

**Concentric butterfly valve
wafer**

PN10
PN16

WATER



Centric butterfly valve DN100

Product description (standard execution):

- Concentric disc made of stainless steel 1.4301, 1.4401 or ductile cast iron
- EPDM/NBR replaceable loose liner protected against axial displacement
- Stainless steel solid spline (not pinned) shaft with the bottom side seated in blind hole of the body
- Three-slide bearings: PTFE or bronze
- Special shaped loose liner to seal with the shaft crossing
- Additional shaft sealing made of EPDM/NBR o-rings
- With lock lever up to DN200 over with gear box
- Actuator connector according to ISO 5211 (ISO top flange)
- Epoxy coating minimum 250 microns according to EN ISO 12944-5
- End connection according to EN 1092-2 (DIN 2501), pressure PN10; PN16
- Face to face according to EN 558-A1 (DIN 3202)
- Product marking according to : EN 19, EN 1171

Application:

Water network and tanks. Transport of industrial water and non aggressive liquids.
Working conditions:
temp. up to +70°C
pressure up to 1.6 MPa.

Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1
Seat: 1,1 xPN
Body: 1,5 x PN
Operation torque test.

Accessories:

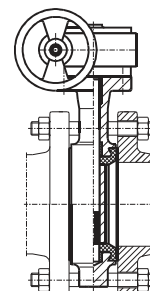
Extension spindle - see: 9010, 9011
Pillar with handwheel - see: 9113
Pillar for electric actuator - see: 9114
Street box - see: 9501

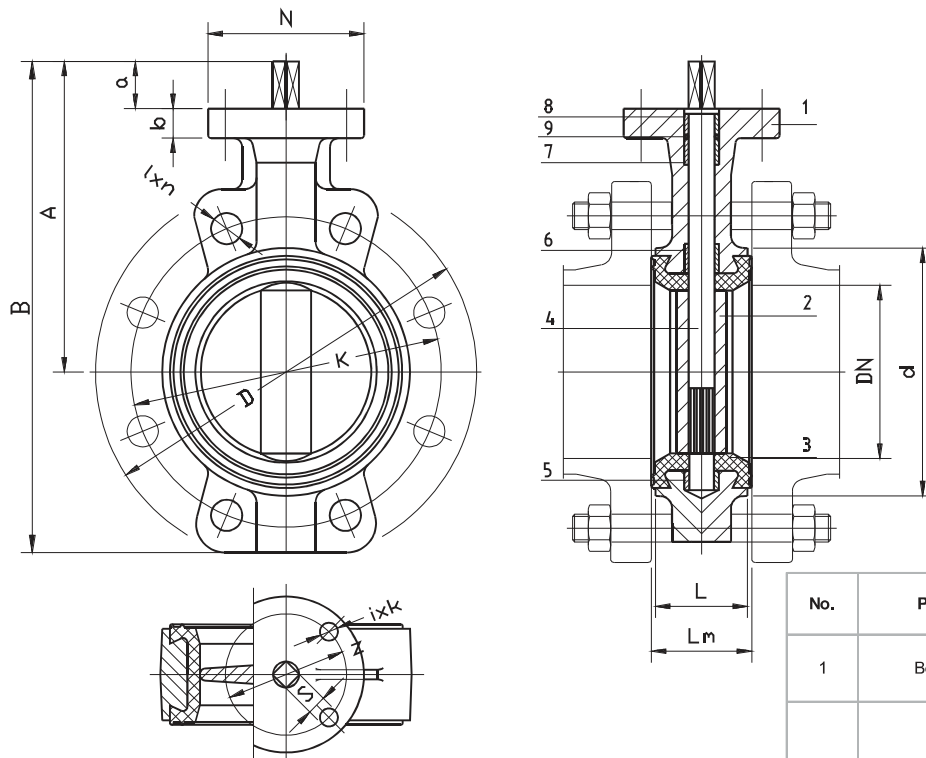
Execution variant:

With electric or pneumatic actuator
With inductive sensors
For extension spindle

Installation:

DN40-DN250 in any position. Over DN250 shaft in horizontal position





| No. | Part | Standard execution |
|--------------|--------|---|
| 1 | Body | Ductile cast iron EN-GJS-400-15 EN 1563 |
| 2 | Disc | Stainless steel 1.4301 1.4401 EN 10088-1 Ductile cast iron EN-GJS-400-15 EN 1563 |
| 3 | Ring | Rubber NBR EPDM EN ISO 1629 |
| 4 | Shaft | Stainless steel 1.4021 1.4057 EN 10088-1 |
| 5, 6 7, 8 | Sleeve | PTFE CuZn37 EN 1982 |
| 9 | O-ring | Rubber NBR EPDM EN ISO 1629 |

- other material variants on special request

| DN | PN | L | Lm | A | B | d | D | | | | K | | I | | n | ISO 5211 | i x k | N | z | S | a | Weight |
|------|-----------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|----------|-------|-----|------|-----|-----|--------|
| | | | | | | | PN10 | PN16 | PN10 | PN16 | PN10 | PN16 | PN10 | PN16 | | | | | | | | |
| [mm] | [bar] | [mm] | | | | | | | | | | [szt] | - | [mm] | | | | | [kg] | | | |
| 40 | PN10 / 16 | 33 | 36 | 121 | 176 | 76 | 150 | | 110 | | 19 | | 4 | F05 | 4x7 | 90 | 50 | 11 | 28 | 3 | | |
| 50 | | 43 | 45 | 137 | 222 | 92 | 165 | | 125 | | 19 | | 4 | | | | | 11 | 28 | 4 | | |
| 65 | | 46 | 49 | 150 | 235 | 106 | 185 | | 145 | | 19 | | 4 | | | | | 11 | 28 | 5 | | |
| 80 | | 46 | 49 | 160 | 245 | 114 | 200 | | 160 | | 19 | | 8 | | | | | 11 | 30 | 6 | | |
| 100 | | 52 | 55 | 182 | 280 | 143 | 220 | | 180 | | 19 | | 8 | F07 | 4x9 | | 70 | 14 | 30 | 7 | | |
| 125 | | 56 | 59 | 207 | 328 | 170 | 250 | | 210 | | 19 | | 8 | | | | | 14 | 30 | 8 | | |
| 150 | | 56 | 59 | 223 | 357 | 203 | 285 | | 240 | | 23 | | 8 | F10 | 4x12 | | | 125 | 102 | 17 | 30 | 12 |
| 200 | | 60 | 63 | 255 | 418 | 252 | 340 | | 295 | | 23 | | 12 | | | | | | | 17 | 30 | 19 |
| 250 | | 68 | 72 | 314 | 510 | 306 | 395 | 405 | 350 | 355 | 23 | 28 | 12 | F14 | 4x18 | 175 | 140 | | 22 | 40 | 29 | |
| 300 | | 78 | 82 | 342 | 564 | 364 | 445 | 460 | 400 | 410 | 23 | 28 | 12 | | | | | | 22 | 45 | 37 | |
| 350 | | 78 | 82 | 365 | 640 | 431 | 505 | 520 | 460 | 470 | 23 | 28 | 16 | 22 | 45 | | | 47 | | | | |
| 400 | | 102 | 106 | 410 | 725 | 480 | 565 | 580 | 515 | 525 | 28 | 31 | 16 | F16 | 4x22 | | | 300 | 254 | 27 | 60 | 78 |
| 500 | | 127 | 131 | 490 | 866 | 590 | 670 | 715 | 620 | 650 | 28 | 34 | 20 | | | 36 | 65 | | | 140 | | |
| 600 | | 154 | 158 | 565 | 1031 | 688 | 780 | 840 | 725 | 770 | 31 | 37 | 20 | F25 | 8x18 | 300 | 254 | | | 46 | 66 | 207 |
| 700 | | 165 | 169 | 610 | 1120 | 800 | 895 | 910 | 840 | | 31 | 37 | 24 | | | | | | | 46 | 66 | 262 |
| 800 | | 190 | 195 | 738 | 1314 | 900 | 1015 | 1025 | 950 | | 34 | 41 | 24 | F25 | 8x18 | | | 300 | 254 | 55 | 118 | - |
| 900 | 203 | 208 | 838 | 1475 | 1000 | 1115 | 1125 | 1050 | | 34 | 41 | 28 | 55 | | | | | | | 142 | - | |
| 1000 | 216 | 223 | 942 | 1643 | 1120 | 1230 | 1255 | 1160 | 1170 | 37 | 44 | 28 | F30 | 8x22 | 350 | 298 | - | | | 150 | - | |
| 1200 | 254 | 263 | 1090 | 1934 | 1300 | 1455 | 1485 | 1380 | 1390 | 41 | 50 | 32 | | | | | - | | | - | - | |

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