

**Fig no. GBF-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 :**

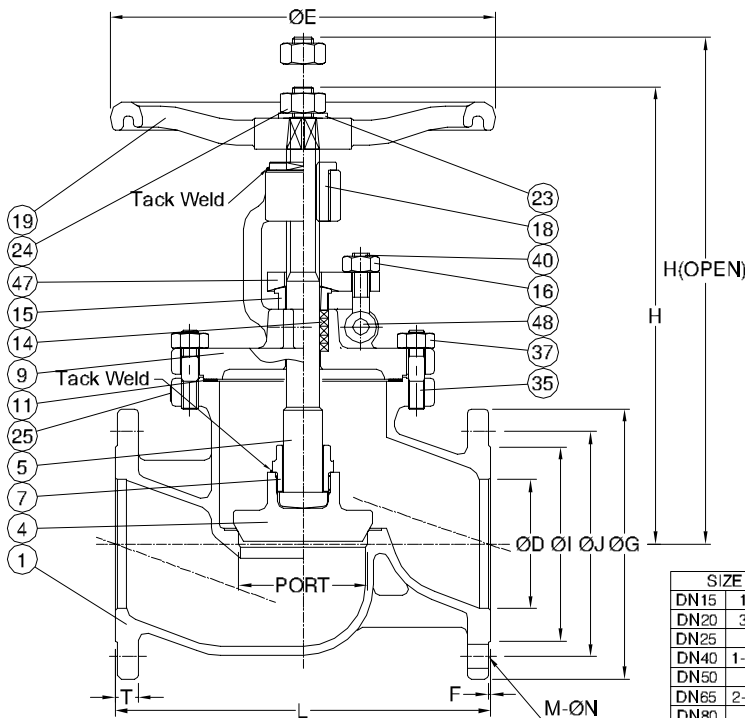
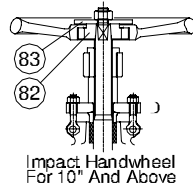
- Design : API 603/ ANSI B16.34
- Body wall thickness : ANSI B16.34
- Face to face : ANSI B16.10 class 150
- Flange dimension : ANSI B16.5 class 150 RF
- Body material : A494 CW-12MW
- Pressure testing : EN 12266-1/ API 598

**Specification :**

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

**Options :**

- Gasket/ stem packing to be Graphite
- Gear box for 8" and above
- Flange face smooth finished



**MATERIALS LIST**

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A494 Gr.CW12MW
4	DISC	ASTM A494 Gr.CW12MW (4" ABOVE) AMS 5750C (3" UNDER)
5	STEM	AMS 5750C
7	DISC NUT	ASTM A494 Gr.CW12MW (4" ABOVE) AMS 5750C (3" UNDER)
9	BONNET	ASTM A494 Gr.CW12MW
11	GASKET	PTFE.
14	PACKING	PTFE.
15	GLAND	AMS 5750C
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 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 A276-304
82	IMPACT BLOCK	ASTM A216-WCB (10" And Above)
83	IMPACT WASHER	ASTM A240-304 (10" And Above)

**DIMENSIONS**

SIZE	PORT	L	ØE	H	H <sub>(open)</sub>	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