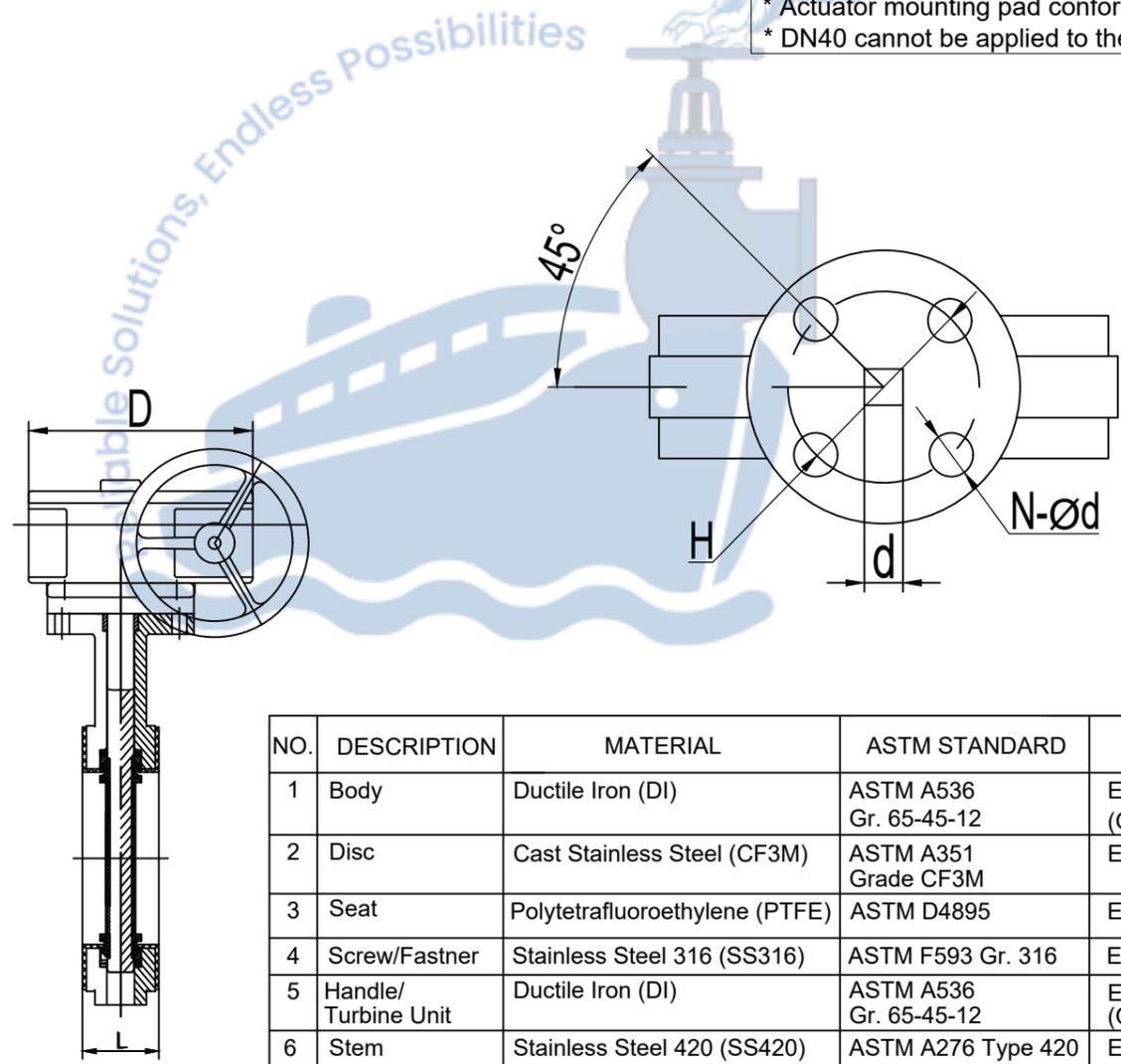
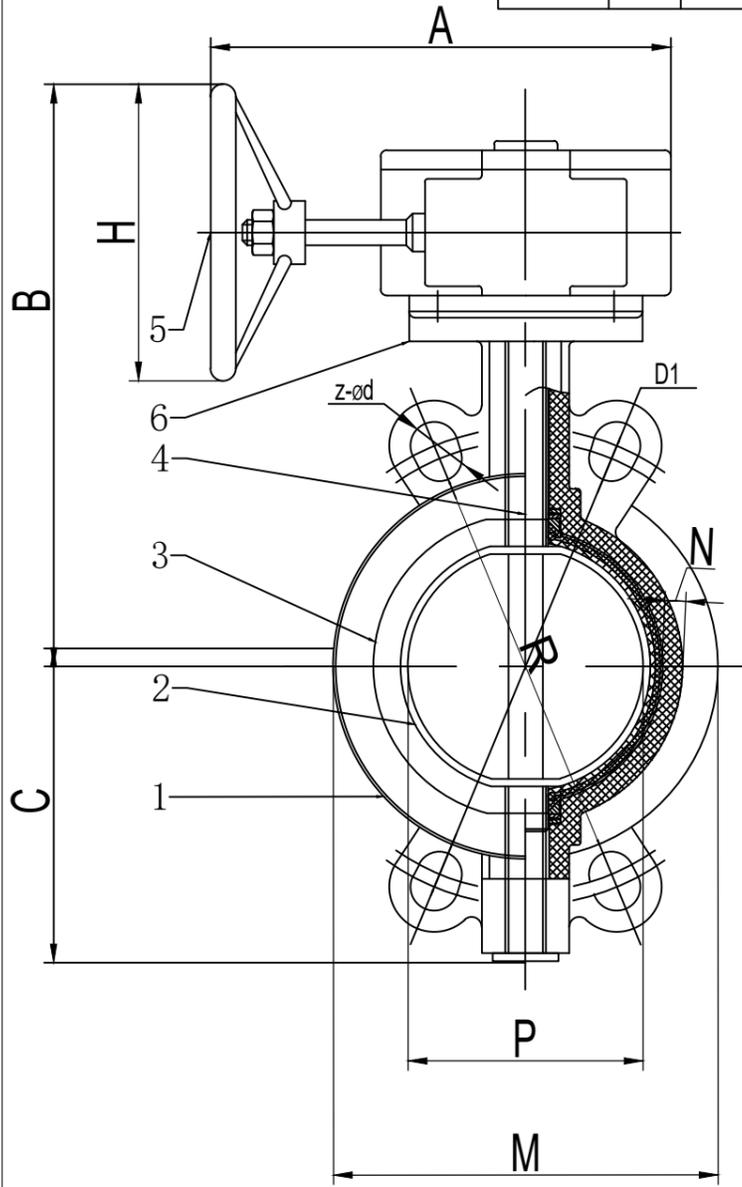


MODEL/DRAWING NO: D371FRL-16Q Suitable for: Corrosive media, demineralized water, food-grade and clean, non-abrasive process fluids



| SIZE | L | PN 16 | | PN10 | | ANSI 150 | | 5K | | 10K | | A | B | C | D | H | M | N | P | R | Weight (Kg) (Approx.) |
|-------|-----|-------|--------|------|--------|----------|--------|-----|--------|-----|--------|-----|-----|-----|-----|-----|-----|----|-----|-----|--------------------------|
| | | D1 | Z-ød | D1 | Z-ød | D1 | Z-ød | D1 | Z-ød | D1 | Z-ød | | | | | | | | | | |
| DN40 | 42 | 110 | 4-ø18 | 110 | 4-ø18 | 98.5 | 4-ø15 | | | 105 | 4-ø19 | 175 | 244 | 72 | 125 | 159 | 94 | 14 | 53 | 87 | 4.20 |
| DN50 | 42 | 125 | 4-ø18 | 125 | 4-ø18 | 120.5 | 4-ø19 | 105 | 4-ø15 | 120 | 4-ø19 | 175 | 244 | 72 | 125 | 159 | 94 | 14 | 53 | 87 | 4.20 |
| DN65 | 45 | 145 | 4-ø18 | 145 | 4-ø18 | 139.5 | 4-ø19 | 130 | 4-ø15 | 140 | 4-ø19 | 175 | 254 | 90 | 125 | 159 | 110 | 15 | 65 | 112 | 4.50 |
| DN80 | 45 | 160 | 8-ø18 | 160 | 8-ø18 | 152.5 | 4-ø19 | 145 | 4-ø19 | 150 | 8-ø19 | 175 | 269 | 99 | 125 | 159 | 128 | 17 | 79 | 125 | 7.30 |
| DN100 | 52 | 180 | 8-ø18 | 180 | 8-ø18 | 190.5 | 8-ø19 | 165 | 8-ø19 | 175 | 8-ø19 | 170 | 299 | 111 | 125 | 159 | 157 | 17 | 104 | 148 | 7.50 |
| DN125 | 56 | 210 | 8-ø18 | 210 | 8-ø18 | 216.0 | 8-ø22 | 200 | 8-ø19 | 210 | 8-ø23 | 170 | 293 | 127 | 125 | 159 | 184 | 20 | 124 | 181 | 8.50 |
| DN150 | 56 | 240 | 8-ø22 | 240 | 8-ø22 | 241.5 | 8-ø22 | 230 | 8-ø19 | 240 | 8-ø23 | 175 | 307 | 137 | 150 | 159 | 214 | 20 | 157 | 211 | 9.20 |
| DN200 | 60 | 295 | 12-ø22 | 295 | 8-ø22 | 298.5 | 8-ø22 | 280 | 8-ø23 | 290 | 12-ø23 | 260 | 406 | 176 | 145 | 274 | 267 | 22 | 202 | 257 | 15.80 |
| DN250 | 68 | 355 | 12-ø26 | 350 | 12-ø22 | 362.0 | 12-ø25 | 345 | 12-ø23 | 355 | 12-ø25 | 250 | 452 | 208 | 190 | 274 | 330 | 22 | 250 | 320 | 22.50 |
| DN300 | 78 | 410 | 12-ø26 | 400 | 12-ø22 | 432.0 | 12-ø25 | 390 | 12-ø23 | 400 | 16-ø25 | 270 | 488 | 242 | 190 | 274 | 390 | 25 | 302 | 365 | 31.80 |
| DN350 | 78 | 470 | 16-ø26 | 460 | 16-ø22 | 476.0 | 12-ø29 | 435 | 12-ø25 | 445 | 16-ø25 | 270 | 536 | 263 | 295 | 274 | 425 | 30 | 333 | 405 | 38.90 |
| DN400 | 86 | 525 | 16-ø30 | 515 | 16-ø26 | 540.0 | 16-ø29 | 555 | 16-ø25 | 510 | 16-ø27 | 345 | 640 | 320 | 295 | 280 | 535 | 35 | 390 | 520 | 68.70 |
| DN500 | 127 | 650 | 20-ø33 | 620 | 20-ø26 | 635.0 | 20-ø32 | 605 | 20-ø25 | 620 | 20-ø27 | 345 | 688 | 365 | 295 | 280 | 600 | 30 | 492 | 570 | 102.00 |



* Face-to-face dimensions conform to API 609 / EN 558 Series 20
 * Valve drilling compatible with PN10, PN16 (EN 1092-2), ANSI 150 (ASME B16.5), JIS 5K & 10K
 * Actuator mounting pad conforms to ISO 5211
 * DN40 cannot be applied to the 5K standard

| SIZE | H | d | N-ød |
|-------|-----|----|-------|
| DN40 | 50 | 9 | 4-ø8 |
| DN50 | 50 | 9 | 4-ø8 |
| DN65 | 50 | 9 | 4-ø8 |
| DN80 | 50 | 9 | 4-ø8 |
| DN100 | 70 | 11 | 4-ø10 |
| DN125 | 70 | 14 | 4-ø10 |
| DN150 | 70 | 14 | 4-ø10 |
| DN200 | 102 | 17 | 4-ø14 |
| DN250 | 102 | 22 | 4-ø14 |
| DN300 | 102 | 22 | 4-ø14 |
| DN350 | 102 | 22 | 4-ø14 |
| DN400 | 140 | 27 | 4-ø20 |
| DN500 | 165 | 36 | 4-ø20 |

| NO. | DESCRIPTION | MATERIAL | ASTM STANDARD | EN STANDARD | BS STANDARD |
|-----|---------------------|--------------------------------|------------------------|----------------------|------------------|
| 1 | Body | Ductile Iron (DI) | ASTM A536 Gr. 65-45-12 | EN-GJS-500-7 (GGG50) | BS EN 1563 |
| 2 | Disc | Cast Stainless Steel (CF3M) | ASTM A351 Grade CF3M | EN 10213 1.4404 | BS 3146 |
| 3 | Seat | Polytetrafluoroethylene (PTFE) | ASTM D4895 | EN 12086 | BS 6564 |
| 4 | Screw/Fastner | Stainless Steel 316 (SS316) | ASTM F593 Gr. 316 | EN ISO 3506-1 | BS EN ISO 3506-1 |
| 5 | Handle/Turbine Unit | Ductile Iron (DI) | ASTM A536 Gr. 65-45-12 | EN-GJS-500-7 (GGG50) | BS EN 1563 |
| 6 | Stem | Stainless Steel 420 (SS420) | ASTM A276 Type 420 | EN 10088-1 X20Cr13 | BS 970 420S45 |

General Notes:
 * All dimensions in mm unless specified otherwise.
 * Unspecified tolerances: as per ISO 2768-m.
 * Surface Finish: As cast, unless otherwise specified.
 * Design and manufacture in accordance with API 609.
 * Inspection and hydrostatic testing as per API 598

Description of goods:
 FLOWTEC(UK) Gear Operated PTFE (Seat) Wafer Type Butterfly Valve PN-16

| Revisions | | | |
|-----------|---------|----------|----------|
| Date | Changes | Prep. by | Appr. by |
| xx-xx-xx | | | |

PREPARED BY: CIANNA
 CHECKED BY: WILLIAM
 APPROVED BY: PETER
 DATE: 22-12-2016

PROJECTION: First Angle
 SCALE: NTS
 SIZE: A 3
 SHEET: 1 OF 1

NOMINAL PRESSURE: 1.6Mpa
 STRENGTH TEST PRESSURE: 2.4Mpa
 SEAL TEST PRESSURE: 1.76Mpa
 AIR TIGHTNESS PRESSURE: 0.6Mpa
 APPLICABLE TEMPERATURE: (-30°C to 150°C)
 AIR SOURCE PRESSURE: 0.4-0.7 Mpa

Note: Otherwise specified, this drawing complies with BS8888:2020 and applicable ISO GPS standards

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