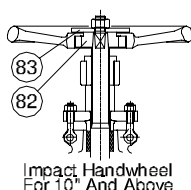


**Fig no. GBF-150**

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



### Features:

Flexible wedge,  
OS & Yoke design, Body Bolted type  
Rising stem and handwheel  
Yoke integral with bonnet, integral seat and back seat  
For General Chemical and Industrial application

### Standard Compliance :

Design : API 603/ ANSI B16.34  
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 :

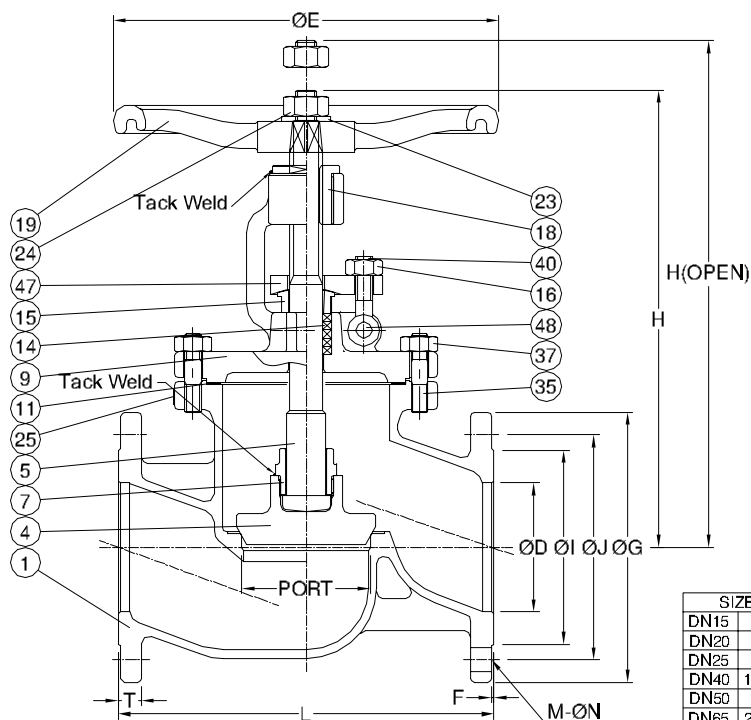
End connection : Flange end  
Working pressure : 230 psi ( CWP)  
Temperature : -20 ~ 180 C

### 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   | DISC          | ASTM A351 Gr.CN7M (4" ABOVE)<br>ALLOY 20 (3" UNDER) |
| 5   | STEM          | ALLOY 20                                            |
| 7   | DISC NUT      | ASTM A351 Gr.CN7M (4" ABOVE)<br>ALLOY 20 (3" UNDER) |
| 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  | YOKE SLEEVE   | ASTM A439 Gr.D2C                                    |
| 19  | HANDWHEEL     | ASTM A536 DUCTILE IRON                              |
| 23  | SPRING WASHER | ANSI 304                                            |
| 24  | HANDWHEEL NUT | ASTM A194 Gr.8                                      |
| 25  | NAME PLATE    | ASTM A866-304                                       |
| 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 A276-304                                       |
| 82  | IMPACT BLOCK  | ASTM A216-WCB (10" And Above)                       |
| 83  | IMPACT WASHER | ASTM A240-304 (10" And Above)                       |



### DIMENSIONS

| DIMENSIONS |        |       |       |       |         |       |       |       |       |      |     |    | unit:mm |       |
|------------|--------|-------|-------|-------|---------|-------|-------|-------|-------|------|-----|----|---------|-------|
| SIZE       | PORT   | L     | ØE    | H     | H(Open) | ØG    | ØJ    | ØI    | T     | F    | M   | ØN | ØD      |       |
| DN15       | 1/2"   | 15.0  | 108.0 | 100.0 | 158.0   | 170.5 | 89.0  | 60.5  | 35.0  | 9.7  | 1.6 | 4  | 15.7    | 15.0  |
| DN20       | 3/4"   | 19.0  | 117.0 | 100.0 | 158.0   | 174.0 | 98.5  | 69.9  | 42.9  | 10.4 | 1.6 | 4  | 15.7    | 19.1  |
| DN25       | 1"     | 24.0  | 127.0 | 100.0 | 165.0   | 183.5 | 108.0 | 79.4  | 50.8  | 11.2 | 1.6 | 4  | 15.7    | 25.4  |
| DN40       | 1-1/2" | 38.0  | 165.0 | 180.0 | 210.0   | 231.0 | 127.0 | 98.4  | 73.0  | 14.2 | 1.6 | 4  | 15.7    | 38.1  |
| DN50       | 2"     | 49.0  | 203.0 | 180.0 | 225.0   | 246.0 | 152.5 | 120.7 | 92.0  | 15.7 | 1.6 | 4  | 19.1    | 50.8  |
| DN65       | 2-1/2" | 63.5  | 216.0 | 200.0 | 297.0   | 331.0 | 178.0 | 139.7 | 104.8 | 17.5 | 1.6 | 4  | 19.1    | 63.5  |
| DN80       | 3"     | 76.0  | 241.0 | 250.0 | 344.0   | 379.0 | 190.5 | 152.4 | 127.0 | 19.1 | 1.6 | 4  | 19.1    | 79.0  |
| DN100      | 4"     | 100.0 | 292.0 | 300.0 | 376.0   | 416.0 | 229.0 | 190.5 | 157.2 | 23.9 | 1.6 | 8  | 19.1    | 101.6 |
| DN125      | 5"     | 127.0 | 356.0 | 400.0 | 412.5   | 455.5 | 254.0 | 215.9 | 185.7 | 23.9 | 1.6 | 8  | 22.4    | 127.0 |
| DN150      | 6"     | 152.5 | 406.0 | 400.0 | 443.0   | 491.0 | 279.5 | 241.3 | 215.9 | 25.4 | 1.6 | 8  | 22.4    | 152.5 |
| DN200      | 8"     | 203.0 | 495.0 | 450.0 | 565.0   | 634.0 | 343.0 | 298.5 | 269.9 | 28.4 | 1.6 | 8  | 22.4    | 203.0 |
| DN250      | 10"    | 254.0 | 622.0 | 450.0 | 580.0   | 662.0 | 406.5 | 362.0 | 323.8 | 30.2 | 1.6 | 12 | 25.4    | 254.0 |
| DN300      | 12"    | 305.0 | 698.0 | 560.0 | 600.0   | 750.0 | 482.5 | 431.8 | 381.0 | 31.8 | 1.6 | 8  | 25.4    | 305.0 |