

SHANGHAI CIPHY INDUSTRY CO.,LTD.

DIN PN16

CARBON STEEL OR STAINLESS STEEL

GATE VALVE BOLTED BONNET DESIGN

MODEL NO: SAD1RF-NRS-F4



GATE VALVE PRODUCT'S SIZE:

| PRESSURE GRADE | FROM | TO |
|----------------|------|-----|
| PN 16 | 2" | 20" |

DESIGN DESCRIPTION:

- * BOLTED BONNET AND WELDING BONNET;
- * NON-RISING STEM AND FLEXIBLE WEDGE,
- * FULLY GUIDER;
- * INTEGRAL SEATS;
- * HANDWHEEL OPERATOR;
- * AVAILABLE WITH GEAR OPERATOR;
- * FLANGED ENDS OR BUTT-WELDING ENDS;
- * RISING FLANGE OR RING TYPE JOINT.

WORKING PRESSURE AND TEMPERATURE

| WORKING TEMPERATURE | | |
|---------------------|---------------------------------------|---------------------------------------|
| MATERIAL | CELSIUR SCALE | FAHRENHEIT |
| CARBON STEEL | -29 ⁰ C~425 ⁰ C | 6 ⁰ F~822 ⁰ F |
| STAINLESS STEEL | -40 ⁰ C~550 ⁰ C | 15 ⁰ F~1047 ⁰ F |

GENERAL DESIGN SPECIFICATIONS:

| | |
|---------------------|-------------|
| ITEM | DIN PN 16 |
| MANUFACTURE | DIN 3352 |
| FACE TO FACE | DIN 3202 F4 |
| END FLANGE | DIN 2543 |
| INSPECTION AND TEST | DIN 3230 |

TEST PRESSURE TO DIN 3230

| DIN | SHELL (WATER) | SEAT (WATER) | SEAT (AIR) | BACK SEAT(WATER) |
|-------|---------------|--------------|------------|------------------|
| PN 16 | 24BARS | 17.6BARS | 6BARS | 17.6BARS |

TRIMS SPECITIED DUE TO TABLE 3:

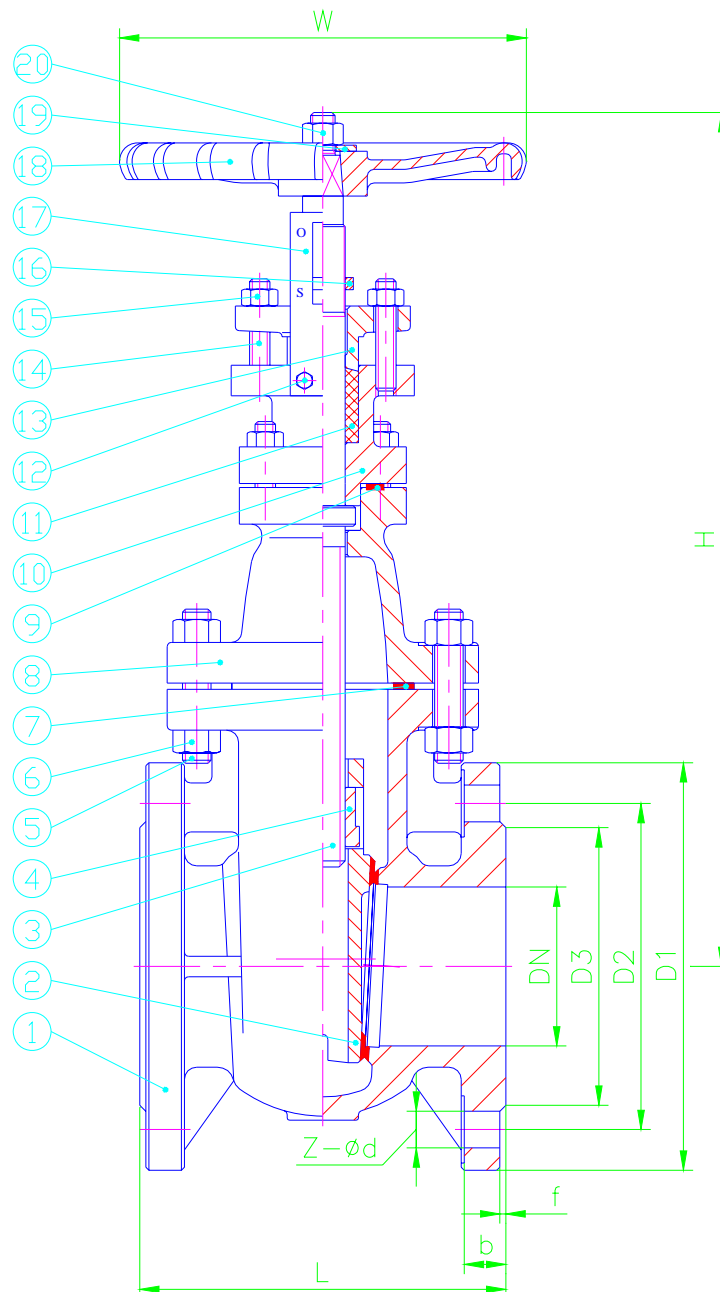
| DISC SEAT SURFACE PART NO.2 | BODY SEAT SURFACE | STEM PART NO.3 | BACKETSEAT |
|-----------------------------|-------------------|----------------|-------------|
| F6 | F6 | F6 | F6 |
| STELLITE | STELILITE | F6 | F6 |
| F6 | STELILITE | F6 | F6 |
| F304 | F304 | F304 | F304 |
| F316 | F316 | F316 | F316 |
| MONEL | MONEL | MONEL | MONEL |
| ALLOY 20 | ALLOY 20 | ALLOY 20 | ALLOY 20 |
| HASTELLOY B | HASTELLOY B | HASTELLOY B | HASTELLOY B |
| BRONZE | BRONZE | BRONZE | BRONZE |
| CF8 | R-PTFE(INSERT) | S.S. | S.S. |

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

PARTS AND MATERIAL (ASTM)

| NO | PARTS NAME | MATERIAL |
|----|-----------------|---|
| 1 | BODY | GS-C25 |
| 4 | STEM NUT | A439-D2 OR A276-410 OR BRASS |
| 5 | BONNET BOLT | A193B7 |
| 6 | BONNET BOLT NUT | A1942H |
| 7 | GASKET | REINFORCED FLAT GRAPHITE,OR SS SPIREAL WOUND W/GRAPHITE |
| 8 | BONNET | GS-C25 |
| 9 | GASKET | REINFORCED FLAT GRAPHITE,OR SS SPIREAL WOUND W/GRAPHITE |
| 10 | PACKING BOX | GS-C25 |
| 11 | STEM PACKING | BRAIDED GRAPITE OR DIEFORMED GRAPHITE RING OR PTFE |
| 12 | STUD | A193 B7 |
| 13 | GLAND | GS-C25 |
| 14 | EYE BOLT | A193B7 |
| 15 | EYE BOLT NUT | A1942H |
| 16 | INDICATOR | ASTM A1035 |
| 17 | SCALE | SS304 |
| 18 | HANDWHEEL | DUCTILE IRON |
| 19 | WASHER | ASTM A1035 |
| 20 | H.W.LOCK NUT | STEEL |

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:MM):

| DN | D3 | D2 | D1 | f | b | Z-d | L(F4) | H | W |
|-----|-----|-----|-----|---|----|-------|-------|------|-----|
| 50 | 102 | 125 | 165 | 3 | 18 | 4-18 | 150 | 310 | 180 |
| 65 | 122 | 145 | 185 | 3 | 18 | 4-18 | 170 | 342 | 180 |
| 80 | 138 | 160 | 200 | 3 | 20 | 8-18 | 180 | 418 | 200 |
| 100 | 158 | 180 | 220 | 3 | 20 | 8-18 | 190 | 454 | 200 |
| 125 | 188 | 210 | 250 | 3 | 22 | 8-18 | 200 | 520 | 250 |
| 150 | 212 | 240 | 285 | 3 | 22 | 8-22 | 210 | 567 | 250 |
| 200 | 268 | 295 | 340 | 3 | 24 | 12-22 | 230 | 710 | 320 |
| 250 | 320 | 355 | 405 | 3 | 26 | 12-26 | 250 | 890 | 320 |
| 300 | 378 | 410 | 460 | 4 | 28 | 12-26 | 270 | 918 | 400 |
| 350 | 438 | 470 | 520 | 4 | 30 | 16-26 | 290 | 1100 | 400 |
| 400 | 490 | 525 | 580 | 4 | 32 | 16-30 | 310 | 1300 | 500 |
| 500 | 610 | 650 | 715 | 4 | 36 | 20-33 | 350 | 1680 | 600 |

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



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