

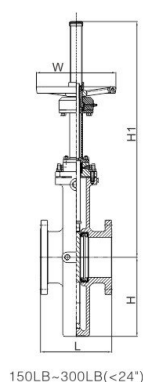


■ ANSI FLAT GATE VALVE

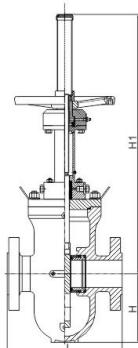
Material List

No.	Parts	Standard material	Acidic environment	Low temperature environment
1	Body	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 LCB
2	Seat	ASTM A105N+ENP	ASTM A105N+ENP	ASTM A352 LF2+ENP
3	Ram	ASTM A105N+ENP	ASTM A105N+ENP	ASTM A352 LF2+ENP
4	Stem	ASTM A182 F6a	ASTM A182 F6a(NACE)	ASTM A182 F6a
5	Gasket	SS304+ Graphite wrap pad /RTJ ring	SS304+ Graphite wrap pad /RTJ ring	SS304+ Graphite wrap pad /RTJ ring
6	Screw bolt	ASTM A193 B7	ASTM A193 B7	ASTM A320 L7
7	Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 7
8	Toggle	ASTM A276 410	ASTM A276 410(NACE)	ASTM A276 316
9	Packing	Graphite	Graphite	Graphite
10	Screw bolt	ASTM A193 B7	ASTM A193 B7	ASTM A320 L7
11	Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 7
12	Support	Carbon steel	Carbon steel	Carbon steel
13	Bolt	ASTM A193 B7	ASTM A193 B7	ASTM A320 L7
14	Bearing	Carbon steel	Carbon steel	Carbon steel
15	Stem nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
16	Bearing housing	Carbon steel	Carbon steel	Carbon steel
17	Gear wheel	Ductile iron	Ductile iron	Ductile iron
18	Nut	Carbon steel	Carbon steel	Carbon steel
19	Dust cover body	Polycarbonate	Polycarbonate	Polycarbonate
20	Dust cap	RPTFE	RPTFE	RPTFE
21	Spring	17-7PH/Inconel X-750	17-7PH/Inconel X-750	17-7PH/Inconel X-750
22	O-ring	VITON A	VITON A	HNBR
23	O-ring	VITON A	VITON A	HNBR
24	Oil cup	Carbon steel	Carbon steel	Carbon steel
25	Grease injection valve	Stainless steel	Stainless steel	Stainless steel
26	Bolt	Stainless steel	Stainless steel	Stainless steel
27	Blow-down valve	Stainless steel	Stainless steel	Stainless steel
28	Bolt	Stainless steel	Stainless steel	Stainless steel
29	Dogtag	SS304	SS304	SS304
30	Rivet	SS304	SS304	SS304
31	Bonnet	ASTM A105N	ASTM A105N	ASTM A350 LF2

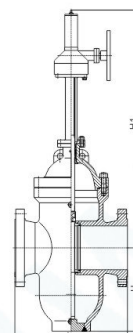
ANSI FLAT GATE VALVE



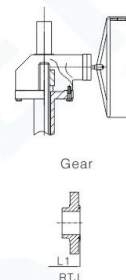
150LB-300LB(<24")



600LB(<24")



150LB-600LB(≥24")



Gear

RTJ

Main Dimensions

Class150LB

Size	in	2	3	4	6	8	10	12	14	16	18	20	24	30	36	40	42	48
DN	mm	50	80	100	150	200	250	300	350	400	450	500	600	750	900	1000	1050	1200
L(RF)	in	7.00	8.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	25.59	31.50	36.00	38.00	44.00
	mm	178	203	229	267	292	330	356	381	406	432	457	508	650	800	914	965	1118
H	in	5.70	7.25	8.50	11.50	15.25	18.13	22.00	25.25	26.70	31.375	33.68	40.00	50.38	58.18	66.90	71.10	80.66
	mm	144.8	184	216	292	387	461	559	641	678	797	856	1016	1280	1478	1699	1806	2049
H1	in	19.04	23.28	25.4	32.30	41.48	49.84	57.6	60.81*	70.39*	76.21*	84.49*	100.3*	121.13*	140.99*	181.59	194.46	214.31
	mm	484	591	645	820	1054	1266	1463	1545*	1788*	1936*	2146*	2548*	3077*	3581*	4612	4939	5443
W	in	10.00	10.00	10.00	18.00	18.00	24.00	24.00	18.11*	18.11*	18.11*	18.11*	21.26*	24.00*	31.89*	31.89*	31.89*	31.89*
	mm	254	254	254	457	457	610	610	460*	460*	460*	460*	540*	610*	810*	810*	810*	810*
Weight	kg	38	51	57	102	166	234	307	424	622	836	1120	1417	2335	2940	3412	3865	5386

Main Dimensions

Class300LB

Size	in	2	3	4	6	8	10	12	14	16	18	20	24	30	32	34	36	40	42	48
DN	mm	50	80	100	150	200	250	300	350	400	450	500	600	750	800	850	900	1000	1050	1200
L(RF)	in	8.50	11.13	12.00	15.88	16.50	18.00	19.75	30.00	33.00	36.00	39.00	45.00	55.00	60	64.02	67.99	75.98	67.99	67.99
	mm	216	283	305	403	419	457	502	762	838	914	991	1143	1397	1524	1626	1727	1930	2007	2286
H	in	5.7	7.17	8.63	11.73	15.13	18.25	22.00	23.79	27.50	30.50	34.40	40.75	50.00	53.12	55.66	57.31	63.1	67.79	77.31
	mm	144.8	182	219	298	384	464	559	604	699	775	874	1035	1270	1349	1414	1456	1603	1722	1964
H1	in	19.04	23.28	25.4	32.13	40.52	49.04	56.73	60.82*	67.92*	76.49*	83.26*	99.58*	122.44*	129.14	138.59	145.87	154.29	167.69	187.01
	mm	484	591	645	816	1029	1246	1441	1545*	1725*	1943*	2114*	2529*	3110*	3280	3520	3705	3919	4259	4750
W	in	10.00	10.00	10.00	18.00	18.00	24.00	24.00	18.11*	18.11*	21.26*	21.26*	24.00*	31.89*	31.89*	31.89*	31.89*	31.89*	31.89*	31.89*
	mm	254	254	254	457	457	610	610	460*	460*	540*	540*	610*	810*	810*	810*	810*	810*	810*	810*
Weight	kg	41	73	82	113	219	307	559	785	1026	1444	1735	2762	4618	5126	5476	5880	6824	7730	10772

Main Dimensions

Class600LB

Size	in	2	3	4	6	8	10	12	14	16	18	20	24	26	30	36	40	42	48
DN	mm	50	80	100	150	200	250	300	350	400	450	500	600	650	750	900	1000	1050	1200
L(RF)	in	11.50	14.00	17	22.00	26.00	31.00	33.00	35.00	39.00	43.00	47.00	55.00	57.00	65.00	82.00	94.02	95.98	110
	mm	292	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1651	2083	2388	2438	2794
L1(RTJ)	in	11.63	14.13	17.13	22.13	26.13	31.13	33.13	35.13	39.13	43.13	47.25	55.38	57.50	65.50	82.63	/	/	/
	mm	295	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1664	2099	/	/	/
H	in	5.51	7.28	10.13	12.75	17.13	21.25	23.50	26.75	30.29	33.13	36.76	44.50	48.63	54.00	63.50	67.32	72.05	80.74
	mm	140	185	257	324	435	540	597	679	749	842	934	1130	1235	1372	1613	1710	1830	2051
H1	in	19.39	23.76	28.33	36.52	46.44	75.14	62.82*	68.02*	74.95*	80.13*	94.20*	111.20*	117.94*	131.66*	180.76*	196.83	210.24	232.12
	mm	493	604	720	928	1180	1909	1596*	1728*	1904*	2035*	2393*	2824*	2996*	3344*	4591*	4999	5340	5896
W	in	12.00	12.00	12.00	18.00	24.00	24.00	21.26*	24.00*	24.00*	24.00*	24.00*	31.89*	31.89*	31.89*	31.89*	31.89*	31.89*	31.89*
	mm	305	305	305	457	610	610	540*	610*	610*	610*	610*	810*	810*	810*	810*	810*	810*	810*
Weight	kg	49	86	151	244	440	787	1131	1571	1930	2653	3273	5482	6243	6848	12254	15200	18600	20600

* Gear box operation