

Fig No:GTF-150 2"~48"
DN50~DN1200

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 API600, BS1414
- Shell Wall Thickness: 2"-24": API600
26"-42": BS1414
48": Manufacture's standard
- Pressure-temperature rating according to ASME/ANSI B16.34
- Material according to ASTM
- Face to Face according to ASME/ANSI B16.10
- End Flanges: 2"-24": ASME/ANSI B16.5
26"-48": MSS SP44
- Welding Ends: ASME/ANSI B16.25
- Pressure testing according to API598

DIMENSIONS

unit:mm

NOM SIZE	L	L1	L2	D	b	H	W
	RF	RTJ	BW			Open	
2"	178.0	191.0	216.0	152.4	16.0	409.0	200.0
2-1/2"	190.0	230.0	241.0	177.8	18.0	442.0	200.0
3"	203.0	216.0	283.0	190.5	19.0	508.0	250.0
4"	229.0	241.0	305.0	228.6	24.0	590.0	250.0
5"	254.0	267.0	381.0	254.0	24.0	710.0	250.0
6"	267.0	279.0	403.0	279.4	25.0	630.0	300.0
8"	292.0	305.0	419.0	342.9	28.0	960.0	350.0
10"	330.0	343.0	457.0	406.4	30.0	1158.0	400.0
12"	356.0	368.0	502.0	482.6	32.0	1378.0	450.0
14"	381.0	394.0	572.0	533.4	35.0	1543.0	500.0
16"	406.0	419.0	610.0	596.9	37.0	1738.0	600.0
18"	432.0	445.0	660.0	635.0	40.0	1959.0	*
20"	457.0	470.0	711.0	698.5	43.0	2214.0	*
24"	508.0	521.0	813.0	812.8	48.0	2599.0	*
26"	559.0	572.0	863.0	871.2	68.0	3086.0	*
28"	610.0	622.0	914.0	927.1	71.0	3327.0	*
30"	610.0	622.0	914.0	982.9	75.0	3606.0	*
32"	660.0	673.0	965.0	1062.0	81.0	3708.0	*
36"	711.0	724.0	1016.0	1168.0	90.0	3924.0	*
42"	813.0	826.0	1143.0	1346.0	97.0	4546.0	*
48"	1066.0	1079.0	1371.0	1511.0	108.0	5181.0	*

*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	304+Graphite		
Bonnet Bolts and Nuts	A193-B7/A194-2H	A320-L7MA194-7M	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-L7MA194-7M	A193-B7/A194-2H
Pin	Carbon Steel		
Grease Nipple	Carbon Steel		
Retaining Nut	Carbon Steel		

Other Materials Also Available On Requested

