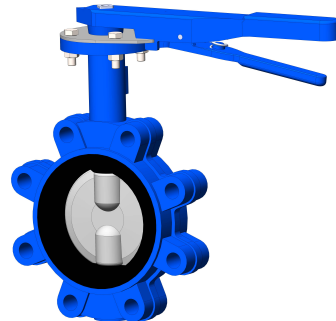
| Size              | DN50    | DN65 | DN80 | DN100   | DN125 | DN150   | DN200 | DN250   | DN300 | DN350 | DN400   | DN450 | DN500   | DN600 |
|-------------------|---------|------|------|---------|-------|---------|-------|---------|-------|-------|---------|-------|---------|-------|
| A                 | 140     | 155  | 160  | 180     | 190   | 205     | 240   | 275     | 315   | 370   | 400     | 425   | 480     | 565   |
| B                 | 70      | 80   | 85   | 100     | 120   | 135     | 165   | 200     | 230   | 290   | 315     | 340   | 390     | 450   |
| E                 | 43      | 46   | 46   | 52      | 56    | 56      | 60    | 68      | 78    | 78    | 88      | 109   | 127     | 154   |
| Shaft Top Section | 11 x 11 |      |      | 14 x 14 |       | 17 x 17 |       | 22 x 22 |       |       | 27 x 27 |       | Dia. 48 |       |
| Mounting Flange   | F07     |      |      |         |       |         | F10   |         |       | F12   | F14     |       | F16     |       |
| C                 | 30      |      |      |         |       |         |       |         |       | 45    |         |       |         |       |

#### Notes

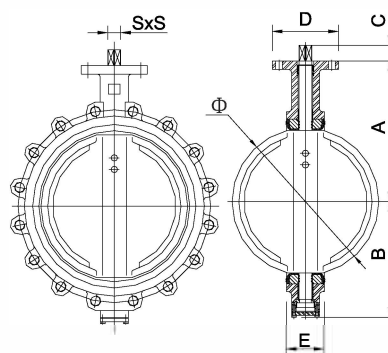
- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

FIG. LV2502 - Stainless Steel Disc  
FIG. LV2503 - Bronze Disc  
FIG. LV2504 - Ductile Iron Disc

### Schematic



Size 50-300



Size 350-600