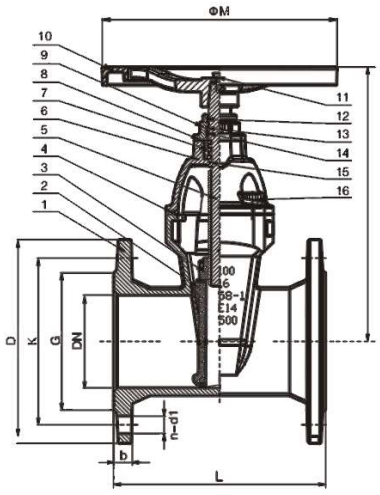
# SOFT SEAL GATE VALVE

## DIN BS ASME AS






## APPLICATION

| SIZE | DN40-1000 |
|---|---|
| CLASS | PN10/PN16/CL125/CL150 |
| DESIGN | EN1171,EN1074-2 |
| FACE TO FACE | EN558-1,ASME B16.10,AS2638 |
| END FLANGE | EN1092-2,ASME B16.1/16.42,AS4087 |
| TESTS | EN12266 |

## MATERIAL LIST

| STANDARD MATERIALS OF MAIN PARTS | | | |
|---|---|---|---|
| ITEM | PART NAME | MATERIAL | STANDARD |
| 1 | Body | GGG50/GJS500 | DIN 1693/BSEN1563 |
| 2 | Disc | GGG50+EPDM | DIN 1693 |
| 3 | Stem Nut | CuZn39Pb1 | EN12167 |
| 4 | Bonnet Gasket | NBR | ISO 4633 |
| 5 | Stem | X20CR13/420 | EN10088-1/ASTM A959 |
| 6 | Bonnet | GGG50/GJS500 | DIN 1693/BSEN1563 |
| 7 | Holding Ring | CuZn39Pb1 | EN 12167 |
| 8 | O Ring | NBR | ISO 4633 |

| STANDARD MATERIALS OF MAIN PARTS | | | |
|---|---|---|---|
| ITEM | PART NAME | MATERIAL | STANDARD |
| 9 | Gland | GGG50/GJS500 | DIN 1693/BSEN1563 |
| 10 | Handwheel | GGG50/GJS500 | DIN 1693/BSEN1563 |
| 11 | Bolts | C45E/1045 | EN 10083-2/ASTM A29 |
| 12 | Dust Ring | NBR | ISO 4633 |
| 13 | O Ring | NBR | ISO 4633 |
| 14 | Washer | Nylon 66 | |
| 15 | U Ring | EPDM | ISO 4633 |
| 16 | Screw | C45E/1045 | EN 10083-2/ASTM A29 |

## DIMENSIONS

| OUTLINE mm | | | | | | END FLANGE PN10/16-CL125/150 mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN | BS 5163 | DIN -F4 | DIN -F5 | ASME B16.10 | AS 2638 | EN1092-2 | | | ASME B16.1/B16.42 | | | AS4087 | | |
| | L | | | | | D | K | n-d | D | K | n-d | D | K | n-d |
| 40 | 165 | 140 | 240 | - | - | 150 | 110 | 4-Φ19 | 127 | 98.5 | 4-Φ16 | - | - | - |
| 50 | 178 | 150 | 250 | 178 | - | 165 | 125 | 4-Φ19 | 152 | 120.5 | 4-Φ19 | - | - | - |
| 65 | 190 | 170 | 270 | 190 | - | 185 | 145 | 4-Φ19 | 178 | 139.5 | 4-Φ19 | - | - | - |
| 80 | 203 | 180 | 280 | 203 | 203 | 200 | 160 | 8-Φ19 | 191 | 152.5 | 4-Φ19 | 185 | 146 | 4-Φ18 |
| 100 | 229 | 190 | 300 | 229 | 229 | 220 | 180 | 8-Φ19 | 229 | 190.5 | 8-Φ19 | 215 | 178 | 8-Φ18 |
| 125 | 254 | 200 | 325 | 254 | - | 250 | 210 | 8-Φ19 | 254 | 216 | 8-Φ22 | - | - | - |
| 150 | 267 | 210 | 350 | 267 | 267 | 285 | 240 | 8-Φ23 | 279 | 241.5 | 8-Φ22 | 280 | 235 | 8-Φ18 |
| 200 | 292 | 230 | 400 | 292 | 292 | 340 | 295 | 8-Φ23/12-Φ23 | 343 | 298.5 | 8-Φ22 | 335 | 292 | 8-Φ18 |
| 250 | 330 | 250 | 450 | 330 | 330 | 395/405 | 350/355 | 12-Φ23/12-Φ28 | 406 | 362 | 12-Φ25 | 405 | 356 | 8-Φ22 |
| 300 | 356 | 270 | 500 | 356 | 356 | 445/460 | 400/410 | 12-Φ23/12-Φ28 | 483 | 432 | 12-Φ25 | 455 | 406 | 12-Φ22 |