



ECON® Butterfly valve Type: 4621 Ductile cast iron/Aluminum bronze Centric Squeeze handle Flange



Characteristics

- Type:** 4621
Norm: EN (DIN)
Valve design: Centric
Housing material: Ductile cast iron
Material quality: EN-JS1030
Surface protection: Paint min. 60 µm
Connection: Flange
Face to Face norm: EN 558, Series 13
Operation: Squeeze handle
Top flange standard: ISO 5211 Direct Mount
Housing lining: Vulcanized
Disk material: Aluminum bronze
Maximum medium temperature (continuous): 120 °C

Application

- Maritime systems such as machinery rooms, ballast systems and outboard motor locks.
- Especially suitable for sea water due to the aluminium bronze valve disc.
- Suitable for vacuum applications and applications with high flow speeds.

Technical Information

- Vulcanised lining fixed on the housing, which also extends over the sealing surfaces of the flange.
- Robust construction with full-length shaft.
- Version with lever.
- Suitable as end fitting for the full pressure range.
- Standard with polyurethane outer coating in RAL 5015.

Construction

- Double flange of butterfly valve type with centric disc bearings.
- Design in accordance with EN 593.
- Short construction length in accordance with ISO 5752/EN 558 Series 13 (DIN 3202 F16).
- Suitable for mounting with flanges according to EN 1092-2 PN10 or PN16.

Approval

- With Lloyd's register type approval (DN50-DN500), including applications such as "fire main insulating valve".
- Possible disassembly by Lloyd's, Veritas testing laboratory, DNV-GL, RINA and ABS.

Options

- Other materials and/or pressure classes.
- Available with EN 10204.31 certification.
- Equipped with lever, worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Coating according to customer specifications.

| DN [mm] | A mm | H mm | L mm | M mm | Weight [kg] | Kvs-value m ³ /h |
|------------|---------|---------|---------|---------|----------------|--------------------------------|
| 50 | 165 | 175 | 108 | 232 | 11 | 70 |
| 65 | 185 | 183 | 112 | 232 | 13 | 220 |
| 80 | 200 | 190 | 114 | 232 | 15 | 351 |
| 100 | 228 | 204 | 127 | 232 | 17 | 610 |
| 125 | 254 | 229 | 140 | 329 | 21 | 1078 |
| 150 | 285 | 249 | 140 | 329 | 26 | 1552 |
| 200 | 343 | 273 | 152 | 329 | 36 | 2759 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

| Size | Lining | Press. rating | Temperature range | Max. oper. press. |
|-------------|-------------|---------------|----------------------------------|-------------------|
| DN50-DN600 | NBR or EPDM | PN16 | NBR -10°/+80°C, EPDM -10°/+120°C | 16 [bar] |
| DN200-DN600 | NBR or EPDM | PN10 | NBR -10°/+80°C, EPDM -10°/+120°C | 10 [bar] |

| Nominal inner diameter | Standard connection | Pressure rating | Face to Face length mm | Material liner | Quality class disc | Spindle material | Quality class spindle | Actuator material | Minimum medium temperature (continuous) °C | Article |
|------------------------|---------------------|-----------------|---------------------------|----------------|--------------------|------------------|-----------------------|-------------------|---|------------------|
| DN125 | EN (DIN) | PN16 | 140 | EPDM | CC333G | Stainless steel | 1.4122 | EN-JS1030 | -10 | EC4621D0125-LDBA |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.