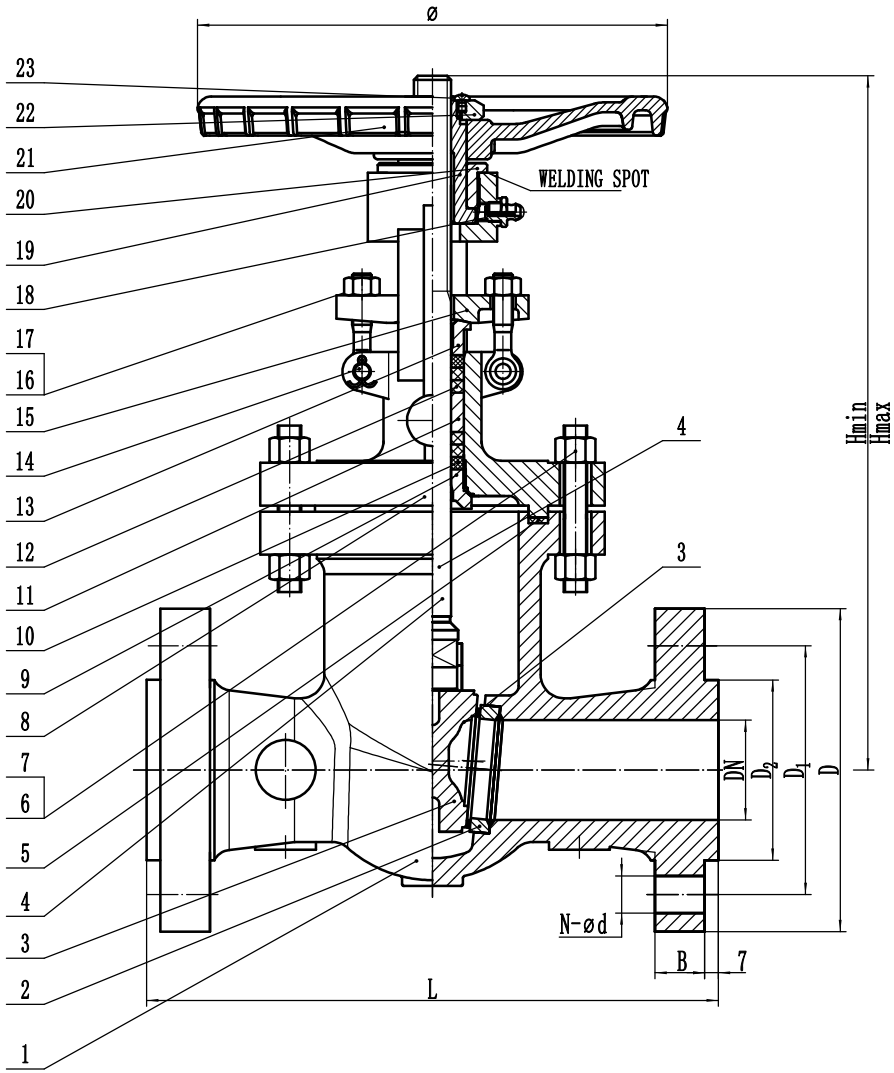
## STANDARDS

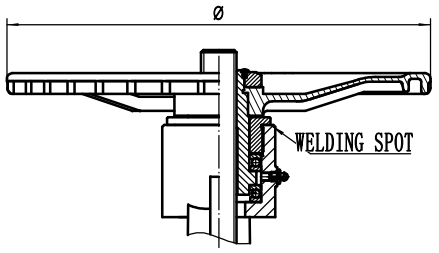
1. Design and maufacture: API 600;
2. Face to face length:ASME B 16.10;
3. Flange end:ANSI B 16.5;
4. Test and inspect: API 598;
5. Pressure temperature rating: ASME B 16.34.

## SPECIFICATION

| | | |
|---|---|---|
| DN | 2″~12″ | |
| PN | 600Lb | |
| T ℃ | -29~425 | |
| TEST MPa | SHELL TEST | 15.4 (water) |
| | SEAL TEST | 11.3 (water) |
| | BACK SEAT | 11.3 (water) |
| | AIR TEST | 0.4-0.7 (air) |
| MEDIUM | water, steam, oil | |

| size \ item | L | DN | $D_2$ | $D_1$ | D | N×ød | B | Hmin/Hmax | ø |
|---|---|---|---|---|---|---|---|---|---|
| 2″ | 292±1.5 | ø51 | ø92.1 | ø127 | ø165 | 8-ø19 | 25.4 | 355/420 | ø240 |
| 2½″ | 330±1.5 | ø64 | ø104.8 | ø149.2 | ø190 | 8-ø22.5 | 28.6 | 385/476 | ø240 |
| 3″ | 356±1.5 | ø77 | ø127 | ø168.3 | ø213 | 8-ø22.5 | 31.8 | 437/526 | ø280 |
| 4″ | 432±1.5 | ø102 | ø157.2 | ø215.9 | ø275 | 8-ø25.5 | 38.1 | 550/667 | ø320 |
| 6″ | 559±1.5 | ø153 | ø215.9 | ø292.1 | ø355 | 12-ø28.5 | 47.7 | 718/893 | ø450 |
| 8″ | 660±1.5 | ø200 | ø269.9 | ø349.2 | ø420 | 12-ø32 | 55.6 | 875/1105 | ø560 |
| 10″ | 787±1.5 | ø248 | ø323.8 | ø431.8 | ø510 | 16-ø35 | 63.5 | 1021/1316 | ø720 |
| 12″ | 838±2 | ø299 | ø381 | ø489 | ø560 | 20-ø35 | 66.7 | 1205/1580 | ø800 |




6″-12″STRUCTURE

| NO | | NAME | MATERIAL | | | |
|---|---|---|---|---|---|---|
| 23 | | SELF-TAPPING LOCKING SCREW | 45 | | | |
| 22 | | LOCK NUT | ASTM A29M 1020 | | | |
| 21 | | HANDWHEEL | ASTM A536 65-45-12 | | | |
| 20 | | BEAR GLAND | ASTM A29M 1020 | | | |
| 19 | | STEM NUT | ASTM A439 D2 | | | |
| 18 | | OIL CUP | H62 | | | |
| 17 | | HEAVY HEX-NUT | ASTM A194 2H | | | |
| 16 | | SWING BOLT | ASTM A193 B7 | | | |
| 15 | | PACKING GLAND | ASTM A216 WCB | | | |
| 14 | | PIN SHAFT | 35 | | | |
| 13 | | PACKING SLEEVE | ASTM A276 410 | | | |
| 12 | | PACKING | ASTM A276 304+Graphite | | | |
| 11 | | DISTANCE RING | ASTM A276 410 | | | |
| 10 | | FLEXIBLE GRAPHITE PACKING | RBTN2-600 | | | |
| 9 | | BACK SEAT | ASTM A276 410 | | | |
| 8 | | BONNET | ASTM A216 WCB | | | |
| 7 | | ALL THREADED STUD | ASTM A193 B7 | | | |
| 6 | | HEAVY HEX-NUT | ASTM A194 2H | | | |
| 5 | | BONNET GASKET | ASTM A276 304+Graphite | | | |
| 4 | | STEM (8″-12″) | ASTM A182/A182M F6a Cl.3 | | | |
| 4 | | STEM (2″-6″) | ASTM A182/A182M F6a Cl.2 | | | |
| 3 | | DISC (2″-4″) | ASTM A217 CA15+STL | | | |
| 3 | | DISC (5″-12″) | ASTM A216 WCB+STL | | | |
| 2 | | SEAT | ASTM A105+STL | | | |
| 1 | | BODY | ASTM A216 WCB | | | |

YUANDA VALVE GROUP

API GATE VALVE

API 600 GA 2-12