



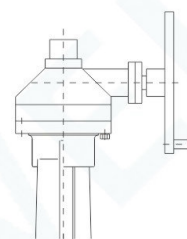
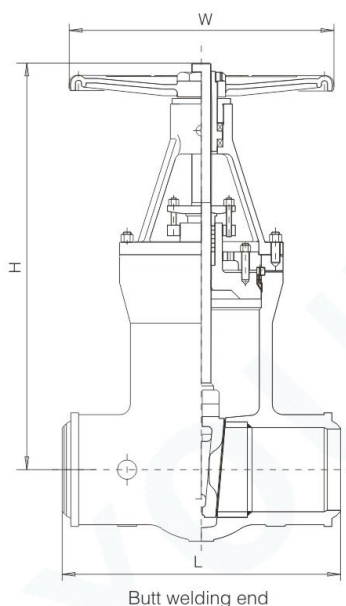
■ PRESSURE SELF SEALING GATE VALVE

Material List

Parts	Standard materials	Stainless steel	Low temperature environment	High temperature environment	Acidic environment
Body	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
Race	ASTM A105N + STL.6	ASTM A182 F316+STL.6	ASTM A350 LF2+STL.6	ASTM A182 F22 + STL.6	ASTM A105N + STL.6
Ram	ASTM A216 WCB + Cr13	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9 + Cr13	ASTM A216 WCB + Cr13
Stem	ASTM A182 F6a	ASTM A182 F316	ASTM A182 F316	ASTM A182 F6a	ASTM A182 F6a(NACE)
Stuffing box	ASTM A105	ASTM A182 F316	ASTM A350 LF2	ASTM A182 F22	ASTM A105N
*Sealing ring	Stainless steel/Graphite	Stainless steel/Graphite	Stainless steel/Graphite	Stainless steel/Graphite	Stainless steel/Graphite
Packing ring	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
Quarto ring	ASTM A182 F6a	ASTM A182 F316	ASTM A182 F316	ASTM A182 F6a	ASTM A182 F6a(NACE)
Bonnet	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
Filler	Graphite	Graphite	Graphite	Graphite	Graphite
Bonnet bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M
Bonnet nut	ASTM A194 2H	ASTM A194 8	ASTM A194 7	ASTM A194 4	ASTM A194 2HM
Support bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M
Support nut	ASTM A194 2H	ASTM A194 8	ASTM A194 7	ASTM A194 4	ASTM A194 2HM
Packing plate	ASTM A105N	ASTM A182 F316	ASTM A350 LF2	ASTM A182 F22	ASTM A105N
Pressing sleeve	ASTM A276 410	ASTM A276 316	ASTM A276 316	ASTM A276 410	ASTM A276 410(NACE)
Packing plate seat	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
Knuckle bolt	ASTM A193 B7	ASTM A193 B8	ASTM A320 L7	ASTM A193 B16	ASTM A193 B7M
Knuckle nut	ASTM A194 2H	ASTM A194 8	ASTM A194 7	ASTM A194 4	ASTM A194 2HM
Support	ASTM A216 WCB	ASTM A351 CF8M	ASTM A352 LCC	ASTM A217 WC9	ASTM A216 WCB
Stem nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
Lubricating nipple	Carbon steel	Stainless steel	Stainless steel	Carbon steel	Carbon steel
Lock nut	Carbon steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Hand wheel	Ductile iron	Ductile iron	Ductile iron	Ductile iron	Ductile iron
Screws	Carbon steel	Stainless steel	Stainless steel	Carbon steel	Carbon steel
Hand wheel nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2

* Sealing ring: 4" and below stainless steel + graphite; Stainless steel above 4"

■ PRESSURE SELF SEALING GATE VALVE



Gearbox drive



RTJ Flange End



Flange End

Main Dimensions

Class600LB

NPS	in	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	750
L(BW)	in	7	8.5	10	12	15	18	23	28	32	35	39	43	47	55	/	/	/
	mm	178	216	254	305	381	457	584	711	813	889	991	1092	1194	1397	/	/	/
L1(RF)	in	12	13	14	17	20	22	26	31	33	35	39	43	47	55	57	61	65
	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651
L2(RTJ)	in	12	13	14	17	20	22	26	31	33	35	39	43	47	55	58	62	66
	mm	295	333	359	435	511	562	663	790	841	892	994	1095	1200	1407	1461	1562	1664
W	in	8	10	10	14	16	18	18	24	27	24	24	24	24	24	32	32	39
	mm	200	250	250	350	400	450	460*	600	680	*610	*610	*610	*610	*610	*810	*810	*1000
H	in	23	25	26	36	39	43	48	60	71	73	85	89	97	118	128	138	149
	mm	589	630	668	914	1001	1079	1222*	1511	1791	1857	2162	2250	2471	3000	3251	3503	3785
WT(RF)	kg	62	95	100	149	208	245	320	430	515	670	905	1150	1445	2080	2445	2895	3250
WT(BW)	kg	40	65	69	102	150	171	215	268	318	435	570	720	890	1285	1510	1750	2010

Main Dimensions

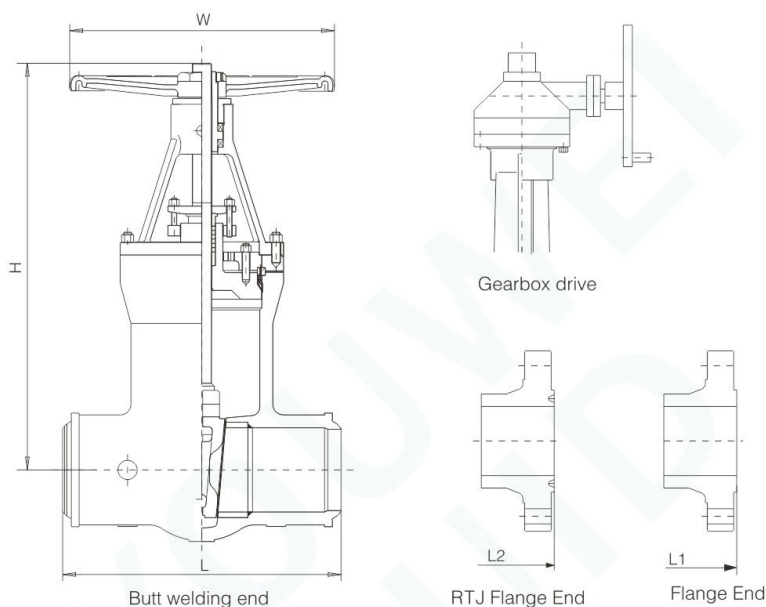
Class900LB

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	26"	28"	30"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L(BW)	in	9	10	12	14	20	26	31	36	39	43	48	52	61	65	68	72
	mm	216	254	305	356	508	660	787	914	991	1092	1219	1321	1549	1651	1727	1816
L1(RF)	in	15	17	15	18	24	29	33	38	41	45	48	52	61	/	/	/
	mm	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	/	/	/
L2(RTJ)	in	15	17	15	18	24	29	33	38	41	45	49	53	62	/	/	/
	mm	371	422	384	460	613	740	841	968	1039	1140	1232	1334	1568	/	/	/
W	in	10	10	16	16	22	25	21	21	24	24	32	32	39	39	39	47
	mm	254	254	400	400	560	640	540*	540*	*610	*610	*810	*810	*1000	*1000*	*1000	*1200
H	in	23	30	26	30	36	49	57	64	71	80	97	100	128	138	149	160
	mm	584	762	655	752	927	1231	1437*	1612*	1800*	2020*	2471	2541*	3241	3513	3785	4051
WT(RF)	kg	63	99	107	158	294	693	1008	1418	1785	2520	3820	4400	6776	/	/	/
WT(BW)	kg	42	67	70	108	194	520	772	1103	1470	2048	2730	3685	5430	6370	7385	8480

* Gearbox drive



■ PRESSURE SELF SEALING GATE VALVE



Main Dimensions

Class1500LB

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L(BW)	in	9	10	12	16	22	28	34	39	42	47	53	58	66
	mm	216	254	305	406	559	711	864	991	1067	1194	1346	1473	1676
L1(RF)	in	15	17	19	22	28	33	39	45	50	55	61	66	77
	mm	368	419	470	546	706	833	991	1130	1257	1384	1537	1664	1943
L2(RTJ)	in	15	17	19	22	28	33	39	45	50	55	61	66	78
	mm	371	422	473	549	712	843	1001	1146	1276	1406	1559	1687	1971
W	in	12	14	16	20	18	18	24	24	24	32	32	39	39
	mm	300	350	400	500	*460	*460	*610	*610	*610	*810	*810	*1000	*1000
H	in	23	26	28	32	43	51	59	66	74	85	94	122	148
	mm	574	652	701	815	1081	1295	1502	1679	1885	2155	2390	3101	3767
WT(RF)	kg	63	99	126	218	509	956	1481	2184	2741	3780	5960	7370	10610
WT(BW)	kg	42	67	87	150	367	718	1071	1523	1890	2888	4630	5720	8240

Main Dimensions

Class2500LB

NPS	in	2"	2-1/2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
L(BW)	in	11	13	14	18	24	30	36	41	44	49	55	62	68
	mm	279	330	368	457	610	762	914	1041	1118	1245	1397	1575	1727
L1(RF)	in	18	20	23	27	36	40	50	56	/	/	/	/	/
	mm	451	508	578	673	914	1022	1270	1422	/	/	/	/	/
L2(RTJ)	in	18	20	23	27	37	41	51	57	/	/	/	/	/
	mm	454	514	584	683	927	1038	1292	1444	/	/	/	/	/
W	in	12	18	12	18	18	24	24	24	24	24	32	39	40
	mm	300	457	*310	*460	*460	*610	*610	*610	*610	*610	*810	*1000	*1000
H	in	23	29.8	30	36	38.9	55	58	71	94	85	116	145	154
	mm	585	760	762	901	990	1397	1468*	1806	2388	2168	2949	3692	3901
WT(RF)	kg	89	142	173	346	851	1386	2493	3091	/	/	/	/	/
WT(BW)	kg	53	95	100	200	488	850	1680	2330	3400	4200	5000	6170	8880

* Gearbox drive