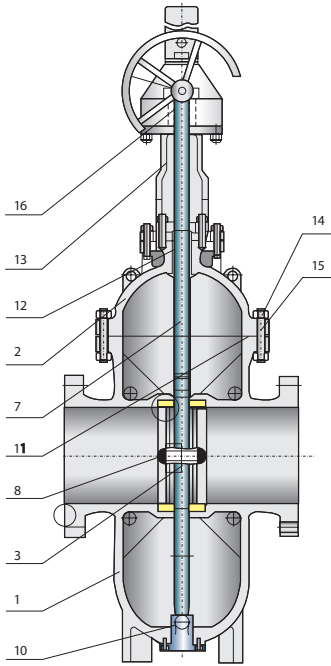


SLAB GATE VALVE

FlowBiz brand Slab / Conduit Gate valves provide a seat that adopts the O-Ring seals and oat valve seat structure before it tightens. The soft sealing inlays fluoroplastic offers the function of double-sealing.

FlowBiz provides two variants of metal to metal & Fluoroplastic to metal. Fluoroplastic removes the dirt of the gate & disc. Injecting the sealing component through the grease injection nipple outside the valve gives the seat to achieve bubble tightness.

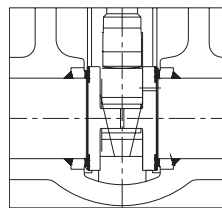
The slab gate valve structure ensures the gate's tightness against the seal whether the disc is open or close. The seal is protected from the media, extending the service life of the product. The flow resistance coefficient is negligible in the Full open position, resulting in almost no pressure loss.



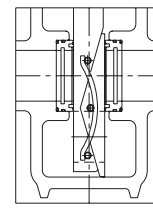
Single disc with pilot port structure

Components

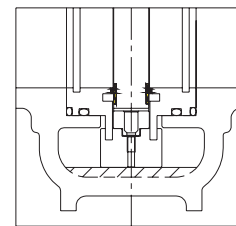
| No. | Part Name | No. | Part Name |
|-----|-----------------------------|-----|----------------|
| 1 | Body | 9 | Spring |
| 2 | Bonnet | 10 | Blowdown valve |
| 3 | Disc | 11 | Gasket |
| 4 | Seat | 12 | Packing |
| 5 | Sealing ring | 13 | Yoke |
| 6 | O-ring | 14 | Nut |
| 7 | Stem | 15 | Bolt |
| 8 | Seat grease injection valve | 16 | Stem Nut |



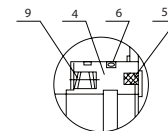
Double disc non-diversion hole structure



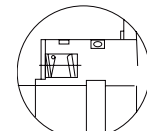
Double disc with diversion hole structure



Single disc non-diversion hole structure



Soft Sealing Structure



Hard Sealing Structure

Product Features

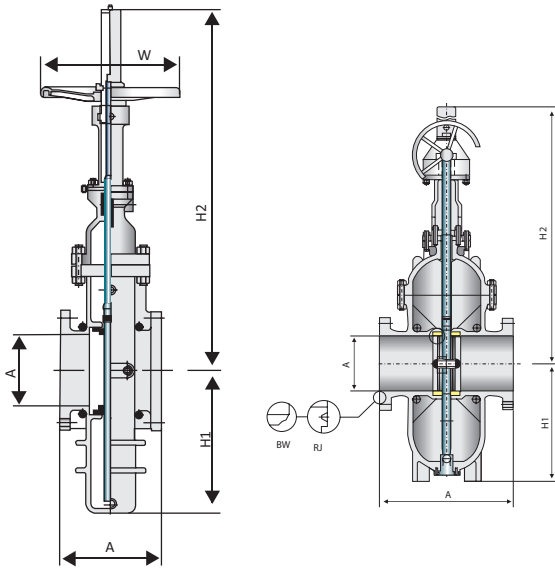
1. The valve seat adopts the structure of the O-Ringseals and oat valve seat before it tightens. The soft sealing inlays uoroplastic, it provides the functionof double-sealing; uoroplastic to metal and metal to metal. At the same time, uoroplastic can removethe dirst of the gate disc.
2. A grease injection nipple outside the valve injectsthe sealing component through the seat in order to achieve bubble tightness.
3. Slab gate valve structure ensures tightness of the gate against the seal whether the disc is open or close. The seal is protected from the media, extending the service life of the product. In full open position, the flow resistance coefficient is negligible resulting in almost no pressure loss.

Materials

| Body | WCB/LCB/CF8M/CF8/CF3M/CF3/WC6/WC9/CD3MN |
|--|---|
| Bonnet | WCB/LCB/CF8M/CF8/CF3M/CF3/WC6/WC9/CD3MN |
| Disc | A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51 |
| Seat | A105+ENP/LF2+ENP/F304/F316/F304L/F316L/F51 |
| Stem | F6a/F304/F316/F304L/F316L/F51 |
| Seal ring | PTFE/NYLON/PEEK/TEFLON |
| Sealing Surface Material | 1~12 Trim material |
| O-ring | VITON/NBR |
| Bolt | B7M/B8M/L7M/B16M |
| Nut | 2HM/8M/7M/4M |
| Spring | 17-4PH/Inconel |
| Stem nut | C95200/D2/A536 |
| Gasket | Flexible graphite+304/Flexible graphite+316 |
| Packing | Flexible graphite/PTFE |
| Material can be chosen according to customers' requirements & working condition. | |

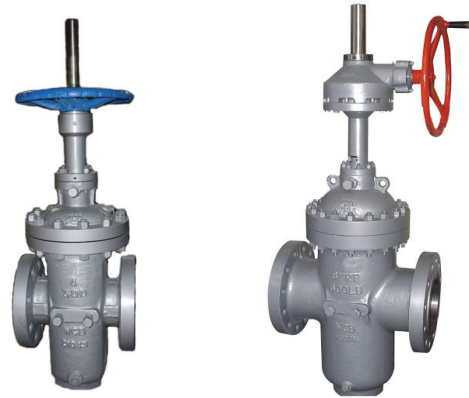


SLAB GATE VALVE, CLASS 150/300



Applicable Standards :

- DESIGN & MANUFACTURE: API 6D/ISO 14313, ASME B16.34
- END CONNECTIONS: ASME B16.5, DIN EN 1092
- FIRE RESISTANCE: API 607/ ISO 10497
- INSPECTION & TEST: API 6D, ISO 5208, API 598
- MATERIAL: ISO 15156



Dimensions (Class 150)

| NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m | NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m |
|------------------|-----|---------|---------|----------|----------|---------|----------|----------|-------------|-----|---------|---------|----------|----------|---------|----------|----------|
| ANSI Class 150Lb | | | | | | | | | | | | | | | | | |
| 2 | 50 | 178 | 51 | 125 | 452 | 200 | 25 | 23 | 16 | 400 | 406 | 385 | 685 | 1854 | 560 | 630 | 572 |
| 3 | 80 | 203 | 76 | 175 | 602 | 250 | 43 | 50 | 18 | 450 | 432 | 436 | 790 | 2088 | 650 | 836 | 728 |
| 4 | 100 | 229 | 100 | 202 | 680 | 280 | 65 | 60 | * 20 | 500 | 457 | 487 | 880 | 2420 | 460 | 1190 | 910 |
| 6 | 150 | 267 | 150 | 282 | 890 | 300 | 95 | 78 | * 24 | 600 | 508 | 589 | 1050 | 2688 | 460 | 1580 | 1313 |
| 8 | 200 | 292 | 201 | 355 | 1128 | 350 | 146 | 143 | * 28 | 700 | 610 | 684 | 1192 | 3078 | 460 | 2400 | 2028 |
| 10 | 250 | 330 | 252 | 445 | 1296 | 400 | 245 | 211 | * 30 | 750 | 610 | 735 | 1268 | 3252 | 600 | 3200 | 2305 |
| 12 | 300 | 356 | 303 | 518 | 1483 | 450 | 343 | 289 | * 32 | 800 | 711 | 779 | 1355 | 3495 | 600 | 3700 | 2795 |
| 14 | 350 | 381 | 334 | 606 | 1668 | 500 | 480 | 403 | * 36 | 900 | 711 | 874 | 1515 | 3898 | 600 | 4600 | 3783 |

Dimensions (Class 300)

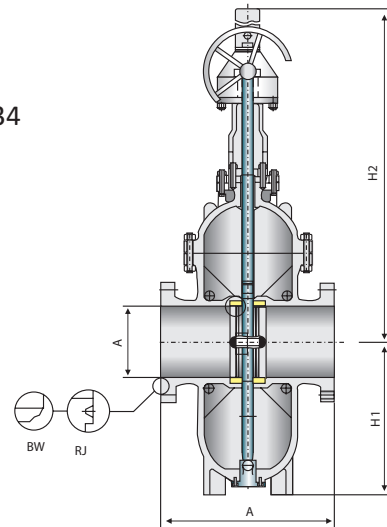
| NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m | NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m |
|------------------|-----|---------|---------|----------|----------|---------|----------|----------|-------------|-----|---------|---------|----------|----------|---------|----------|----------|
| ANSI Class 300Lb | | | | | | | | | | | | | | | | | |
| 2 | 50 | 292 | 51 | 135 | 456 | 200 | 30 | 25 | 16 | 400 | 902 | 385 | 730 | 1884 | 650 | 1280 | 735 |
| 3 | 80 | 356 | 76 | 182 | 618 | 250 | 48 | 71 | * 18 | 450 | 978 | 436 | 802 | 2163 | 460 | 1665 | 988 |
| 4 | 100 | 406 | 100 | 216 | 713 | 280 | 78 | 95 | * 20 | 500 | 1054 | 487 | 935 | 2420 | 460 | 2168 | 1235 |
| 6 | 150 | 495 | 150 | 315 | 903 | 350 | 152 | 117 | * 24 | 600 | 1232 | 589 | 1103 | 2810 | 460 | 2980 | 1963 |
| 8 | 200 | 597 | 201 | 382 | 1133 | 400 | 240 | 185 | * 28 | 700 | 1397 | 684 | 1262 | 3203 | 460 | 4060 | 2990 |
| 10 | 250 | 673 | 252 | 480 | 1403 | 450 | 420 | 292 | * 30 | 750 | 1524 | 735 | 1342 | 3412 | 600 | 4980 | 3566 |
| 12 | 300 | 762 | 303 | 545 | 1582 | 500 | 525 | 366 | * 32 | 800 | 1651 | 779 | 1422 | 3646 | 600 | 5800 | 4121 |
| 14 | 350 | 826 | 334 | 645 | 1688 | 560 | 810 | 576 | * 36 | 900 | 1880 | 874 | 1513 | 4055 | 600 | 7790 | 5785 |



SLAB GATE VALVE, CLASS 600/900/1500

Applicable Standards :

- DESIGN & MANUFACTURE: API 6D/ISO 14313, ASME B16.34
- END CONNECTIONS: ASME B16.5, DIN EN 1092
- FIRE RESISTANCE: API 607/ ISO 10497
- INSPECTION & TEST: API 6D, ISO 5208, API 598
- MATERIAL: ISO 15156



Dimensions (Class 600)

| NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m | NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m |
|------------------|-----|---------|---------|----------|----------|---------|----------|----------|-------------|-----|---------|---------|----------|----------|---------|----------|----------|
| ANSI Class 600Lb | | | | | | | | | | | | | | | | | |
| 2 | 50 | 292 | 51 | 160 | 466 | 250 | 60 | 32 | * 14 | 350 | 889 | 334 | 654 | 1745 | 460 | 1680 | 1453 |
| 3 | 80 | 356 | 76 | 228 | 622 | 280 | 106 | 117 | * 16 | 400 | 991 | 385 | 740 | 1978 | 460 | 2230 | 2103 |
| 4 | 100 | 432 | 100 | 258 | 724 | 350 | 160 | 169 | * 18 | 450 | 1092 | 436 | 812 | 2268 | 600 | 2700 | 2808 |
| 6 | 150 | 559 | 150 | 332 | 913 | 450 | 395 | 234 | * 20 | 500 | 1194 | 487 | 1040 | 2509 | 600 | 3100 | 3653 |
| 8 | 200 | 660 | 201 | 411 | 1148 | 560 | 605 | 319 | * 24 | 600 | 1397 | 589 | 1160 | 2820 | 600 | 5100 | 4953 |
| 10 | 250 | 787 | 252 | 493 | 1412 | 600 | 960 | 737 | * 28 | 700 | 1549 | 684 | 1288 | 3233 | 1000 | 7050 | 6253 |
| 12 | 300 | 838 | 303 | 577 | 1596 | 650 | 1520 | 1274 | * 30 | 750 | 1651 | 735 | 1330 | 3442 | 1000 | 8200 | 7163 |

Dimensions (Class 900)

| NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m | NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m |
|------------------|-----|---------|---------|----------|----------|---------|----------|----------|-------------|-----|---------|---------|----------|----------|---------|----------|----------|
| ANSI Class 900Lb | | | | | | | | | | | | | | | | | |
| 2 | 50 | 368 | 49 | 162 | 476 | 300 | 133 | 71 | 12 | 300 | 965 | 303 | 577 | 1600 | 460 | 1850 | 1296 |
| 3 | 80 | 381 | 74 | 230 | 638 | 350 | 198 | 150 | 14 | 350 | 1029 | 322 | 660 | 1755 | 460 | 2580 | 1482 |
| 4 | 100 | 457 | 100 | 262 | 730 | 400 | 260 | 181 | 16 | 400 | 1130 | 373 | 750 | 2028 | 600 | 3500 | 2139 |
| 6 | 150 | 610 | 150 | 336 | 920 | 560 | 565 | 413 | 18 | 450 | 1219 | 423 | 822 | 2228 | 600 | 4400 | 2919 |
| 8 | 200 | 737 | 201 | 415 | 1152 | 600 | 965 | 767 | 20 | 500 | 1321 | 471 | 1058 | 2525 | 600 | 5560 | 4486 |
| 10 | 250 | 838 | 252 | 496 | 1418 | 660 | 1280 | 1021 | 24 | 600 | 1549 | 589 | 1176 | 2850 | 1000 | 7480 | 5195 |

Dimensions (Class 1500)

| NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m | NPS inch | DN | A mm | B mm | H1 mm | H2 mm | W mm | WT Kg | T N.m |
|-------------------|-----|---------|---------|----------|----------|---------|----------|----------|-------------|-----|---------|---------|----------|----------|---------|----------|----------|
| ANSI Class 1500Lb | | | | | | | | | | | | | | | | | |
| 2 | 50 | 368 | 49 | 162 | 476 | 300 | 133 | 107 | * 6 | 150 | 705 | 144 | 338 | 930 | 460 | 830 | 618 |
| 3 | 80 | 470 | 74 | 230 | 638 | 400 | 235 | 225 | * 8 | 200 | 832 | 192 | 420 | 1160 | 460 | 1380 | 1151 |
| 4 | 100 | 546 | 100 | 270 | 745 | 500 | 398 | 272 | * 10 | 250 | 991 | 239 | 500 | 1428 | 460 | 2230 | 1532 |

Note : * Turbine drives

