



## Forged steel gate valves ANSI class # 800



VIT-800-GTF

Design & construction: API 602, ASME / ANSI B16.34

Ends connections: SW ASTM / ANSI B16.11; NPT

ASME / ANSI B1.20.1, class #800

Pressure & temperature: ASME / ANSI B16.34

Test: API 598

Fig. 1512: ASTM A105/F6 + 1/2 STELLITE (TRIM. N.8)

Fig. 1513: ASTM A182 F316/316

The forged steel gate valves are on-off valves manufactured according to API, ANSI, ASME standard, for industrial applications. The forged steel gate valves are manufactured with: outside screw and yoke, bolted or welded bonnet, rising stem, NPT threaded ends or socketed weld ends. The body of the valve is in A105/F6, other materials are available upon request. Handwheel operated.

### Materials

|                     |                           |
|---------------------|---------------------------|
| body-bonnet         | forged steel A105, P250GH |
| stem                | stainless steel A182 F6   |
| sealing seat facing | A 182 F6                  |
| stem packing        | graphited                 |
| bonnet gasket       | spiral wound AISI 304     |

## Dimensions

| DN    | S mm. | L mm. | H mm. | Weight kg. |
|-------|-------|-------|-------|------------|
| 1/4"  | 9     | 60    | 135   | 1          |
| 3/8"  | 9     | 60    | 135   | 1.5        |
| 1/2"  | 14    | 70    | 160   | 1.5        |
| 3/4"  | 18    | 92    | 180   | 2          |
| 1"    | 22    | 110   | 195   | 3          |
| 1"1/4 | 31    | 127   | 230   | 6          |
| 1"1/2 | 35    | 130   | 230   | 7.5        |
| 2"    | 43    | 159   | 235   | 10.5       |

## Pressure

### Pressure related to temperature

| °F  | °C  | PSI  | kg/cm2 |
|-----|-----|------|--------|
| 100 | 38  | 2000 | 141    |
| 200 | 93  | 1940 | 136    |
| 300 | 149 | 1895 | 133    |
| 400 | 204 | 1850 | 130    |
| 500 | 260 | 1735 | 122    |
| 600 | 316 | 1540 | 108    |