

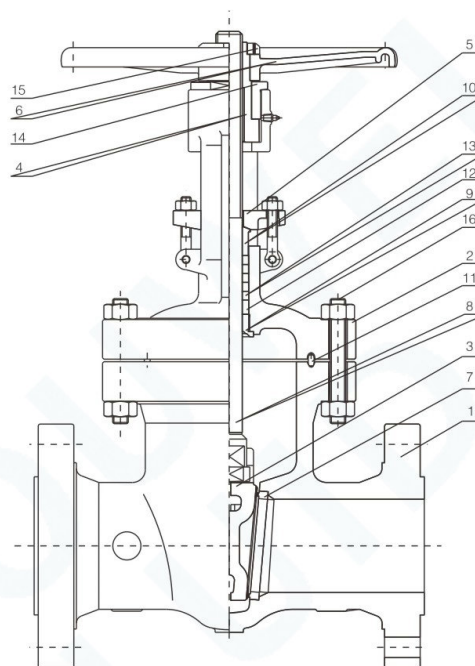
ANSI CAST STEEL GATE VALVE

Technical Parameter

Nominal Size: 2"~48"(DN50~DN1200)
Pressure rating: ASME150LB to 900LB
Body Material: WCB, CF8, CF8M, CF3, CF3M, Titanium, Monel, Hastelloy etc.
Design Standard: API 600, EN 593, ASME B16.34
Face To Face: API 609, ISO 5752, EN 558
End connection: ASME B16.5, ASME B16.47, EN 1092
Inspection and Test: API 598, EN 12266, ISO 5208, ANSI B16.104
Mark: MSS SP-25

Design Features

Low emission
Full port design
Flexible wedge, fully guided
Choice of solid or split wedge
Renewable seat rings
Forged T-head stem
Rising stem and non-rising handwheel
Flanged or butt-welding ends
Available with BG operator

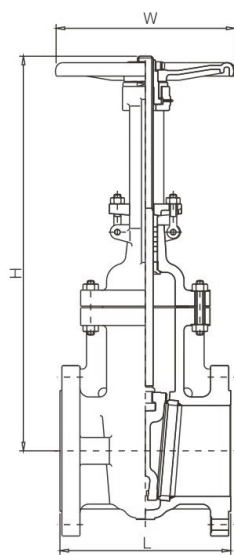


Material List

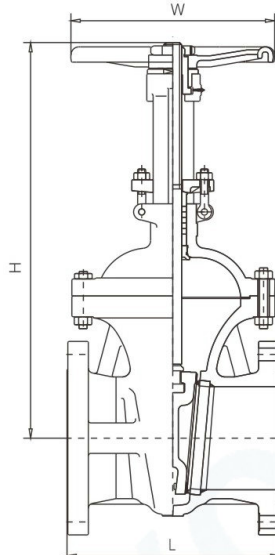
No.	Parts	Standard materials	Stainless steel	Cold environment	High temperature environment	Acidic environment
1	Body	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
2	Bonnet	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
3	Gate	ASTM A216 WCB+Cr13	ASTM A351 CF8M	ASTM A352 LCC+316	ASTM A217 WC9+STL.6	ASTM A216 WCB+Cr13
4	Stem nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
5	Platen	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
6	Handwheel	Ductile iron	Ductile iron	Ductile iron	Ductile iron	Ductile iron
7	Seat ring	ASTM A105N+STL.6	ASTM A182 F316+STL.6	ASTM A350-LF2+STL.6	ASTM A182-F22+STL.6	ASTM A105N+STL.6
8	Stem	ASTM A182 F6a	ASTM A182 F316	ASTM A182 F316	ASTM A182 F6a	ASTM A182 F6a(NACE)
9	Backseat	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
10	Gland	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
11	Gasket*	Graphite winding gasket RTJ Ring	Graphite winding gasket RTJ Ring	Graphite winding gasket RTJ Ring	Graphite winding gasket RTJ Ring	Graphite winding gasket RTJ Ring
12	Packing gasket ring	ASTM A276-410	ASTM A276-316	ASTM A276-316	ASTM A276-410	ASTM A276-410
13	Packing	Graphite	Graphite	Graphite	Graphite	Graphite
14	Locking nut	Carbon steel	Stainless steel	Carbon steel	Carbon steel	Carbon steel
15	Handwheel nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
16	Bonnet bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M



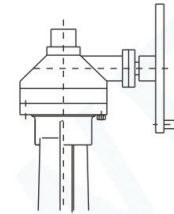
ANSI CAST STEEL GATE VALVE



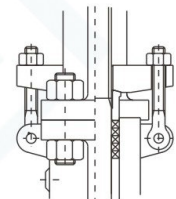
Class150



Class300



Gearbox drive



Support



Butt welding end

Main Dimensions

Class150LB

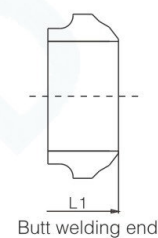
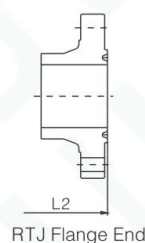
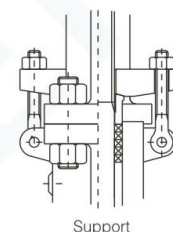
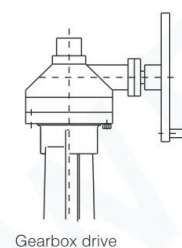
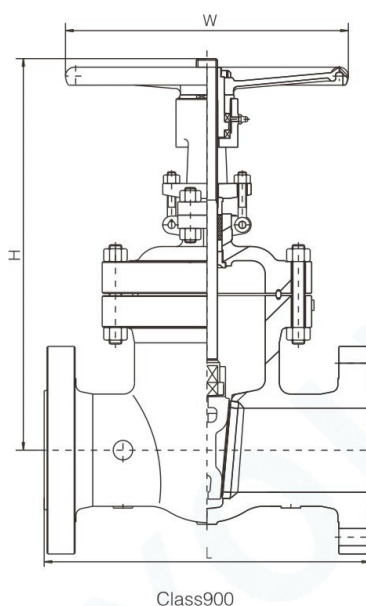
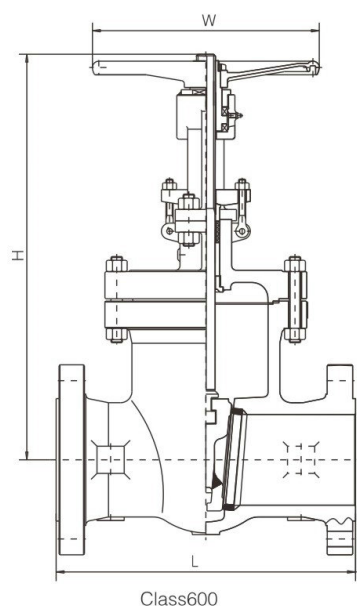
Size	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L(RF)	in	7	7.5	8	9	10	10.5	11.5	13	14	15	16	17	18	20	22	24	24	26	28	30	31	34
	mm	177.8	190.5	203.2	228.6	254	266.7	292.1	330.2	355.6	381	406.4	431.8	457.2	508	559	610	609.6	660	711.2	762	787.4	863.6
L1(BW)	in	8.5	9.5	11.12	12	15	15.88	16.5	18	19.75	22.5	24	26	28	32	34	36	36	38	40	42	43	46
	mm	215.9	241.3	282.4	304.8	381	403.4	419.1	457.2	501.7	571.5	609.6	660.4	711.2	812.8	864	914	914	965	1016	1067	1092	1168
W	in	8	8	10	10	14	14	14	16	18	20	22	25	27	30	24	24	24	24	43	32	32	32
	mm	200	200	250	250	350	350	350	400	450	500	560	640	680	720	*610	*610	*610	*610	*810	*810	*810	*810
H	in	12.8	14.5	16.5	19.2	22.2	23.9	29.6	35.0	42.0	45.8	51.7	56.7	63.5	73.7	92.9	110.4	110.4	140.7	148.0	169.7	178.2	197.2
	mm	325	368	420	487	565	608	751	890	1067	1163	1313	1441	1612	1872	2360	2805	2805	3574	3757	4311	4527	5010
WT(RF)	kg	19	26	35	49	64	81	127	204	291	400	486	610	788	1446	1570	1900	2540	2958	3380	4815	5300	7110
WT(BW)	kg	15	18	26	41	58	69	108	156	248	365	482	587	752	1405	1521	1838	2261	2490	3310	4840	5275	7050

Main Dimensions

Class300LB

Size	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	8.5	9.5	11.1	12	15	15.9	16.5	18	19.8	30	33	36	39	45	49	53	55	60	68	76	78	88
	mm	215.9	241.3	282.4	304.8	381	403.4	419.1	457.2	501.7	762	838.2	914.4	990.6	1143	1245	1346	1397	1524	1727	1930	1981	2235
W	in	8	10	10	10	14	14	16	18	20	22	25.2	26.8	29.9	29.9	24	24	32	32	32	40	40	40
	mm	200	250	250	250	350	350	400	450	500	560	640	680	760	760	*610	*610	*810	*810	*810	*1000	*1000	*1000
H	in	14.4	17.1	17.5	20.3	24.7	25.4	31.5	36.9	44.1	47.2	53.3	59.5	65.0	76.8	117.6	122.8	132.3	145.4	152.7	179	186.6	211.5
	mm	365	435	445	515	628	645	800	936	1120	1200	1355	1512	1650	1950	2986	3120	3361	3692	3879	4547	4739	5373
WT(RF)	kg	26	35	57	74	109	147	235	350	522	683	950	1145	1634	2660	3090	3312	3597	4850	6850	8460	9500	12400
WT(BW)	kg	17	26	48	65	90	113	164	344	475	565	805	1058	1412	2304	2540	2725	3057	4122	4990	6160	6800	9000

ANSI CAST STEEL GATE VALVE



Main Dimensions

Class600LB

Size	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"	40"	42"	48"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200
L-L1 (RF-BW)	in	11.5	13	14	17	20	22	26	31	33	35	39	43	47	55	57	61	65	70	82	90	96	100
	mm	292.1	330.2	355.6	431.8	508	558.8	660.4	787.4	838.2	889	990.6	1092.2	1193.8	1397	1448	1549	1651	1778	2082	2286	2438	2540
L2(RTJ)	in	11.6	13.1	14.1	17.1	20.1	22.1	26.1	31.1	33.1	35.12	39.12	43.12	47.25	55.38	57.5	61.5	65.5	70.6	82.6	/	/	/
	mm	295.3	333	358.7	435.2	511	562	663.4	790.5	841.2	892	993.6	1095.2	1200.2	1406.7	1461	1562	1664	1794	2098	/	/	/
W	in	10	10	11.8	13.8	15.7	17.7	19.7	25.2	26.8	28.3	29.9	35.0	42.9	42.9	32	40	40	40	40	42	42	42
	mm	250	250	300	350	400	450	500	640	680	720	760	890	1090	1090	*810	*1000	*1000	*1000	*1000	*1200	*1200	*1200
H	in	14.0	17.4	18.8	21.7	27.5	29.0	35.2	39.9	44.7	51.5	54.9	59.7	66.7	76.3	124	133	140	150	168	184	194	231
	mm	356	442	478	552	700	737	894	1013	1136	1309	1395	1516	1693	1938	3150	3362	3549	3811	4260	4670	4921	5876
WT(RF)	kg	39	52	68	120	170	273	402	610	902	1245	1530	2030	2975	4252	5220	6050	6945	8312	10000	14300	16460	22900
WT(BW)	kg	28	42	55	84	125	204	337	548	905	974	1345	1730	2415	3415	4295	4980	5710	6834	8220	11755	13530	18820

Main Dimensions

Class900LB

Size	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"	32"	36"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900
L-L1 (RF-BW)	in	14.5	16.5	15	18	24	29	33	38	40.5	44.5	48	52	61	65	70	74	78	87
	mm	368.3	419	381	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1321	1549.4	1664	1778	1892	2004	2232
L2(RTJ)	in	14.6	16.6	15.1	18.1	24.1	29.1	33.1	38.1	40.9	44.88	48.50	52.48	61.73	/	/	/	/	/
	mm	371.6	422	384.2	460.5	612.9	740	841.2	968.2	1038.4	1140	1232	1333	1568.5	/	/	/	/	/
W	in	12	10	14	16	22	25	27	30	30	24	32	40	32	40	40	47	47	47
	mm	300	250	350	400	560	640	680	760	760	*610	*810	*810	*810	*1000	*1000	*1200	*1200	*1200
H	in	17.2	21.5	19	21	31	34.9	42.2	46.9	50.2	76	90.2	95.2	110.6	111.5	114.8	118	121.4	128
	mm	437	547	486	545	776	886	1071	1190	1275	1930	2290	2417	2808	2833	2916	3000	3083	3250
WT(RF)	kg	74	92	101	172	372	640	1100	1360	2250	2850	3870	4860	6100	7300	7600	9800	11950	15000
WT(BW)	kg	54	65	70	110	265	498	810	1228	2009	2563	3300	4050	6120	5500	6900	9000	11000	13500