

**Fig No: FGTF-600 Integral body flanged**  
**1/2"~ 2" DN15 ~ DN50**

**Features :**

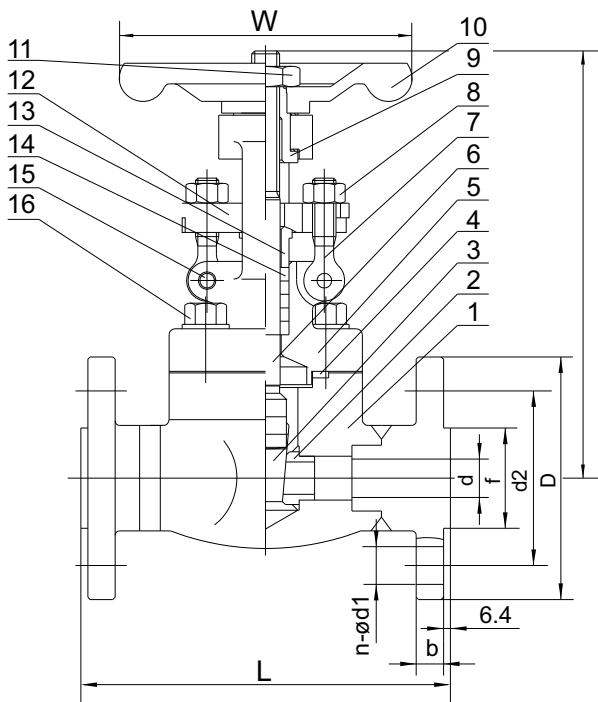
Integral flanged valves are available in bonnet designs. The design is the Bolted Bonnet, With male-female joint, spiral wound gasket, made in F304L/graphite. Ring joint gasket are also available on request. Integral flanged end valves are available in gate, globe, piston check design configuration.

**Integral Flanged End Valve Design Construction and Specifications:**

Integral flanged end valves conform to API602, MSS-SP-118 (as applicable), and ANSI B16.34. BS 5352. Each are tested according to API 598, Marking is per MSS SP-25.

**Construction is as follows :**

- Full Port or Conventional Port
- Face to Face according to ANSI B16.10
- Flanges according to ANSI B16.5
- Outside Screw and Yoke (OS&Y)
- Two piece self-aligning packing gland
- Integral backseat
- Integral flanges
- Bolted bonnet with spiral-wound gasket



**DIMENSIONS**

unit:mm

| NPS   | d  | f  | d2    | D   | b  | n-ød1 | L   | W   | H   |
|-------|----|----|-------|-----|----|-------|-----|-----|-----|
| 1/2   | 13 | 35 | 66.5  | 95  | 15 | 4-16  | 165 | 100 | 145 |
| 3/4   | 19 | 43 | 82.5  | 118 | 16 | 4-19  | 190 | 100 | 150 |
| 1     | 25 | 51 | 89    | 124 | 18 | 4-19  | 216 | 125 | 175 |
| 1-1/4 | 32 | 64 | 98.5  | 133 | 21 | 4-19  | 229 | 160 | 200 |
| 1-1/2 | 38 | 73 | 114.5 | 156 | 23 | 4-22  | 241 | 160 | 205 |
| 2     | 51 | 92 | 127   | 165 | 26 | 8-19  | 292 | 160 | 230 |

**MATERIALS LIST**

| NO | Name          | MATERIAL          |         |               |
|----|---------------|-------------------|---------|---------------|
| 1  | BODY          | A105              | F304(L) | F316(L)       |
| 2  | SEAT RING     | A182 F6           | F304(L) | F316(L)       |
| 3  | WEDGE         | A182 F6           | F304(L) | F316(L)       |
| 4  | GASKET        | F304+GRAPHITE     |         | F316+GRAPHITE |
| 5  | BONNET        | A105              | F304(L) | F316(L)       |
| 6  | STEM          | A182 F6           | F304(L) | F316(L)       |
| 7  | GLAND EYEBOLT | A193 B7           | A193 B8 |               |
| 8  | GLAND NUT     | A194 2H           | A194 8  |               |
| 9  | YOKE NUT      | A276 410          |         |               |
| 10 | HANDWHEEL     | 60-40-18          |         |               |
| 11 | H.W.HUT       | A194 2H           | A194 B8 |               |
| 12 | GLAND         | A276 410          | F304(L) | F316(L)       |
| 13 | GLAND FLANGE  | A105              | F304    | F316          |
| 14 | STEM PACKING  | FLEXIBLE GRAPHITE |         |               |
| 15 | PIN           | F304              |         |               |
| 16 | BONNET BOLT   | A193 B7           | A193 B8 |               |

Other Materials Also Available On Requested