



## GATE VALVE (FORGED)

We, "Flow-Tech" are a leading manufacturer and Exporters of FORGED GATE VALVE. We have a wide range of FORGED GATE VALVE in A 105, F304, F316 and many more other metals on request. "Flow-Tech" FORGED GATE VALVE mainly Used in Process Industries and High Pressure Application in Industries.

"Flow-Tech" FORGED GATE VALVE design is developed with following and using international Standard for having an International Competency with Global Manufacturers.

We "Flow-Tech" follow an international standards and designs to get 100% superior quality with workmanship & service to maintain trust of our Clients and repeat order



### TECHNICAL DETAIL

|                               |   |
|-------------------------------|---|
| DESIGN TYPE                   | OS R Y TYPE RISING STEM PRESSURE SEAL BONNET                                      |
| MFG. STANDARD                 | API 602/ BS 5352  |
| TESTING STANDARD              | API 598/ BS 6755  |
| SCREWED END                   | ASME B 1.20.1   |
| SOCKET WELD END               | ASME B 16.11  |
| -----                         | -----   |
| PRESSURE & TEMPERATURE RATING | ASME B 16.34  |
| PRESSURE CLASS                | 800#, 1500#, 2500#  |
| VALVE SIZE                    | 1/2" To 2" (15 mm TO 50 mm)   |
| END CONNECTIONS               | SCREWED (BSP / NPT) F / SOCKET WELD   |
| -----                         | -----   |
| MATERIAL OF CONSTRUCTION      | ASTMA 105 / LF2 / F11 / F22 ASTMA 182 GR. F304 / F304L ASTMA 182 GR. F316 / F316L |
| OPERATIONS                    | HAND WHEEL / GEAR / PNEUMATIC / ELECTRICAL ACTUATOR                               |

#### FACE TO FACE DIMENSIONS (FLANGED)

| INCH   | MM | 800#  | 1500# | 2500# |
|--------|----|-------|-------|-------|
| 1/2"   | 15 | 90.0  | 93.0  | 108.0 |
| 3/4"   | 20 | 93.0  | 108.0 | 128.0 |
| 1"     | 25 | 108.0 | 128.0 | 128.0 |
| 1 1/4" | 32 | 128.0 | 128.0 | 145.0 |
| 1 1/2" | 40 | 128.0 | 145.0 | —     |
| 2"     | 50 | 145.0 | —     | —     |

#### TEST PRESSURE

| CLASS | BODY HYDRO |        | SEAT HYDRO TEST |        | BACK SEAT TEST |       | AIR TEST |       |
|-------|------------|--------|-----------------|--------|----------------|-------|----------|-------|
|       | PSIG       | KG/CM2 | PSIG            | KG/CM2 | PSIG           | KG/CM | PSIG     | KG/CM |
| 800#  | 3000       | 211    | 2178            | 153    | 2178           | 153   | 100      | 7     |
| 1500# | 5546       | 396    | 4124            | 290    | 4124           | 290   | 100      | 7     |
| 2500# | 9314       | 655    | 6897            | 485    | 6897           | 485   | 100      | 7     |

\*Pressure Testing Time Will be 15 Sec. \*Test With Water only.