

**Fig No:GTF-600 2"~24"**  
**DN50~DN600**

**Features:**

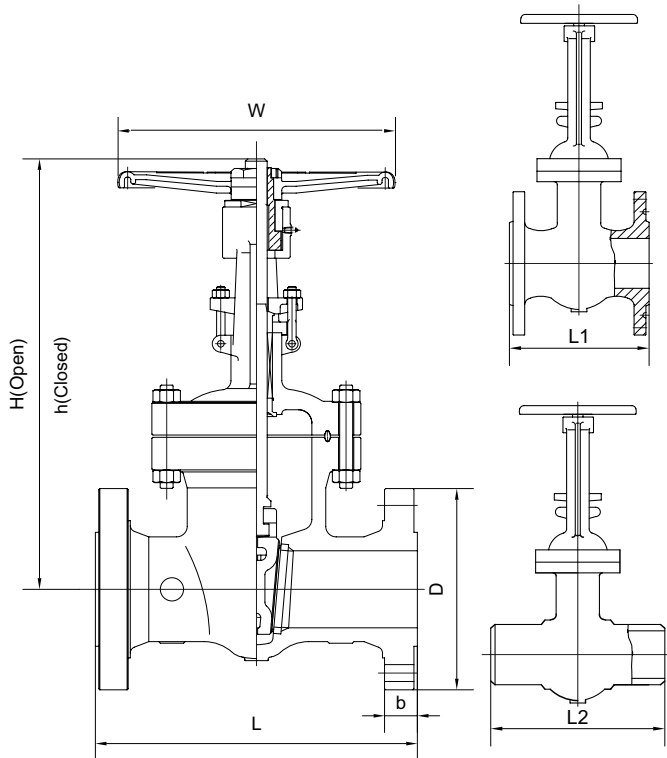
- Flexible wedge
- Seal welded seats
- Outside Screw and Yoke, Rising stem design, Non-rising hand wheel
- Seat face stellite, ground and lapped to a mirror finish
- Universal Trim-13 Cr stem, wedge 13 Cr face and stellite seat API Trim 8 suitable for applications up to 850°F (454°C)
- Body and Bonnet joint accurately machined, Full enclosed gasket

**Sample Castings:**

- Before castings are released for production, the Modentic NDE inspector level evaluates and approves the submitted x-ray films (100% coverage) as per ASME B16.34 acceptance standard
- Improves the internal integrity of castings (RT level 2 or better) at pattern approval

**Standard compliance:**

- Valve design according to API 600
- Shell wall Thickness according to API 600
- Pressure-temperature rating according to ASME/ANSI B16.34
- Material according to ASTM
- Face to Face according to ASME/ANSI B16.10 class 600 RF
- End to end according to ASME/ANSI B16.10 class 600 BW
- Flanged dimension according to ASME/ANSI B16.5 class 600 RF, Finish 125-250 AARH
- Butt weld dimension according to ASME/ANSI B16.25
- Pressure testing according to API 598



**DIMENSIONS**

unit:mm

NOM SIZE	L/L2	L1	D	b	H	W
	RF/BW	RTJ			Open	
2"	292.0	295.0	165.1	25.4	458.0	250.0
2-1/2"	320.0	333.0	190.5	28.6	508.0	250.0
3"	356.0	359.0	209.5	31.7	570.0	250.0
4"	432.0	435.0	273.0	38.0	657.0	350.0
6"	559.0	582.0	356.0	48.0	872.0	500.0
8"	660.0	664.0	419.0	56.0	1101.0	560.0
10"	787.0	791.0	508.0	64.0	1279.0	*
12"	838.0	841.0	558.8	66.7	1466.0	*
14"	889.0	892.0	603.2	69.8	1623.0	*
16"	991.0	994.0	685.8	76.2	1816.0	*
18"	1092.0	1095.0	742.9	82.5	2260.0	*
20"	1194.0	1200.0	812.8	88.9	1705.0	*
24"	1397.0	1407.0	939.8	102.0	2810.0	*

\*Gear Operated

**MATERIAL LIST**

PART NAME	ASTM Specifications (Specs.-Grades/Types)			
Handwheel NUT	Carbon Steel			
Handwheel	Malleable Iron			
Stem Nut	ASTM A439 GR.D2			
Stem	13CR,316 OR 304,17-4HP,Monel			
Gland Flange	A216-WCB	A352-LCC	A217-WC6	A217-C5
Gland	13Cr.316 OR 304			
Stem Packing	Braided Graphite & Die Formed Graphite Ring			
Backseat Bushing	13Cr.316 OR 304			
Bonnet	A216-WCB	A352-LCC	A217-WC6	A217-C5
Bonnet Gasket	Ring Joint-Soft Iron			
Bonnet Bolts and Nuts	A193-B7/A194-2H	A320-L7M/A194-7M	A193-B16/A194-7	A193-B16/A194-7
Gate	A216-WCB	A352-LCC	A217-WC6	A217-C5
Seat Ring	A105,LF2,316 OR 304			
Body	A216-WCB	A352-LCC	A217-WC6	A217-C5
Gland Eye Bolts and Nuts	A193-B7/A194-2H	A320-L7M/A194-7M	A193-B7/A194-2H	
Pin	Carbon Steel			
Grease Nipple	Carbon Steel			
Retaining Nut	Carbon Steel			

Other Materials Also Available On Requested