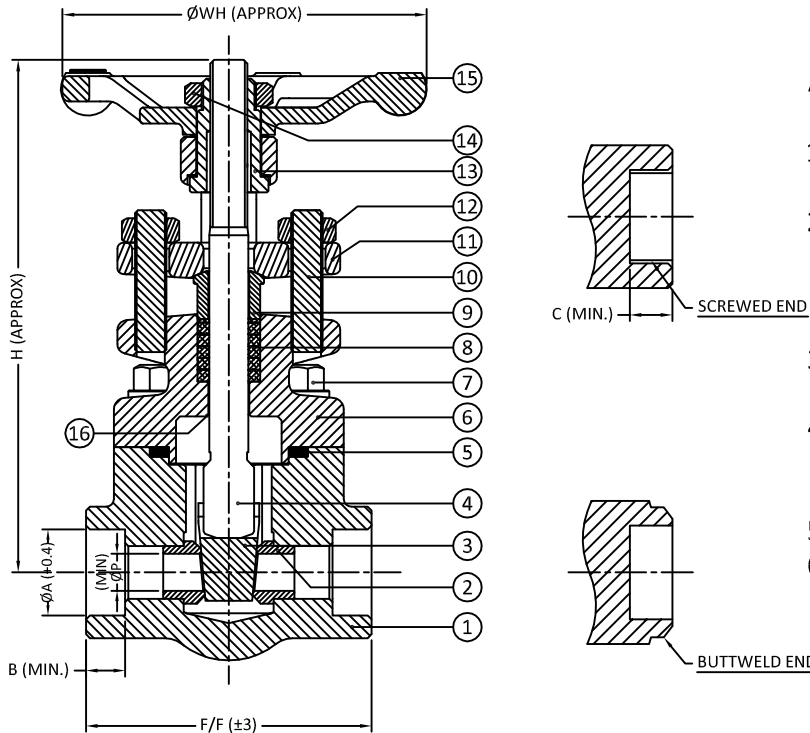


# GATE VALVE - 800#



## Application Standards

- 1 - Design and manufacture conform to API 602 / ISO 15761
- 2 - Connection ends conform to
  - 1) Socket weld standard :- ASME B16.11.
  - 2) Screwed end standard :- ASME B1.20.1.
  - 3) Butt-weld standard :- ASME B16.25.
- 3 - Testing standard API 598
- 4 - Structure features
  - Bolted bonnet, outside screw and yoke
  - Welded bonnet, outside screw and yoke
- 5 - Materials conform to ANSI / ASTM
- 6 - Main materials
  - A105, F304, F304L, F316, F316L, F5, F9, F11, F22, F51, F55, F91, LF2.

| 800#  |     |      |      |      |      |        |         |     |
|-------|-----|------|------|------|------|--------|---------|-----|
| SIZES | F/F | ØP   | ØA   | B    | C    | H-OPEN | H-CLOSE | ØWH |
| 15 mm | 73  | 9.5  | 21.8 | 9.5  | 14.0 | 151    | 135     | 86  |
| 20 mm | 80  | 12.7 | 27.2 | 12.5 | 16.0 | 157    | 137     | 86  |
| 25 mm | 100 | 17.5 | 33.9 | 12.5 | 20.0 | 186    | 162     | 116 |
| 32 mm | 120 | 23.8 | 42.7 | 12.5 | 20.0 | 237    | 201     | 150 |
| 40 mm | 120 | 28.6 | 48.8 | 12.5 | 24.0 | 237    | 201     | 150 |
| 50 mm | 130 | 36.5 | 61.2 | 16.0 | 26.0 | 268    | 223     | 150 |

| HYDRO TEST PRESSURE (15 Sec.)     |                          |
|-----------------------------------|--------------------------|
|                                   | 800#                     |
| SHELL/BODY                        | 211 kg / cm <sup>2</sup> |
| SEAT                              | 153 kg / cm <sup>2</sup> |
| BACK SEAT                         | 153 kg / cm <sup>2</sup> |
| PNEUMATIC TEST PRESSURE (15 Sec.) |                          |
| SEAT                              | 7 kg / cm <sup>2</sup>   |

|            |                    |   |             |
|------------|--------------------|---|-------------|
| 16         | BACK SHEET         | INTEGRAL  | -           |
| 15         | HAND WHEEL         | SG IRON/MI  | 1           |
| 14         | STEM NUT           | ASTM A 194 GR. 2H/B8/B8M                                      | 1           |
| 13         | YOKE SLEEVE        | BS970: 1955 EN1A  | 1           |
| 12         | STUD NUT           | ASTM A 194 GR. 2H/B8/B8M                                      | 2           |
| 11         | GLAND FLANGE       | ASTM A105/F304/F316/F11/F22                                   | 1           |
| 10         | STUD               | ASTM A 193 GR. B7/B8/B8M                                      | 2           |
| 9          | GLAND BUSH         | ASTM A 276 TYPE SS-410/304/304L/316/316L                      | 1           |
| 8          | GLAND PACKING      | FLEXIBLE GRAPHITE RINGS                                       | 5           |
| 7          | HEX BOLT           | ASTM A 193 GR. B7/B8/B8M                                      | 4           |
| 6          | BONNET             | ASTM A105/F304/F304L/F316/F316L/F5/F9/F11/F22/F51/F55/F91/LF2 | 1           |
| 5          | GASKET             | SS-304 SPRIAL WOUNDED GRAPHITE                                | 1           |
| 4          | STEM               | ASTM A 182 GR. F6a/F304/F304L/F316/F316L                      | 1           |
| 3          | WEDGE              | ASTM A 217 GR. CA-15/CF8/CF3/CF8M/CF3M                        | 1           |
| 2          | SEAT RING          | ASTM A 276 TYPE SS-410/304/304L/316/316L                      | 2           |
| 1          | BODY               | ASTM A105/F304/F304L/F316/F316L/F5/F9/F11/F22/F51/F55/F91/LF2 | 1           |
| <b>NO.</b> | <b>DESCRIPTION</b> | <b>MATERIALS</b>  | <b>Qty.</b> |