

TECHNICAL DESCRIPTION



- Wafer type butterfly valve with rubber seat
- Design according to EN 593 fig. 3a body type
- Testing acc. to EN12266-1(P10-P12)/MSS SP-67 type 1
- Max. working pressure : 16 bar/ 250 psi
- Shell(body) test pressure : 24bar/375 psi
- Seat test pressure : 17,6 bar/250psi
- Max. temperature : dependent of the seat, see table below
- Tightness : bi-directional bubble tight acc. EN 12266-1 A.5 Rate A (formerly known as DIN 3230)
- Suitable for mounting between flanges EN1092-B1 PN6/10/16 (formerly known as DIN 2632/2633 Form C) and ASME B16.5 150lbs RF.
- Face to face dimensions acc. EN 558-1 table 1 series 20 (formerly also known as DIN 3202 K1) and API 609 category A
- Body coating : Epoxy powder coating 150 μ m to 250 μ m, blue RAL 5015

| | Suitable for : | Not recommendable for : | Temperature range : |
|--|---|---|---------------------|
| EPDM : Ethylen-Propylene Diene Monomer (or Terpolymer) | water/steam, sea water, brine, esters, ketone, alkalis, caustic soda | hydrocarbons, oils, fats | -15°C to 120°C |
| EPDM-HT : EPDM High Temperature | water/steam, sea water, brine, esters, ketone, alkalis, caustic soda | hydrocarbons, oils, fats | -15°C to 130°C |
| NBR : Acrylonitrile-Butadiene copolymer | hydrocarbons, oils, greases, gas oil | solvents, benzene, xylol | -10°C to 80°C |
| PTFE* : PolyTetraFluoroEthylene | solvents, corrosive products | fluid containing powders, alkaline metals, gaseous fluorines | -10°C to 120°C |
| VQM/MVQ* : Methyl-Vinyl Siloxane | food & beverages | steam, oils, hydrocarbons | -60°C to 180°C |
| FKM : fluorocarbon polymer | mineral oils and greases, hydrocarbons, petrol, diesel fuels | steam, Freon, alkalis, ketones, organic acids | -20°C to 160°C |

*Max. working pressure : 10 bar, seat test pressure : 11 bar

KV-VALUES

| SIZE | | Flow in m ³ /h @ Δp 1 bar | | | | | | | | |
|-------|-----|--|-----|-----|-----|------|------|------|------|------|
| | | CLOSE -----> OPEN | | | | | | | | |
| NPS | DN | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° |
| 2 | 50 | 0,1 | 3 | 6 | 13 | 23 | 38 | 60 | 90 | 99 |
| 2 1/2 | 65 | 0,1 | 5 | 10 | 22 | 39 | 65 | 102 | 153 | 169 |
| 3 | 80 | 0,2 | 8 | 15 | 34 | 60 | 100 | 157 | 237 | 260 |
| 4 | 100 | 0,3 | 15 | 31 | 67 | 120 | 198 | 313 | 470 | 516 |
| 5 | 125 | 0,4 | 25 | 52 | 114 | 204 | 337 | 533 | 800 | 879 |
| 6 | 150 | 0,7 | 39 | 82 | 176 | 315 | 520 | 824 | 1236 | 1358 |
| 8 | 200 | 2 | 77 | 162 | 351 | 625 | 1034 | 1637 | 2454 | 2697 |
| 10 | 250 | 3 | 130 | 275 | 597 | 1064 | 1760 | 2786 | 4179 | 4592 |
| 12 | 300 | 3 | 201 | 426 | 922 | 1643 | 2719 | 4304 | 6456 | 7095 |

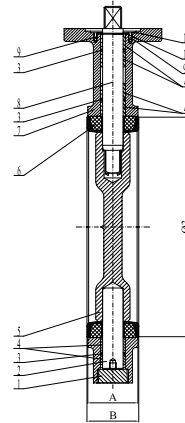
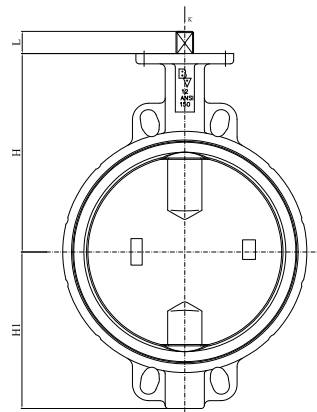
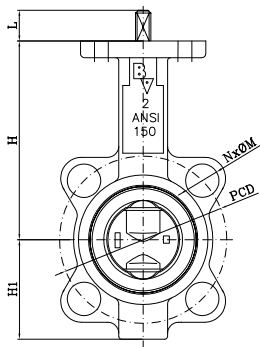
Cv = 1,16 * Kv

Industriepark Mechelen Noord 1 | Blokhuisstraat 24 | 2800 Mechelen | Belgium
tel. +32/(0)15 29 40 70 | fax +32 (0) 15 20 14 13 | info@belven.com | www.belven.com

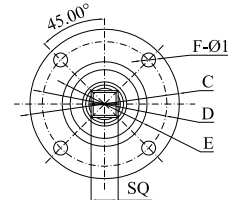
We keep the right to change the mentioned dimensions, weights, values and materials at any time without prior or direct notice.

DN 50 - DN 65

DN 80 - DN 300



TOPFLANGE
K VIEW



| DN | SIZE | L | H | H1 | A | B | Ø2 | C | D | D1 | ISO | E | Z-Ø2 | F-Ø1 | SQ | PCD | N-ØM | Torque (Nm)* | Weight (kg) |
|-----|--------|------|-------|-------|----|----|--------|-----|-----|----|---------|----|------|-------|----|---------|-------|--------------|-------------|
| 50 | 2" | 22 | 142,7 | 71,4 | 43 | 47 | Ø73,3 | 90 | 70 | 50 | F07/F05 | 55 | 4-Ø7 | 4-Ø10 | 11 | Ø120 | 4-Ø24 | 16 | 2,7 |
| 65 | 2 1/2" | 22 | 155,4 | 71,4 | 46 | 49 | Ø86 | 90 | 70 | 50 | F07/F05 | 55 | 4-Ø7 | 4-Ø10 | 11 | Ø138,75 | 4-Ø24 | 17 | 3,4 |
| 80 | 3" | 22 | 161,8 | 89,0 | 46 | 49 | Ø100,3 | 90 | 70 | 50 | F07/F05 | 55 | 4-Ø7 | 4-Ø10 | 11 | -- | -- | 23 | 3,5 |
| 100 | 4" | 22 | 178,0 | 102,0 | 52 | 55 | Ø132 | 90 | 70 | -- | F07 | 55 | -- | 4-Ø10 | 14 | -- | -- | 40 | 4,8 |
| 125 | 5" | 22 | 190,5 | 123,0 | 56 | 59 | Ø156 | 90 | 70 | -- | F07 | 55 | -- | 4-Ø10 | 14 | -- | -- | 62 | 6,3 |
| 150 | 6" | 22 | 205,2 | 138,0 | 56 | 59 | Ø185,4 | 90 | 70 | -- | F07 | 55 | -- | 4-Ø10 | 14 | -- | -- | 102 | 6,4 |
| 200 | 8" | 34,5 | 237,0 | 168,0 | 60 | 64 | Ø235,2 | 150 | 102 | -- | F10 | 70 | -- | 4-Ø12 | 17 | -- | -- | 192 | 11,9 |
| 250 | 10" | 34,5 | 268,3 | 207,0 | 68 | 72 | Ø289,4 | 150 | 102 | -- | F10 | 70 | -- | 4-Ø12 | 22 | -- | -- | 323 | 19 |
| 300 | 12" | 34,5 | 308,5 | 243,5 | 78 | 82 | Ø341,2 | 150 | 125 | -- | F12 | 85 | -- | 4-Ø14 | 27 | -- | -- | 490 | 33,5 |

Torque values in Nm for water at 20°C Δp 16 bar, for butterfly valves EPDM or NBR seats, one actuation minimum per month*

| ITEM | NAME | QTY | 2366 E | 2366 EHT | 2366 B | 2366 T | 2366S | 2366 V |
|------|--------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 | SCREW PLUG | 1 | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL |
| 2 | BOTOM SHAFT | 1 | SS416 | SS416 | SS416 | SS416 | SS416 | SS416 |
| 3 | O-RING | 3 | EPDM | EPDM HT | NBR | FKM | SILICONE | FKM |
| 4 | BUSHING | 6 | PTFE/Nylon | PTFE/Nylon | PTFE/Nylon | PTFE/Nylon | PTFE/Nylon | PTFE/Nylon |
| 5 | DISC | 1 | CF8M | CF8M | CF8M | CF8M | CF8M | CF8M |
| 6 | SEAT | 1 | EPDM | EPDM HT | NBR | PTFE | SILICONE | FKM |
| 7 | BODY | 1 | GG25 | GG25 | GG25 | GG25 | GG25 | GG25 |
| 8 | TOP SHAFT | 1 | SS416 | SS416 | SS416 | SS416 | SS416 | SS416 |
| 9 | PHILIP SCREW | 2 | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL | ZINC PLTD STEEL |
| 10 | CIRCLIP | 1 | 65 Mn | 65 Mn | 65 Mn | 65 Mn | 65 Mn | 65 Mn |
| 11 | PLATE | 1 | STEEL | STEEL | STEEL | STEEL | STEEL | STEEL |

OPERATING OPTIONS

| | | |
|-------------|---|---|
| MANUAL | : | standard lever, short lever, adjustable lever, lockable lever, fail safe lever, gearbox, lockable gearbox, chainwheel |
| PNEUMATIC | : | rack & pinion, scotch & yoke, single acting, double acting |
| ELECTRIC | : | all tensions, all protection classes |
| HYDRAULIC | : | all oil pressures |
| ACCESSORIES | : | stem extensions, visual indicators, solenoid valves, limit switches, positioners, manual override ... |