



CARBON STEEL FLANGED GATE VALVES, ANSI CLASS 150

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

Features :

- Flexible wedge
- Seal welded seats
- Round Bonnet with Integral York. (14" and larger separated yoke)
- Outside Screw and Yoke , Rising stem design , Non - rising hand wheel
- Seat face stellited, ground and lapped to a mirror finish
- Universal Trim -13 Cr stem, wedge 13 Cr face and stellited 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 III , 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 , BS 1414
- Shell Wall Thickness:2"-24":API600

26"-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":ANSI B16.5

26"-48":MSS-SP44

API605 on request

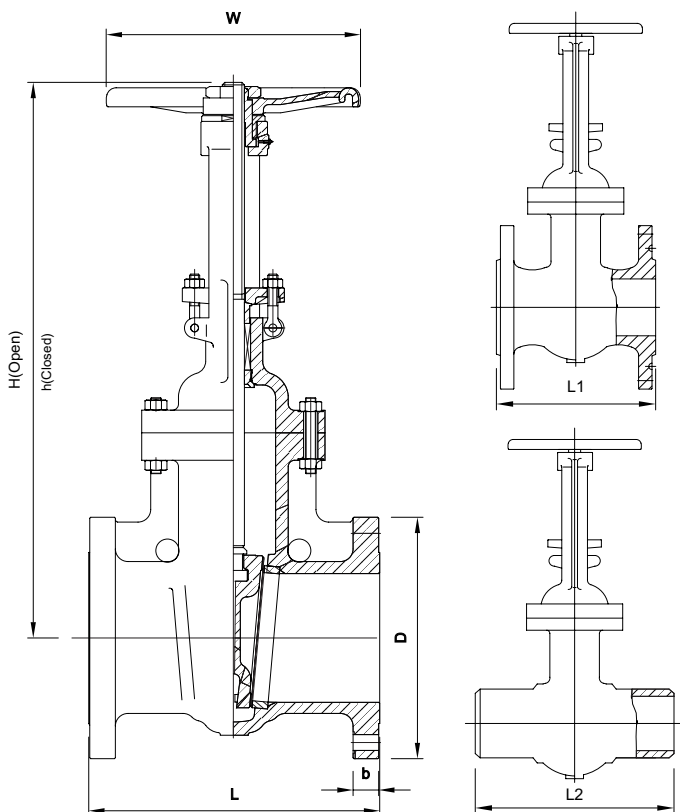
Welding Ends:ANSI B16.25

Pressure testing according to API 598

DIMENSIONS AND WEIGHTS

*Gear Operated

NOM SIZE	L		L1		L2		D		b		H		W	Wt
	RF		RTJ		BW						Open			
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	MM	Kgs
2"	7.00	178	7.52	191	8.50	216	6.00	152.4	0.62	16	16.10	409	200	18
2-1/2"	7.50	190	8.00	203	9.50	241	7.00	177.8	0.69	18	17.40	442	200	28
3"	8.00	203	8.50	216	11.1	283	7.50	190.5	0.75	19	20.00	508	250	34
4"	9.00	229	9.50	241	12.0	305	9.00	228.6	0.94	24	23.20	590	250	52
5"	10.0	254	10.5	267	15.0	381	10.0	254.0	0.94	24	27.90	710	250	71
6"	10.5	267	11.0	279	15.8	403	11.0	279.4	1.00	25	24.80	630	300	88
8"	11.5	292	12.0	305	16.5	419	13.5	342.9	1.12	28	37.80	960	350	144
10"	13.0	330	13.5	343	18.0	457	16.0	406.4	1.19	30	45.60	1158	400	197
12"	14.0	356	14.5	368	19.8	502	19.0	482.6	1.25	32	54.30	1378	450	298
14"	15.0	381	15.5	394	22.5	572	21.0	533.4	1.38	35	60.75	1543	500	406
16"	16.0	406	16.5	419	24.0	610	23.5	596.9	1.44	37	68.40	1738	600	524
18"	17.0	432	17.5	445	26.0	660	25.0	635.0	1.56	40	77.10	1959	600	720
20"	18.0	457	18.5	470	28.0	711	27.5	698.5	1.69	43	87.20	2214	680	1117
24"	20.0	508	20.5	521	32.0	813	32.0	812.8	1.88	48	102.3	2599	760	1466
26"	22.0	559	22.5	572	34.0	863	34.3	871.2	2.69	68	121.5	3086	*	1699
28"	24.0	610	24.5	622	36.0	914	36.5	927.1	2.81	71	131.0	3327	*	1931
30"	24.0	610	24.5	622	36.0	914	38.7	982.9	2.94	75	142.0	3606	*	2380
32"	26.0	660	26.5	673	38.0	965	41.8	1062	3.18	81	146.0	3708	*	2490
36"	28.0	711	28.5	724	40.0	1016	46.0	1168	3.56	90	154.5	3924	*	3600
42"	32.0	813	32.5	826	45.0	1143	53.0	1346	3.81	97	179.0	4546	*	4710
48"	42.0	1066	42.5	1079	54.0	1371	59.5	1511	4.25	108	204.0	5181	*	6500



MATERIALS LIST

Part Name	ASTM Specifications(Specs.-Grades/Types)			
Handwheel Nut	Carbon Steel			
Handwheel	Malleable Iron			
Stem Nut	ASTM A439 GR.D2C			
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,PTFE			
Backseat Bushing	13Cr.316 OR 304			
Bonnet	A216-WCB	A352-LCC	A217-WC6	A217-C5
Bonnet Gasket	Soft Iron,Spiral Wound			
Bonnet Bolts and Nuts	A193-B7/ A194-2H	A320-L7/ A194-4	A193-B7/ A194-2H	A193-B16/ A194-4
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-L7/ A194-7M	A193-B7/ A194-2H	
Pin	Carbon Steel			
Grease Nipple	Carbon Steel			
Retaining Nut	Carbon Steel			