

BUTTERFLY VALVE TYPE LUG

TYPE E6830



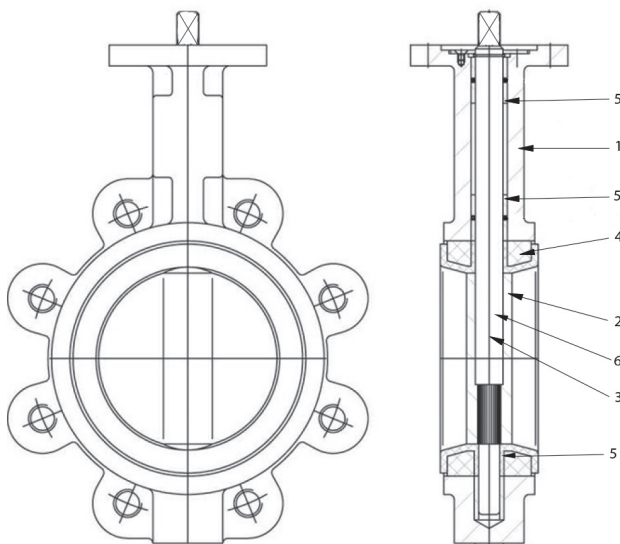
GENERAL

| | |
|---------------------|--|
| DIMENSION/PRESSURE: | DN40 - DN150 = PN16 DN200 - DN600 = PN10 |
| SURFACE: | POLYESTER POWDER COATING MIN. 200 µm, RAL 5015 |
| FACE TO FACE: | EN558-1 SERIES 20 |
| OPERATION: | FREE STEM |
| COUNTER FLANGES: | DN40 - DN150 = PN16 DN200 - 400 = PN10 |
| TOP FLANGE: | ISO 5211 |
| CONSTRUCTION: | REPLACEABLE SEAT |

OPTIONS

| | |
|---------------------|--|
| DIMENSION/PRESSURE: | DN32 = PN16 DN200 - DN400 = PN16 |
| OPERATION: | HANDLE, GEAR, ACTUATOR (PNEUMATIC/ELECTRIC) |
| MATERIAL DISC: | ALU-BRONZE TYPE E6820 |

MATERIALS



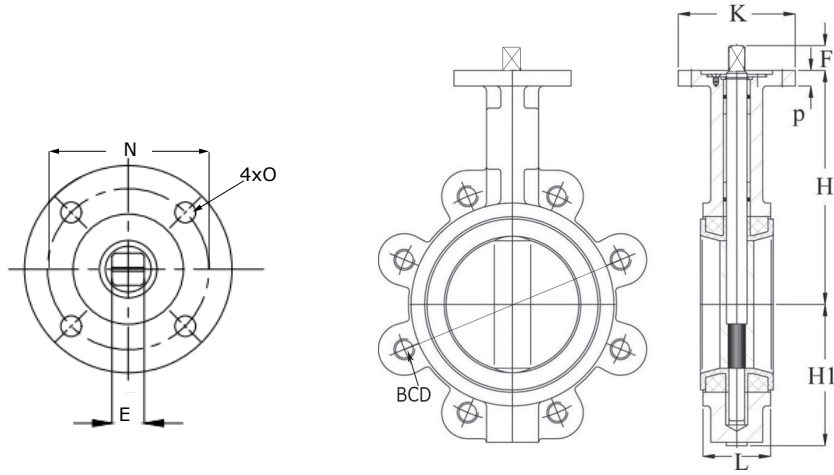
| POS | DESCRIPTION | MATERIAL |
|-----|-------------|-------------------------------------|
| 1 | BODY | DUCTILE IRON GJS-400-15 |
| 2 | DISC | STAINLESS STEEL CF8M |
| 3 | STEM* | STAINLESS STEEL AISI 410 / AISI 431 |
| 4 | LINER | GUMMI EPDM / NBR |
| 5 | BUSH | BRONZE |
| 6 | PIN** | STAINLESS STEEL DUPLEX 1.4462 |

* DN200 - DN600 = AISI 431
** ONLY DN350 - DN600

DESCRIPTION

- **High quality industrial butterfly valve** available with material certificate EN10204/3.1. Approved for ATEX zone 1/21.
- **Unique spherical seat** ensures low torque and long service life.
- **ISO 5211 top flanges** and 90° square stem enable direct mounting of actuator without the use of bracket or coupling.
- **Seat vulcanized** on a replaceable back-up ring compared to a traditional replaceable seat has several advantages: Exact tolerances produce 100 % tightness and prolong service life - suitable for vacuum and high flow velocity - mounting between flanges without seat displacement.
- **Counter flange end-of-line.**
- **Optional** with actuator, gear or handle.
- **Extended neck for easy isolation.**

DIMENSIONS



| DIM [MM] | DIMENSIONS | | | | | | | | | | | |
|-------------|------------|-----------|-----------|------------|-----------|-----------|---------------------|-----------------|-----------|---------------------|-----|----------|
| | E [MM] | F [MM] | H [MM] | H1 [MM] | K [MM] | L [MM] | N [MM] | O [MM] | P [MM] | ISO | BCD | Bolts |
| DN32 | 11 | 13.5 | 115 | 57 | 65 | 32 | 50 | 7 | 12 | F05 | 110 | 4 x M16 |
| DN40 | 11 | 13.5 | 115 | 68 | 65 | 33 | 50 | 7 | 12 | F05 | 110 | 4 x M16 |
| DN50 | 11 | 13.5 | 143 | 72 | 65 | 43 | 50 | 7 | 12 | F05 | 125 | 4 x M16 |
| DN65 | 11 | 13.5 | 156 | 78 | 65 | 46 | 50 | 7 | 13 | F05 | 145 | 4 x M16 |
| DN80 | 11 | 13.5 | 162 | 95 | 65 | 46 | 50 | 7 | 13 | F05 | 160 | 8 x M16 |
| DN100 | 14 | 17.5 | 177 | 108 | 90 | 52 | 50/70 | 7/10 | 14 | F05/F07 | 180 | 8 x M16 |
| DN125 | 14 | 17.5 | 190 | 123 | 90 | 56 | 70 | 10 | 14 | F07 | 210 | 8 x M16 |
| DN150 | 17 | 18.5 | 205 | 138 | 90 | 56 | 70 | 10 | 14 | F07 | 240 | 8 x M20 |
| DN200 | 17 | 24.5 | 236 | 168 | 125 | 56 | 70/102 | 10/12 | 16 | F07/F10 | 295 | 8 x M20 |
| DN250 | 22 | 24.5 | 267 | 207 | 125 | 68 | 102/140* | 12/18* | 16 | F10/F10/F14* | 350 | 12 x M20 |
| DN300 | 27 22* | 30.0 | 308 | 243 | 150 | 78 | 102/125 102/140* | 12/14 12/18* | 16 | F10/F12 F10/F14* | 400 | 12 x M20 |
| DN350 | 27 | 30.0 | 368 | 272 | 210 | 78 | 140/165 | 18/22 | 20 | F14/F16 | 460 | 16 x M20 |
| DN400 | 27 | 30.0 | 400 | 342 | 210 | 102 | 140/165 | 18/22 | 20 | F14/F16 | 515 | 16 x M24 |
| DN450 | 36 | 39.0 | 422 | 372 | 210 | 114 | 140/165 | 18/22 | 20 | F14/F16 | 565 | 20 x M24 |
| DN500 | 46 | 49.0 | 480 | 402 | 210 | 127 | 140/165 | 18/22 | 22 | F14/F16 | 620 | 20 x M24 |
| DN600 | 46 | 49.0 | 562 | 467 | 210 | 154 | 165/254 | 18/22 | 25 | F16/F25 | 725 | 20 x M27 |

* New model

VALVE DATA

| [MM] | TORQUE [NM] | KV-VALUE [M ³ /H] | WEIGHT[KG] FREE STEM |
|-------|----------------|---------------------------------|-------------------------|
| DN32 | 11.7 | 45 | 1.7 |
| DN40 | 13.0 | 59 | 2.0 |
| DN50 | 13.0 | 117 | 2.7 |
| DN65 | 16.9 | 190 | 3.6 |
| DN80 | 24.7 | 261 | 3.9 |
| DN100 | 36.4 | 519 | 5.0 |
| DN125 | 61.1 | 884 | 7.0 |
| DN150 | 87.1 | 1366 | 8.0 |
| DN200 | 170.3 | 2713 | 13.2 |
| DN250 | 291.2 | 4619 | 19.0 |
| DN300 | 417.3 | 7136 | 31.0 |
| DN350 | 800.8 | 10308 | 42.0 |
| DN400 | 1137.5 | 14176 | 90.0 |
| DN450 | 1556.1 | 18775 | 117.0 |
| DN500 | 2067.0 | 24140 | 155.0 |
| DN600 | 3394.3 | 37295 | 237.0 |

TORQUE FIGURES INCLUDE 30% SAFETY FACTOR

PRESSURE/TEMPERATURE

| DIM | MAX. OPERATION PRESSURE [BAR] | LINER | TEMPERATURE [°C] |
|---------------|----------------------------------|-------|---------------------|
| DN32 - DN150 | 16 | NBR | -10°C til 80°C |
| | | EPDM | -10°C til 110°C |
| DN200 - DN600 | 10 | NBR | -10°C til 80°C |
| | | EPDM | -10°C til 110°C |



Temperature/Pressure

Butterfly valves from Dansk Ventil Center A/S is delivered with different pressure levels and with different liner types. Always check the name plate to ensure correct operation. Pressure systems with flanges according to EN1092-1 has some limitations. Be careful not to exceed the allowable pressure/temperature limits, as this may cause damage to personal or equipment.

Rubber seat (NBR, EPDM):

Rubber will over time lose flexibility and compression set. The higher the temperature rubber is installed in, the shorter the expected lifespan is.

Our values for temperature is given to the best of our knowledge, and we advise that valves are tested for lifespan if installation is running near the given temperature limit. If in doubt, please consult us.

Replaceable seat:

The seat is replaceable as it is vulcanized onto a phenol back-up ring.