

# DIMAX BUTTERFLY VALVE

## PN16 LUGGED BUTTERFLY VALVE

Designed and Manufactured  
to AS 4795.1



### RANGE OVERVIEW

Designed and manufactured to AS4795.1

Rated to 1600kpa from DN 50 to DN 300

Stainless steel fasteners

Bi-directional bubble-tight sealing, with no leakage under pressure

ISO top mounting flange for easy actuation

- Gearboxes
- Electric Actuation
- Pneumatic Actuation

Vulcanised seat held securely in position making it suitable for vacuum applications

High strength two piece shaft which provides greater flow capabilities while eliminating pins and bolts

Blow-out proof stem ensures operator safety and eliminates OH&S concerns

Heavy duty shaft bushing ensures proper disc alignment and absorbs side thrusts, reducing valve wear and extending the lifespan

Suitable for high repetition, actuated applications

### DESCRIPTION

The Dimax lugged butterfly valve is a soft sealing valve for installation with flanges tapped for compatibility with AS/NZS 4087 Figure B5 or AS 2129 Table E. Engineered for long-term, maintenance-free performance, Dimax butterfly valves are selected for a wide range of industries.

### GENERAL APPLICATION

Designed and manufactured for applications including Water and Waste Water, Mining, Desalination, Pumping, Industrial Processing, Irrigation, Hazardous Materials Handling and Chemical Services.

### TECHNICAL DATA

#### Size Range

DN 50 - DN 300

#### Temperature Range

-40°C to 120°C

#### Allowable Operating Pressures

DN 50 - DN 300 = 1600kPa

#### End Connection

Flanged to AS/NZS 4087 PN16 (Figure B5), AS 2129 Table E

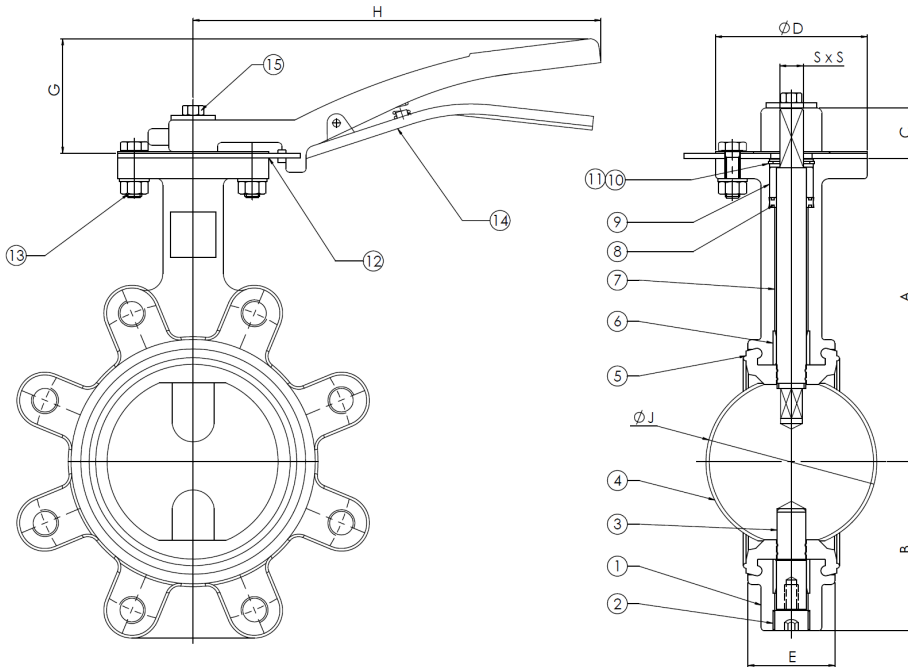
#### Coating

Fusion Bonded to AS/NZS 4158

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| No | Description<br>Material / Standard                  |
|----|-----------------------------------------------------|
| 1  | Body<br>Ductile Iron / 500-7 to AS 1831             |
| 2  | Plug<br>Stainless Steel / 316 to ASTM A276          |
| 3  | Lower Shaft<br>Stainless Steel / 431 to ASTM A276   |
| 4  | Disc<br>Stainless Steel / CF8M to ASTM A352         |
| 5  | Seat<br>Vulcanised EPDM Rubber to AS 1646           |
| 6  | Shaft Bearing<br>Brass CW614N to EN 12164           |
| 7  | Upper Shaft<br>Stainless Steel / 431 to ASTM A276   |
| 8  | Shaft Seals<br>NBR Rubber                           |
| 9  | Top Bearing<br>Acetal                               |
| 10 | Shaft Washer<br>Stainless Steel / 316 to ASTM A276  |
| 11 | Shaft Circlip<br>Stainless Steel / 316 to ASTM A276 |
| 12 | Notch Plate<br>Stainless Steel / 316 to A182        |
| 13 | Fasteners<br>Stainless Steel / A4 - 70              |
| 14 | Handle Assembly<br>Ductile Iron / 450-10 to AS 1831 |
| 15 | Bolts/Washers<br>Stainless Steel / A4 - 70          |

| NOMINAL SIZE<br>DN | A<br>mm | B<br>mm | C<br>mm | ØD<br>mm | E<br>mm | G<br>mm | H<br>mm | ØJ<br>mm | S x S<br>mm | WEIGHT<br>kg |
|--------------------|---------|---------|---------|----------|---------|---------|---------|----------|-------------|--------------|
| 50                 | 140     | 68      | 30      | 90       | 43      | 68      | 242     | 57       | 11 x 11     | 3.0          |
| 65                 | 152     | 76      | 30      | 90       | 46      | 68      | 242     | 72       | 11 x 11     | 3.4          |
| 80                 | 160     | 85      | 30      | 90       | 46      | 68      | 242     | 83       | 11 x 11     | 3.7          |
| 100                | 180     | 100     | 30      | 90       | 52      | 68      | 242     | 102      | 14 x 14     | 6.5          |
| 125                | 191     | 120     | 30      | 90       | 56      | 68      | 242     | 128      | 14 x 14     | 8.3          |
| 150                | 202     | 132     | 30      | 90       | 56      | 68      | 242     | 151      | 17 x 17     | 10.2         |
| 200                | 237     | 164     | 30      | 126      | 60      | 90      | 326     | 201      | 17 x 17     | 16.8         |
| 250                | 275     | 200     | 30      | 126      | 68      | 98      | 416     | 250      | 22 x 22     | 24.2         |
| 300                | 313     | 230     | 30      | 126      | 78      | 98      | 416     | 300      | 22 x 22     | 34.2         |

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### CERTIFICATIONS

IAPMO AS4795.1 OceanaMark Licence No. OMK32136

WaterMark AS4795.1 IAPMO-WM-032136

AS/NZS 4020 – Testing for use in contact with drinking water

