

BUTTERFLY VALVE

TYPE 2236: WAFER (DVGW GAS)

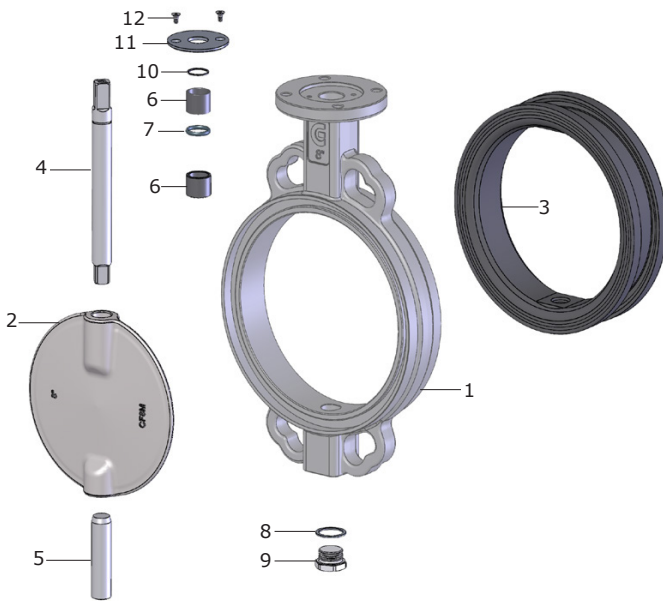


GENERAL

| | |
|----------------------|---|
| DIMENSION/PRESSURE: | DN50 - DN150 = PN16 DN200 - DN600 = PN10 |
| MATERIAL BODY: | DUCTILE IRON (GGG40 / EN-GJS400-15) |
| COUNTER FLANGES: | DN50 - DN150 = PN10/16/ANSI150 DN200 - DN500 = PN10/16/ANSI150 DN600 = PN10 |
| AMBIENT TEMPERATURE: | -10° TO 60°C |
| MEDIA TEMPERATURE: | -25° TO 100°C |
| SURFACE: | EPOXY COATED, CORROSION CLASS C3 COLOUR: RAL 1018 |
| FACE-TO-FACE: | EN558-1 |
| OPERATION: | FREE STEM INCL. MULTI BRACKET |

OPTION

| | |
|------------|---|
| OPERATION: | HANDLE, GEAR, ACTUATOR (PNEUMATIC OR ELECTRIC) |
|------------|---|

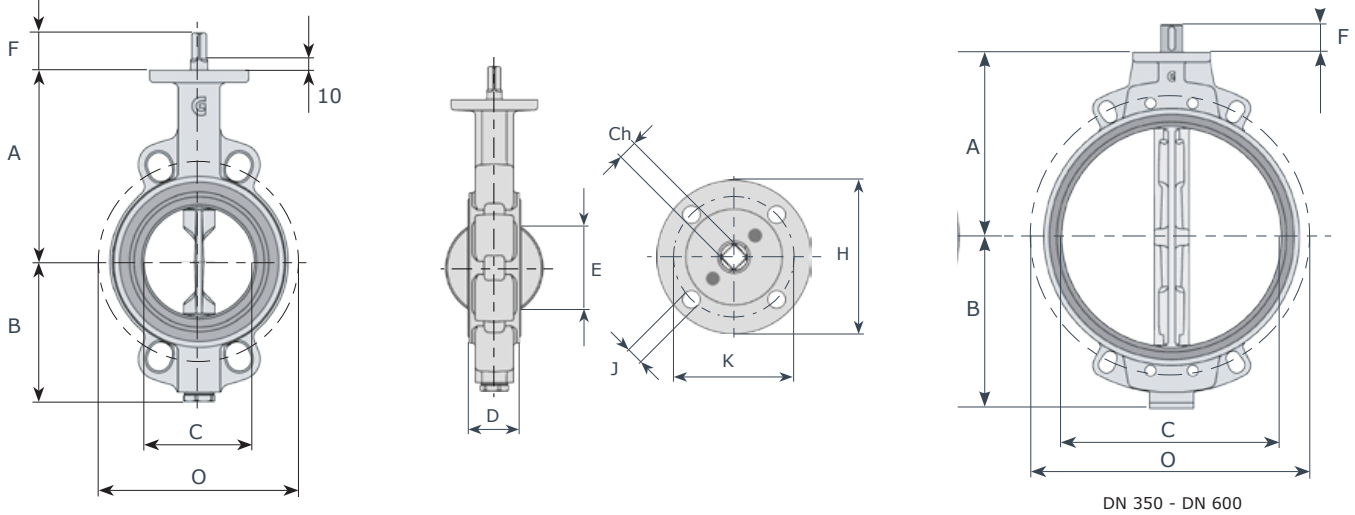


| POS | DESCRIPTION | MATERIALS |
|-----|---------------|---|
| 1 | BODY | DUCTILE IRON - GGG40 |
| 2 | DISC | STAINLESS STEEL - CF8M |
| 3 | SEAT | NBR RUBBER (DVGW) |
| 4 | UPPER STEM | STAINLESS STEEL - AISI 430 |
| 5 | LOWER STEM | STAINLESS STEEL - AISI 430 |
| 6 | BUSHING | BRONZE |
| 7 | STEM PACKING | NBR RUBBER |
| 8 | PLUG PACKING | ALUMINUM |
| 9 | THREADED PLUG | ZINC PLATED STEEL |
| 10 | STOP RING | STEEL |
| 11 | UPPER FLANGE | IXEF (DN40-150) ALUMINUM (DN200-300) |
| 12 | SCREWS | ZINC PLATED STEEL |

DESCRIPTION

- **Industrial wafer butterfly valve** in very high quality, with DVGW gas approval. EN 10204 3.1. certified.
- **ISO 5211 mounting flanges** enable direct mounting of actuators.
- **Approvals** - the butterfly valves are CE/PED, ATEX approved and with EAC certificate.
- **2 bronze bearings** reduces friction and prolongs service life.
- **Unique plain bearing in the disc** ensures low torque and long service life.
- **Special designed seat** which reduces torque and prolongs service life.
- **Optional** with actuator, gear or handle.
- **The seat is replaceable.**
- **Two-piece stem** resulting in high Kv-value and less turbulence.

DIMENSIONS



DN 350 - DN 600

| DIM | BUTTERFLY VALVES | | | | | | | | | | | | | |
|-------|------------------|--------|--------|--------|--------|--------|--------|---------|--------|--------|-----|--------|-----------------|-----------------------|
| | PN | A [MM] | B [MM] | C [MM] | D [MM] | E [MM] | F [MM] | Ch [MM] | H [MM] | K [MM] | ISO | J [MM] | N - n. - O [MM] | WEIGHT [KG] FREE STEM |
| DN40 | 16 | 130 | 75 | 49 | 33 | 36 | 34 | 11 | 90 | 70 | F07 | 9 | M16-4-110 | 2.2 |
| DN50 | 16 | 138 | 81 | 55 | 43 | 35 | 34 | 11 | 90 | 70 | F07 | 9 | M16-4-125 | 2.8 |
| DN65 | 16 | 144 | 98 | 68 | 46 | 50 | 34 | 11 | 90 | 70 | F07 | 9 | M16-8-145 | 3.7 |
| DN80 | 16 | 158 | 110 | 81 | 46 | 67 | 34 | 11 | 90 | 70 | F07 | 9 | M16-8-160 | 4.0 |
| DN100 | 16 | 173 | 128 | 101 | 52 | 87 | 34 | 11 | 90 | 70 | F07 | 9 | M16-8-180 | 6.0 |
| DN125 | 16 | 186 | 140 | 126 | 56 | 113 | 34 | 14 | 90 | 70 | F07 | 9 | M16-8-210 | 7.2 |
| DN150 | 16 | 202 | 155 | 150 | 56 | 140 | 34 | 14 | 90 | 70 | F07 | 9 | M20-8-240 | 9.1 |
| DN200 | 10 | 240 | 190 | 200 | 60 | 191 | 38 | 17 | 125 | 102 | F10 | 11 | M20-8-295 | 14.0 |
| DN250 | 10 | 270 | 220 | 250 | 68 | 241 | 38 | 22 | 125 | 102 | F10 | 11 | M20-12-350 | 22.0 |
| DN300 | 10 | 300 | 247 | 298 | 78 | 289 | 38 | 22 | 125 | 102 | F10 | 11 | M20-12-400 | 32.0 |
| DN350 | 10 | 330 | 280 | 341 | 78 | 332 | 60 | 27 | 150 | 125 | F12 | 14 | M20-16-460 | 42.0 |
| DN400 | 10 | 355 | 305 | 390 | 102 | 376 | 60 | 27 | 150 | 125 | F12 | 14 | M24-16-515 | 76.0 |
| DN450 | 10 | 400 | 343 | 444 | 114 | 430 | 60 | 27 | 175 | 140 | F14 | 18 | M24-20-565 | 110.0 |

VALVE DATA

| DIM | KV-VALUE (M ³ /H 1 BAR ΔP) | | | | | | | | | |
|-------|---------------------------------------|-----|-----|------|------|------|------|------|-------|-------|
| | MAX. MOMENT [NM] | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° |
| DN40 | 16 | <1 | <1 | 4 | 12 | 17 | 32 | 45 | 53 | 62 |
| DN50 | 23 | <1 | <1 | 5 | 14 | 29 | 47 | 71 | 98 | 107 |
| DN65 | 27 | 1 | 2 | 11 | 27 | 50 | 77 | 122 | 171 | 213 |
| DN80 | 60 | 3 | 6 | 28 | 54 | 91 | 140 | 213 | 301 | 404 |
| DN100 | 72 | 5 | 14 | 57 | 108 | 175 | 262 | 404 | 594 | 799 |
| DN125 | 105 | 6 | 27 | 84 | 156 | 248 | 385 | 624 | 954 | 1239 |
| DN150 | 135 | 7 | 51 | 129 | 224 | 363 | 572 | 977 | 1535 | 1929 |
| DN200 | 270 | 22 | 114 | 229 | 401 | 639 | 1018 | 1755 | 2880 | 3484 |
| DN250 | 330 | 33 | 171 | 334 | 634 | 970 | 1530 | 2650 | 4403 | 5753 |
| DN300 | 480 | 49 | 250 | 490 | 925 | 1416 | 2231 | 3865 | 6641 | 8828 |
| DN350 | 885 | 118 | 301 | 631 | 1131 | 1918 | 3081 | 4963 | 8884 | 10308 |
| DN400 | 975 | 153 | 393 | 824 | 1478 | 2506 | 4024 | 6482 | 11603 | 13464 |
| DN450 | 1080 | 195 | 498 | 1043 | 1871 | 3170 | 5093 | 8210 | 14686 | 17041 |

Above mentioned torques incl. 50% safety factor are based on on/off services with gas medium.



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:

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.