

**CAST IRON OR DUCTILE IRON
NON-RISING STEM GATE VALVE BOLTED BONNET**

DESIGN DESCRIPTION:

- Design: BS5163;
- Manufacture: Factory STD;
- Face To Face: BS5163
- Flange: BS4504, BS10/16 D/E;
- Bolt Bonnet;
- Soft Seal;
- Material and Working Temp.:
 - ◆ Cast Iron and Ductile Iron: 0 °C-200 °C(32 °F-392 °F)
 - ◆ Buna-N: 71 °C(160°F) Maximum
 - ◆ EPDM: 80 °C(176°F) Maximum

PARTS AND MATERIAL:

| NO. | PARTS NAME | MATERIALS |
|-----|--------------|---------------------------------|
| 1 | BODY | ASTM A126-B/A536,DIN GG25/GGG40 |
| 2 | DISC | Ductile iron with NBR/EPDM |
| 3 | STEM NUT | BRASS |
| 4 | STEM | 2CR13/BRASS |
| 5 | BONNET | ASTM A126-B/A536,DIN GG25/GGG40 |
| 6 | O-RING | EPDM |
| 7 | MATEL O-RING | CAST STEEL |
| 8 | O-RING | EPDM |
| 9 | GLAND | ASTM A126-B/A536,DIN GG25/GGG40 |
| 10 | HAND WHEEL | CAST IRON OR DUCTILE IRON |

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

DIMENSIONS LIST(UNIT:MM):

| | | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| DN | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| L | 165 | 178 | 190 | 203 | 229 | 254 | 267 | 292 | 330 | 356 | 381 | 406 | 432 | 457 | 508 |
| H | 321 | 326 | 351 | 384 | 418 | 460 | 506 | 597 | 692 | 770 | 851 | 933 | 1026 | 1114 | 1268 |
| PN10 | | | | | | | | | | | | | | | |
| D | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 395 | 445 | 505 | 565 | 615 | 670 | 780 |
| n | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 20 | 20 | 20 |
| d | 19 | 19 | 19 | 19 | 19 | 19 | 23 | 23 | 23 | 23 | 23 | 27 | 26 | 27 | 30 |
| D1 | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 350 | 400 | 460 | 515 | 565 | 620 | 725 |
| PN16 | | | | | | | | | | | | | | | |
| D | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 400 | 455 | 520 | 580 | 640 | 715 | 770 |
| n | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 20 | 20 | 20 |
| d | 19 | 19 | 19 | 19 | 19 | 19 | 23 | 23 | 28 | 28 | 28 | 31 | 31 | 34 | 37 |
| D1 | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 355 | 410 | 470 | 525 | 585 | 650 | 770 |

✧ We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency.

