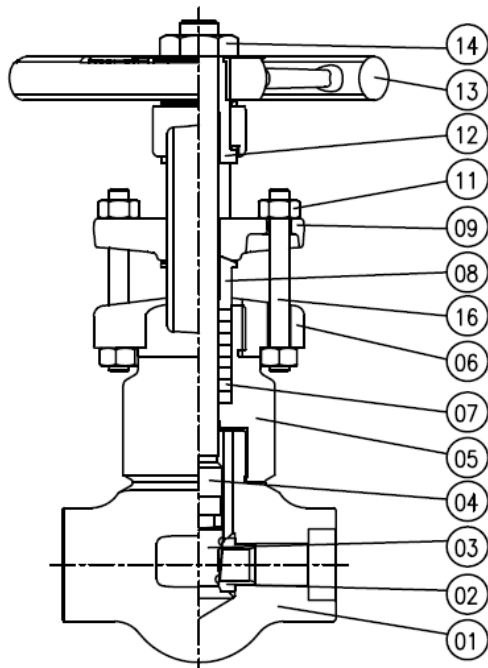


## CLASS 900 ~ 2500 GATE VALVE – OS&Y, WB TYPE



### SPECIFICATIONS

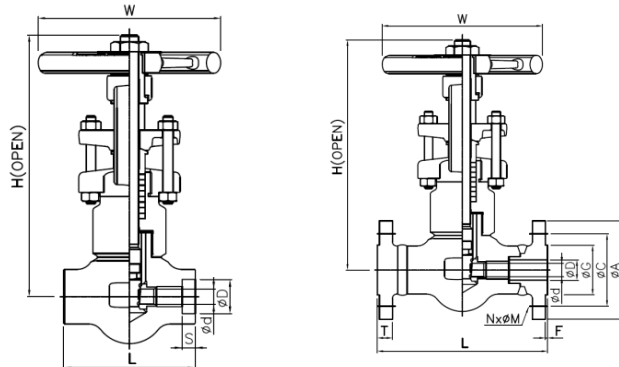
- 1) Valve Size: 1/2" ~ 2"
- 2) Applicable Rating: ASME 1500# ~2500#
- 3) Temperature: Up to 500°C
- 4) Code & Standard: API, BS, ASME, ASTM  
Designed by ASME B16.11 / 16.34 / 16.5,  
API 602
- 5) Constructions
  - \* End Connection: Socket-Welded or Flanged Type
  - \* OS & Y, WB (=Welded Bonnet) Type
  - \* Full Bore / Reduce Bore
  - \* Rising Stem / Non Rising Hand wheel
  - \* Manual or Motor Operated  
(Pneumatic, Electric, or Hydraulic)

| SHELL & SEAT LEAKAGE TEST PRESSURE(A105) |                              |                             |       |
|--|------------------------------|-----------------------------|-------|
| CLASS                                    | SHELL (kgf/cm <sup>2</sup> ) | SEAT (kgf/cm <sup>2</sup> ) |       |
|  | WATER                        | AIR                         | WATER |
| 900#                                     | 236                          | 6                           | 172   |
| 1500#                                    | 393                          |                             | 287   |
| 2500#                                    | 653                          |                             | 478   |

### STANDARD COMPONENT MATERIALS

| NO | Part Name      | MATERIAL(BODY/TRIM) |           |           |                |                 |
|----|----------------|---------------------|-----------|-----------|----------------|-----------------|
|    |                | A105/F6a            | LF2/304   | F11/F6a   | F304(L)/304(L) | F316(L)/316(L)  |
| 01 | BODY           | A105                | LF2       | F11       | F304(L)        | F316(L)         |
| 02 | SEAT RING      | A276-410            | A276-304  | A276-410  | A276-304(L)    | A276-316(L)     |
| 03 | WEDGE          | A217-CA15           | A351-CF8  | A217-CA15 | A351-CF8(CF3)  | A351-CF8M(CF3M) |
| 04 | STEM           | A276-410            | A276-304  | A276-410  | A276-304(L)    | A276-304(L)     |
| 05 | BONNET         | A105                | LF2       | F11       | F304(L)        | F304(L)         |
| 06 | YOKE           | A105                | A105      | A105      | A351-CF8M      | A351-CF8M       |
| 07 | GLAND PACKING  | Graphite            | Graphite  | Graphite  | Graphite       | Graphite        |
| 08 | GLAND          | A276-410            | A276-410  | A276-410  | A276-316       | A276-316        |
| 09 | GLAND FLANGE   | A105                | A105      | A105      | F316           | F316            |
| 10 | GLAND BOLT     | A193-B7             | A193-B7   | A193-B7   | A193-B8        | A193-B8         |
| 11 | GLAND BOLT NUT | A194-2H             | A194-2H   | A194-2H   | A194-8         | A194-8          |
| 12 | SLEEVE         | A276-410            | A276-410  | A276-410  | A276-410       | A276-410        |
| 13 | HAND WHEEL     | A47                 | A47       | A47       | A47            | A47             |
| 14 | WHEEL NUT      | A108-1025           | A108-1025 | A108-1025 | A108-1025      | A108-1025       |
|    |                |                     |           |           |                |                 |
|    |                |                     |           |           |                |                 |
|    |                |                     |           |           |                |                 |

## CLASS 900 ~ 2500 GATE VALVE – OS&Y, WB TYPE



### Connection ends conform to:

- 1) Socket welded ends conform to ASME B16.11
- 2) Screw ends conform to ASME B1.20.1
- 3) Butt-welded ends conform to ASME B16.25
- 4) Flanged ends conform to ASME B16.5

### - DIMENSION TABLE (Socket Welding End)

| CLASS         | SIZE   | H   | W   | L   | d    | ANSI        |    | JIS         |      | WEIGHT (KG) |
|---------------|--------|-----|-----|-----|------|-------------|----|-------------|------|-------------|
|               |        |     |     |     |      | D           | S  | D           | S    |             |
| #900<br>#1500 | 1/2"   | 230 | 150 | 114 | 12.0 | 21.8 - 22.2 | 10 | 22.2 - 22.5 | 9.7  | 5.6         |
|               | 3/4"   | 257 | 150 | 114 | 12.0 | 27.2 - 27.6 | 13 | 27.7 - 28.0 | 12.7 | 6.2         |
|               | 1"     | 278 | 180 | 130 | 15.0 | 33.9 - 34.3 | 13 | 34.5 - 34.8 | 12.7 | 8.7         |
|               | 1-1/4" | 335 | 200 | 150 | 20.0 | 42.7 - 43.1 | 13 | 43.2 - 43.5 | 12.7 | 13.7        |
|               | 1-1/2" | 335 | 200 | 150 | 28.0 | 48.8 - 49.2 | 13 | 49.1 - 49.4 | 12.7 | 13.7        |
|               | 2"     | 380 | 250 | 190 | 33.0 | 61.2 - 61.7 | 16 | 61.1 - 61.4 | 15.9 | 25.1        |
| #2500         | 1/2"   | 260 | 150 | 114 | 12.0 | 21.8 - 22.2 | 10 | 22.2 - 22.5 | 9.7  | 6.3         |
|               | 3/4"   | 277 | 180 | 130 | 12.0 | 27.2 - 27.6 | 13 | 27.7 - 28.0 | 12.7 | 8.9         |
|               | 1"     | 326 | 200 | 150 | 15.0 | 33.9 - 34.3 | 13 | 34.5 - 34.8 | 12.7 | 14.1        |
|               | 1-1/4" | 370 | 250 | 190 | 20.0 | 42.7 - 43.1 | 13 | 43.2 - 43.5 | 12.7 | 25.5        |
|               | 1-1/2" | 370 | 250 | 190 | 28.0 | 48.8 - 49.2 | 13 | 49.1 - 49.4 | 12.7 | 25.5        |
|               |        |     |     |     |      |             |    |             |      |             |

### - DIMENSION TABLE (RF FLANGE End)

| CLASS         | SIZE   | H   | W   | L   | d    | D    | G    | C     | A     | T    | F   | N x M  | WEIGHT (KG) |
|---------------|--------|-----|-----|-----|------|------|------|-------|-------|------|-----|--------|-------------|
| #900<br>#1500 | 1/2"   | 230 | 150 | 216 | 12.0 | 15.8 | 35.1 | 82.6  | 121   | 22.4 | 6.4 | 4x22.4 | 6.2         |
|               | 3/4"   | 257 | 150 | 229 | 12.0 | 20.9 | 43.0 | 88.9  | 130   | 25.4 | 6.4 | 4x22.4 | 7.2         |
|               | 1"     | 278 | 180 | 254 | 15.0 | 26.7 | 50.8 | 102.0 | 149   | 28.5 | 6.4 | 4x25.4 | 9.7         |
|               | 1-1/2" | 335 | 200 | 305 | 28.0 | 40.9 | 73.2 | 124.0 | 178   | 31.8 | 6.4 | 4x28.5 | 15.7        |
|               | 2"     | 380 | 250 | 368 | 33.0 | 52.6 | 92.0 | 165.1 | 216   | 38.1 | 6.4 | 8x25.4 | 27.1        |
| #2500         | 1/2"   | 260 | 150 | 264 | 12.0 | 15.8 | 35.1 | 88.9  | 133.0 | 36.7 | 6.4 | 4x22.4 | 7.5         |
|               | 3/4"   | 277 | 180 | 273 | 12.0 | 20.9 | 43.0 | 95.3  | 139.7 | 38.2 | 6.4 | 4x22.4 | 11.3        |
|               | 1"     | 326 | 200 | 308 | 15.0 | 26.7 | 50.8 | 108.0 | 158.8 | 41.4 | 6.4 | 4x25.4 | 17.6        |
|               | 1-1/2" | 370 | 250 | 384 | 28.0 | 40.9 | 73.2 | 146.1 | 203.2 | 50.9 | 6.4 | 4x31.8 | 36.0        |
|               | 2"     | 479 | 250 | 451 | 33.0 | 52.6 | 92.0 | 171.5 | 235.0 | 57.2 | 6.4 | 8x28.5 | 39.3        |
|               |        |     |     |     |      |      |      |       |       |      |     |        |             |
|               |        |     |     |     |      |      |      |       |       |      |     |        |             |
|               |        |     |     |     |      |      |      |       |       |      |     |        |             |
|               |        |     |     |     |      |      |      |       |       |      |     |        |             |