

CHECK VALVE

# DIN Cast Steel Swing Check Valve

REF **EFC-438** ISSUED 06 Jul 2026

## SPECIFICATIONS

|                |                                                                                                                                                                                                                                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size           | DN50 to DN500                                                                                                                                                                                                                                                                     |
| Pressure       | PN10 to PN100                                                                                                                                                                                                                                                                     |
| End connection | flanged (BS EN 1092-1) / flanged (BS EN 1092-1) / flanged (BS EN 1092-1) / flanged (BS EN 1092-1) / flanged (BS EN 1092-1) / flanged (BS EN 1092-1) / flanged (DIN 2542) / flanged (DIN 2543) / flanged (DIN 2544) / flanged (DIN 2545) / flanged (DIN 2546) / flanged (DIN 2547) |
| Face-to-face   | DIN 3202                                                                                                                                                                                                                                                                          |

## STANDARDS

|        |                   |
|--------|-------------------|
| Design | DIN 3840, BS 1868 |
| Test   | DIN 3230, API 598 |

## MATERIALS

|            |                                                        |             |                                         |
|------------|--------------------------------------------------------|-------------|-----------------------------------------|
| Body       | GS-C25, 1.4308, 1.4408, WCB, LCB, WC6, CF3, CF3M, CF8C | Disc        | GS-C25+13Cr, GS-C25+STL, 1.4308, 1.4408 |
| Disc nut   | A194 2H, A194 8, A194 8M                               | Arm         | GS-C25+13Cr, GS-C25+STL, 1.4308, 1.4408 |
| Arm pin    | A182 F6A, A182 F304, A182 F316                         | Bonnet bolt | A193 B7, A193 B8                        |
| Bonnet nut | A194 2H, A194 8                                        | Gasket      | Graphite + SS304, Graphite + SS316      |
| Bonnet     | GS-C25, 1.4308, 1.4408                                 | Eye bolt    | Carbon Steel                            |
| Plug       | Carbon Steel, A182 F304, A182 F316                     |             |                                         |

## FEATURES

- Swing check valve design
- Multiple pressure class options: PN16, PN25, PN40, PN63, PN100
- Multiple trim material configurations available
- Graphite spiral wound gasket with stainless steel winding



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

CHECK VALVE

# DIN Cast Steel Swing Check Valve

SECTION Dimensions per size REF EFC-438

| SIZE          | D   | D1  | D2  | B  | F | N-Ø | L   | H   |
|---------------|-----|-----|-----|----|---|-----|-----|-----|
| DN50 (PN16)   | 165 | 125 | 102 | 20 | 3 | 4   | 300 | 205 |
| DN50 (PN25)   | 165 | 125 | 102 | 20 | 3 | 4   | 300 | 205 |
| DN50 (PN40)   | 165 | 125 | 102 | 20 | 3 | 4   | 300 | 205 |
| DN50 (PN63)   | 180 | 135 | 102 | 26 | 3 | 4   | 300 | 205 |
| DN50 (PN100)  | 195 | 145 | 102 | 30 | 3 | 8   | 300 | 205 |
| DN65 (PN16)   | 185 | 145 | 122 | 18 | 3 | 4   | 340 | 225 |
| DN65 (PN25)   | 185 | 145 | 122 | 22 | 3 | 8   | 340 | 225 |
| DN65 (PN40)   | 185 | 145 | 122 | 22 | 3 | 8   | 340 | 225 |
| DN65 (PN63)   | 205 | 160 | 122 | 26 | 3 | 8   | 340 | 225 |
| DN65 (PN100)  | 220 | 170 | 122 | 34 | 3 | 8   | 340 | 225 |
| DN80 (PN16)   | 200 | 160 | 138 | 20 | 3 | 8   | 380 | 235 |
| DN80 (PN25)   | 200 | 160 | 138 | 24 | 3 | 8   | 380 | 235 |
| DN80 (PN40)   | 200 | 160 | 138 | 24 | 3 | 8   | 380 | 235 |
| DN80 (PN63)   | 215 | 170 | 138 | 28 | 3 | 8   | 380 | 235 |
| DN80 (PN100)  | 230 | 180 | 138 | 36 | 3 | 8   | 380 | 235 |
| DN100 (PN16)  | 220 | 180 | 158 | 20 | 3 | 8   | 430 | 275 |
| DN100 (PN25)  | 235 | 190 | 162 | 24 | 3 | 8   | 430 | 275 |
| DN100 (PN40)  | 235 | 190 | 162 | 24 | 3 | 8   | 430 | 275 |
| DN100 (PN63)  | 250 | 200 | 162 | 30 | 3 | 8   | 430 | 275 |
| DN100 (PN100) | 265 | 210 | 162 | 40 | 3 | 8   | 430 | 275 |
| DN125 (PN16)  | 250 | 210 | 188 | 22 | 3 | 8   | 500 | 305 |
| DN125 (PN25)  | 270 | 220 | 188 | 24 | 3 | 8   | 500 | 305 |
| DN125 (PN40)  | 270 | 220 | 188 | 24 | 3 | 8   | 500 | 305 |
| DN125 (PN63)  | 295 | 240 | 188 | 34 | 3 | 8   | 500 | 305 |
| DN125 (PN100) | 315 | 250 | 188 | 40 | 3 | 8   | 500 | 305 |
| DN150 (PN16)  | 285 | 240 | 212 | 22 | 3 | 8   | 550 | 345 |
| DN150 (PN25)  | 300 | 250 | 218 | 28 | 3 | 8   | 550 | 345 |

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## DIN Cast Steel Swing Check Valve

Dimensions per size (continued) · EFC-438

| SIZE          | D   | D1  | D2  | B  | F | N-Ø | L    | H   |
|---------------|-----|-----|-----|----|---|-----|------|-----|
| DN150 (PN40)  | 300 | 250 | 218 | 28 | 3 | 8   | 550  | 345 |
| DN150 (PN63)  | 345 | 280 | 218 | 36 | 3 | 8   | 550  | 345 |
| DN150 (PN100) | 355 | 290 | 218 | 44 | 3 | 12  | 550  | 345 |
| DN200 (PN16)  | 340 | 295 | 268 | 24 | 3 | 12  | 650  | 400 |
| DN200 (PN25)  | 360 | 310 | 278 | 30 | 3 | 12  | 650  | 400 |
| DN200 (PN40)  | 375 | 320 | 285 | 30 | 3 | 12  | 650  | 400 |
| DN200 (PN63)  | 415 | 345 | 285 | 42 | 3 | 12  | 650  | 400 |
| DN200 (PN100) | 430 | 360 | 285 | 52 | 3 | 12  | 650  | 400 |
| DN250 (PN16)  | 405 | 355 | 320 | 26 | 3 | 12  | 775  | 455 |
| DN250 (PN25)  | 425 | 370 | 335 | 32 | 3 | 12  | 775  | 455 |
| DN250 (PN40)  | 450 | 385 | 345 | 32 | 3 | 12  | 775  | 455 |
| DN250 (PN63)  | 470 | 400 | 345 | 46 | 3 | 12  | 775  | 455 |
| DN300 (PN16)  | 460 | 410 | 378 | 28 | 4 | 12  | 900  | 520 |
| DN300 (PN25)  | 485 | 430 | 395 | 34 | 4 | 16  | 900  | 520 |
| DN300 (PN40)  | 515 | 450 | 410 | 34 | 4 | 16  | 900  | 520 |
| DN300 (PN63)  | 530 | 460 | 410 | 52 | 4 | 16  | 900  | 520 |
| DN350 (PN16)  | 520 | 470 | 438 | 30 | 4 | 16  | 1025 | 575 |
| DN350 (PN25)  | 555 | 490 | 450 | 36 | 4 | 16  | 1025 | 575 |
| DN350 (PN40)  | 580 | 510 | 465 | 38 | 4 | 16  | 1025 | 575 |
| DN350 (PN63)  | 600 | 525 | 465 | 56 | 4 | 16  | 1025 | 575 |
| DN400 (PN16)  | 580 | 525 | 490 | 32 | 4 | 16  | 1150 | 630 |
| DN400 (PN25)  | 620 | 550 | 505 | 40 | 4 | 16  | 1150 | 630 |
| DN400 (PN40)  | 660 | 585 | 535 | 50 | 4 | 16  | 1150 | 630 |
| DN400 (PN63)  | 670 | 585 | 535 | 60 | 4 | 16  | 1150 | 630 |
| DN500 (PN16)  | 715 | 650 | 610 | 36 | 4 | 20  | 1400 | 750 |
| DN500 (PN25)  | 730 | 660 | 615 | 40 | 4 | 20  | 1400 | 750 |
| DN500 (PN40)  | 755 | 670 | 615 | 52 | 4 | 20  | 1400 | 750 |
| DN500 (PN63)  | 800 | 705 | 615 | 68 | 4 | 20  | 1400 | 750 |

Dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.

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