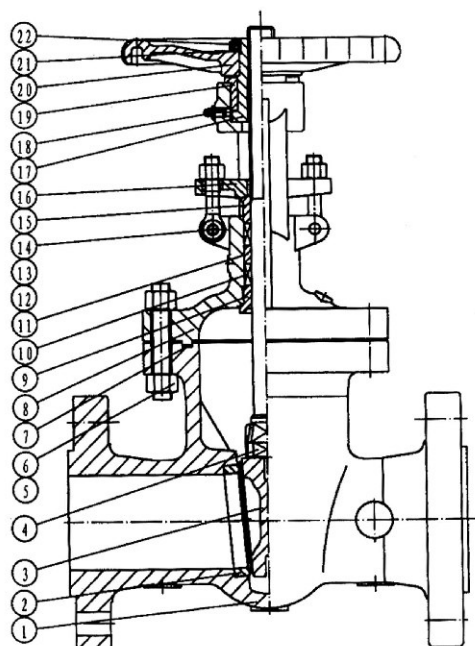


GATE VALVES



TRIM MATERIAL TO API 600

Seating code	Seat Ring Surface Part No.2	Wedge Seat Surface Part No.3	Stem Part No.4	Backseat Bushing Part No.9
1	13Cr	13Cr	F6	F6
2	304	304	F304	F304
5	Stellite	Stellite	F6	F6
8	Stellite	13Cr	F6	F6
9	Monel	Monel	Monel	Monel
10	316	316	F316	F316
13	Alloy 20	Alloy 20	Alloy 20	Alloy 20

STANDARD MATERIAL SPECIFICATIONS

No.	Part Name	Carbon steel to ASTM		Alloy Steel to ASTM			Stainless Steel to ASTM			
		WCB	LCB	WC6	WC9	C5	CF8	CF8M	CF3	CF3M
1	Body	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	Seat Ring	A105	A350 LF2	A182 F11	A182 F22	A182 F5	A182 F304	A182 F316	A182 F304L	A182 F316L
3	Wedge	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	Stem	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
5	Bonnet nut	A194 2H	A194 4	A194 7			A194 8			
6	Bonnet bolt	A193 B7	A320 L7	A193 B16			A193 B8			
7	Gasket	SS Spiral Wound / graphite or SS Spiral Wound / PTFE								
8	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 WC9	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
9	Backseat Bushing	A182 F6	A182 F6	A182 F304			A182 F304	A182 F316	A182 F304L	A182 F316L
10	Stem Packing	Graphite or PTFE								
11	Lantern	A182 F6	A182 F6	A182 F304	A182 F304	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
12	Gland Nut	A194 2H					A194 8			
13	Gland Eyebolt	A194 B7					A193 B8			
14	Pin	Carbon steel or Stainless Steel								
15	Gland	A182 F6					A182 F304	A182 F316	A182 F304L	A182 F316L
16	Gland Flange	A216 WCB					A351 CF8			
17	Stem Nut	A439 D2 or B148-952A								
18	Nipple	Carbon steel or Stainless Steel								
19	Retaining Nut	Carbon steel								
20	Handwheel	Ductile Iron or carbon steel								
21	Name Plate	Stainless steel or Aluminum								
22	H.W.Lock NUT	Carbon steel								

Other materials (Alloy 20, AISI 321, AISI 347, Monel, Hastelloy, etc) are available on request.
Class 150 Gate valve is not provided with Lantern.

CLASS 150 GATE VALVE

OS&Y, Rising Stem, Flexible Solid Wedge
Bolted Bonnet, Threaded or Welded Seat Ring

STANDARDS COMPLIANCE:

Basic Design: API600, BS1414

Face to Face Dimension: ANSI B16.10

End to End Dimension: ANSI B16.10

End Flange Dimension:

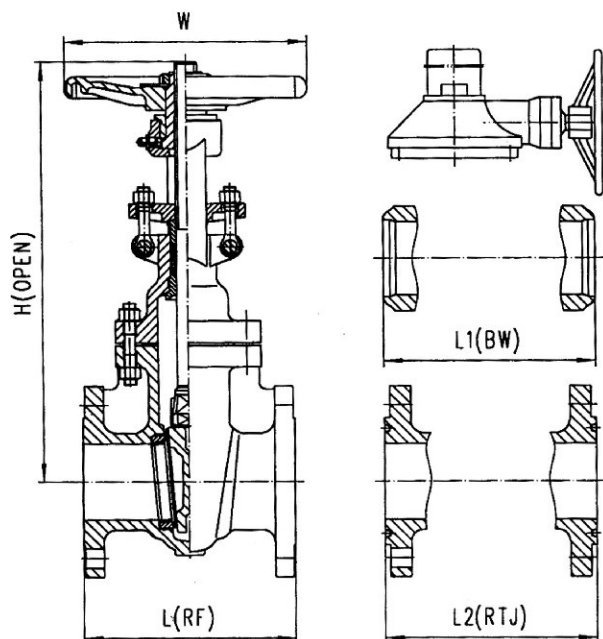
2" - 24" to ANSI B16.5

26" - 36" to MSS SP-44

to API 605 on request

B.W. Ends to ANSI B16.25

Manufacturing to NACE MR-01-75 on request



TEST PRESSURE TO API 598

BODY Material	SHELL TEST (Hydrostatic)	SEAT TEST (Hydrostatic)	SEAT TEST (air)
WCB	450 psig	315 psig	80 psig
WC6	450 psig	319 psig	80 psig
CF8M	425 psig	303 psig	80 psig

DIMENSIONS

NPS	IN	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	30	32	36
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900
L	IN	7	7 1/2	8	9	10	10 1/2	11 1/2	13	14	15	16	17	18	20	24	24	26	28
(RF)	mm	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610	610	660	711
L1	IN	8 1/2	9 1/2	11 1/8	12	15	15 7/8	16 1/2	18	19 3/4	22 1/2	24	26	28	32	36	36	38	40
(BW)	mm	216	241	283	305	381	403	419	457	502	572	610	660	711	813	914	914	965	1016
L2	IN	7 1/2	8	8 1/2	9 1/2	10 1/2	11	12	13 1/2	14 1/2	15 1/2	16 1/2	17 1/2	18 1/2	20 1/2	24 1/2	24 1/2	26 1/2	28 1/2
(RTJ)	mm	191	203	216	241	267	279	305	343	368	394	419	445	470	521	622	622	673	724
H	IN	16 1/8	18 9/16	20 15/16	24 1/8	27 15/16	31 3/4	39	46 11/16	55 5/16	63 9/16	71 5/16	78 3/16	87	106 1/4	119 5/16	130 9/16	137 1/4	150 9/16
(OPEN)	mm	409	472	532	612	710	806	990	1186	1405	1615	1811	1986	2210	2698	3030	3317	3487	3825
W	IN	7 7/8	7 7/8	9 7/8	9 7/8	11 13/16	11 13/16	13 3/4	17 11/16	19 11/16	18 1/8	18 1/8	18 1/8	24	24	24	24	24	30
	mm	200	200	250	250	300	300	350	450	500	460	460	460	610	610	610	610	610	760
WT	RF	20	30	36	53	71	85	136	220	323	387	553	660	810	1250	1931	2380	2490	3600
(KG)	BW	17	26	29	46	66	77	116	202	294	350	506	575	720	1130	1765	2028	2280	3080

Manual gear operator is recommended