

**Fig no. GTF-150**

**1/2" - 12" (DN15- DN300)**



### Features:

Flexible wedge,  
OS & Yoke design, Body Bolted type  
Rising stem design, Non rising handwheel  
Integral seat  
For General Chemical and Industrial application

### Standard Compliance :

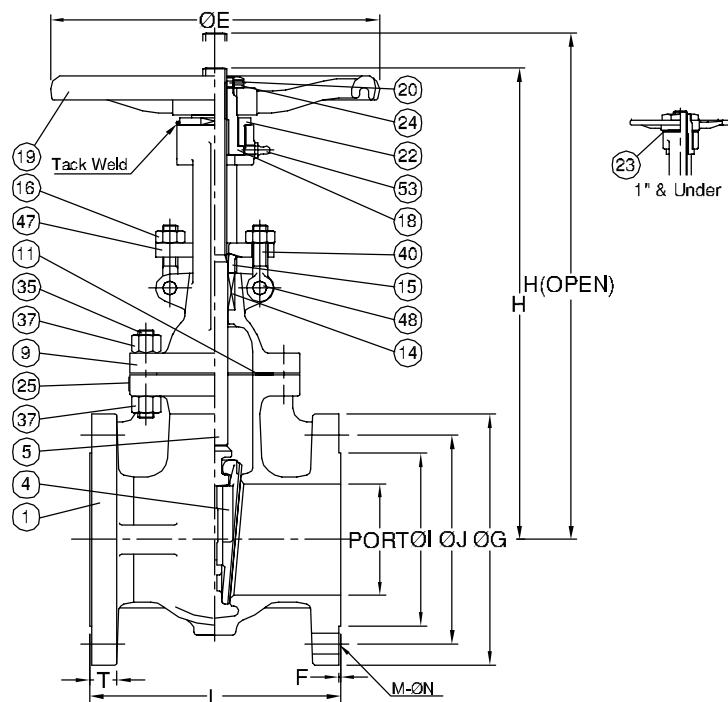
Design per API 603  
Body wall thickness : ANSI B16.34  
Face to face : ANSI B16.10 class 150  
Flange dimension : ANSI B16.5 class 150 RF  
Body material : A351 CN7M  
Pressure testing : EN 12266-1/ API 598

### Specification :

End connection : Flange end  
Working pressure : 230 psi ( CWP )  
Temperature : -20 ~ 180 C

### Options :

1. Gasket/ stem packing to be Graphite
2. Gear box for 8" and above
3. Flange face smooth finished



### MATERIALS LIST

| NO. | NAME PARTS     | MATERIALS                          |
|-----|----------------|------------------------------------|
| 1   | BODY           | ASTM A351 Gr.CN7M                  |
| 4   | WEDGE          | ASTM A351 Gr.CN7M (FLEXIBLE WEDGE) |
| 5   | STEM           | ALLOY 20                           |
| 9   | BONNET         | ASTM A351 Gr.CN7M                  |
| 11  | GASKET         | PTFE.                              |
| 14  | PACKING        | PTFE.                              |
| 15  | GLAND          | ALLOY 20                           |
| 16  | EYE BOLT NUT   | ASTM A194 Gr.8 (HEAVY)             |
| 18  | SLEEVE         | ASTM A394 Gr.D2C (1-1/2" ~ 12")    |
| 19  | HANDWHEEL      | ASTM A536 DUCTILE IRON             |
| 20  | SET SCREW      | ASTM A193 Gr.B8                    |
| 22  | STEM NUT       | ASTM A351 Gr.CF8                   |
| 23  | WASHER         | ASTM A276 Gr.304 (1" UNDER)        |
| 24  | HANDWHEEL NUT  | ASTM A351 Gr.CF8                   |
| 25  | NAME PLATE     | ASTM A666-304                      |
| 35  | BONNET STUD    | ASTM A193 Gr.B8 CLASS 2            |
| 37  | BONNET NUT     | ASTM A194 Gr.8 (HEAVY)             |
| 40  | EYE BOLT       | ASTM A193 Gr.B8                    |
| 47  | GLAND FLANGE   | ASTM A351 Gr.CF8                   |
| 48  | EYE BOLT PIN   | ASTM A276 Gr.304                   |
| 53  | GREASE FITTING | ANSI 304 (1-1/2" ABOVE)            |

### DIMENSIONS

| SIZE  | PORT   | L     | øE    | H     | H(OPEN) | øG     | øJ    | øI    | T     | F    | M   | øN |      |
|-------|--------|-------|-------|-------|---------|--------|-------|-------|-------|------|-----|----|------|
| DN15  | 1/2"   | 15.0  | 108.0 | 100.1 | 178.1   | 196.1  | 88.9  | 60.5  | 35.1  | 9.7  | 1.6 | 4  | 15.9 |
| DN20  | 3/4"   | 19.1  | 117.3 | 100.1 | 199.9   | 220.0  | 98.6  | 69.9  | 42.9  | 10.4 | 1.6 | 4  | 15.9 |
| DN25  | 1"     | 25.4  | 127.0 | 150.1 | 231.9   | 260.1  | 108.0 | 79.2  | 50.8  | 11.2 | 1.6 | 4  | 15.9 |
| DN40  | 1-1/2" | 38.1  | 165.1 | 180.1 | 262.9   | 308.1  | 127.0 | 98.6  | 73.2  | 14.2 | 1.6 | 4  | 15.9 |
| DN50  | 2"     | 50.8  | 177.8 | 180.1 | 278.9   | 337.1  | 152.4 | 120.7 | 91.9  | 15.7 | 1.6 | 8  | 19.1 |
| DN65  | 2-1/2" | 63.5  | 190.5 | 199.9 | 328.9   | 403.1  | 177.8 | 139.7 | 104.6 | 17.5 | 1.6 | 8  | 19.1 |
| DN80  | 3"     | 79.0  | 203.2 | 199.9 | 366.0   | 452.9  | 190.5 | 152.4 | 127.0 | 19.1 | 1.6 | 8  | 19.1 |
| DN100 | 4"     | 101.6 | 228.6 | 300.0 | 430.0   | 544.1  | 228.6 | 190.5 | 157.2 | 23.9 | 1.6 | 8  | 19.1 |
| DN125 | 5"     | 127.0 | 254.0 | 300.0 | 507.0   | 650.0  | 254.0 | 215.9 | 185.7 | 23.9 | 1.6 | 8  | 22.2 |
| DN150 | 6"     | 152.4 | 266.7 | 300.0 | 572.0   | 739.9  | 279.4 | 241.3 | 215.9 | 25.4 | 1.6 | 12 | 22.2 |
| DN200 | 8"     | 203.2 | 292.1 | 350.0 | 724.9   | 944.1  | 342.9 | 298.5 | 269.7 | 28.4 | 1.6 | 12 | 22.2 |
| DN250 | 10"    | 254.0 | 330.2 | 400.1 | 873.0   | 1145.0 | 406.4 | 362.0 | 323.9 | 30.2 | 1.6 | 12 | 25.4 |
| DN300 | 12"    | 304.8 | 355.6 | 450.1 | 1008.9  | 1332.0 | 482.6 | 431.8 | 381.0 | 31.8 | 1.6 | 12 | 25.4 |