

**Fig no. GBF-300**  
1/2" - 4" (DN15- DN300)



**Features:**

- Flexible wedge,
- OS & Yoke design, Body Bolted type
- Rising stem and 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 300
- Flange dimension : ANSI B16.5 class 300 RF
- Body material : A494 M35-1
- Pressure testing : EN 12266-1/ API 598

**Specification :**

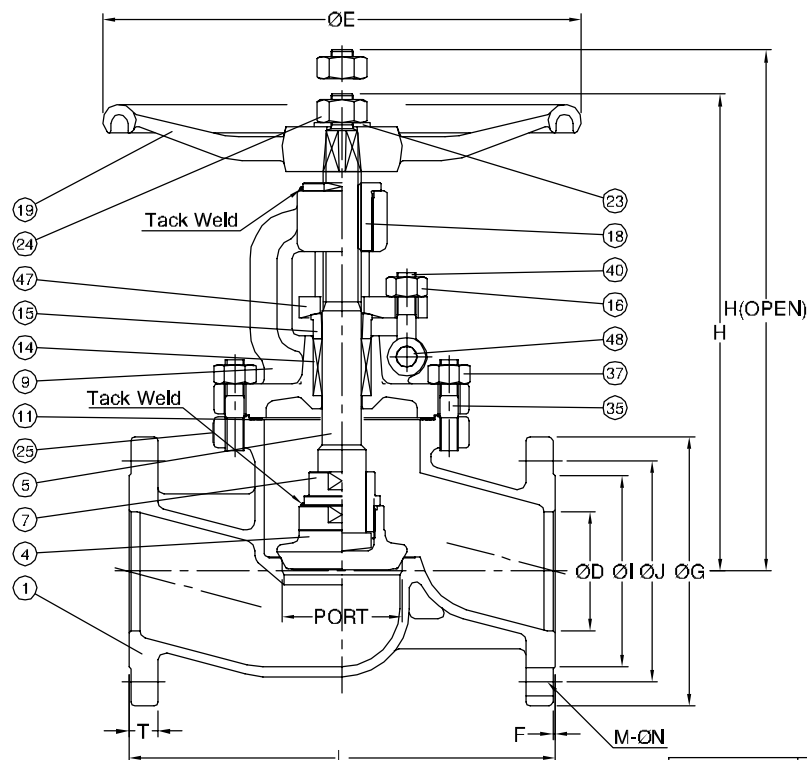
- End connection : Flange end
- Working pressure : 750 psi ( CWP )
- Temperature : -20 ~ 180 C

**Options :**

- Gasket/ stem packing to be Graphite
- Flange surface smooth finished

**MATERIALS LIST**

NO.	NAME PARTS	MATERIALS
1	BODY	ASTM A494 Gr.M35-1
4	DISC	ASTM A494 Gr.M35-1 (3" ABOVE) ASTM B164 UNS NO.4400 (2-1/2" UNDER)
5	STEM	ASTM B164 UNS NO.4400
7	DISC NUT	ASTM A494 Gr.M35-1 (4" ABOVE) ASTM B164 UNS NO.4400 (3" UNDER)
9	BONNET	ASTM A494 Gr.M35-1
11	GASKET	S,S SPIRAL WOUND+PTFE,
14	PACKING	PTFE,
15	GLAND	ASTM B164 UNS NO.4400
16	EYE BOLT NUT	ASTM A194 Gr.8 (HEAVY)
18	YOKE SLEEVE	ASTM A439 Gr.D2C
19	HANDWHEEL	ASTM A538 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



**DIMENSIONS**

SIZE	PORT	L	ØE	H	H(OPEN)	ØG	ØJ	ØI	T	F	M	ØN	ØD	
DN15	1/2"	15.0	152.4	100.1	172.0	184.9	95.3	86.5	35.1	9.7	1.6	4	15.9	15.0
DN20	3/4"	19.1	177.8	100.1	174.0	186.9	117.3	82.6	42.9	10.4	1.6	4	19.1	19.1
DN25	1"	24.1	203.2	150.1	211.1	230.1	124.0	88.9	50.8	11.2	1.6	4	19.1	25.4
DN40	1-1/2"	38.1	228.6	199.9	255.0	275.1	155.4	114.3	73.2	14.2	1.6	4	22.2	38.1
DN50	2"	23.6	266.7	199.9	257.0	277.9	165.1	127.0	91.9	15.7	1.6	8	19.1	50.8
DN65	2-1/2"	63.5	292.1	249.9	294.9	316.0	190.5	149.4	104.6	17.5	1.6	8	22.2	63.5
DN80	3"	76.2	317.5	300.0	315.0	360.9	209.6	168.1	127.0	19.1	1.6	8	22.2	79.0
DN100	4"	100.1	355.6	400.1	403.1	435.1	254.0	200.2	157.2	23.9	1.6	8	22.2	101.8