



## BELLOWS GATE VALVES

### MATERIAL SPECIFICATIONS

NO.	Part name	Materials
21	Bearing	GCr
20	Stem Nut	A439-D2
19	Grease nipple	B62
18	Hand wheel nut	A193 B7
17	Yoke Nut	A193 B7
16	Hand wheel	Ductile iron
21	inner-hexagon-bolt	A193 B7
20	Oriented block	A105/304
19	Protector	A216 WCB
18	Gear equipment	Ductile iron

NO.	Part name	Materials					
		A216 WCB	A352 LCB	A217 WC9	A217 C5	A351 CF8M	A351 CF3M
15	Yoke	A216 WCB	A352 LCB	A216 WCB	A216 WCB	A351 CF8	
14	Gland flange	A216 WCB				A351 CF8	
13	Eye nut	A193 B7	A193 L7	A193 B16		A193 B8M	
12	Eye bolt	A194 2H	A194 4	A194 7		A194 8M	
11	Gland	A276 410	A276 410	A276 304		A276 316	
10	Gland packing	Flexible graphite+304				PTFE	
9	Bonnet	A216 WCB	A352 LCB	A217 WC9	A217 C5	A351 CF8M	A351 CF3M
8	Bonnet bolt	A193 B7	A193 L7	A193 B16	A193 B16	A193 B8M	
7	Bonnet nut	A194 2H	A194 4	A194 7	A194 7	A194 8M	
6	Gasket	SS304+graphite				SS316+PTFE	
5	Bellows	SS304	SS304	SS304		SS316	SS316L
4	Stem	A182 F6	A182 F304	A182 F304		A182 F316	A182 F316L
3	Wedge	A216 WCB	A352 LCB	A217 WC9	A217 C5	A351 CF8M	A351 CF3M
2	Seat ring	A105		A182 F304		A182 F316	A182 F316L
1	Body	A216 WCB	A352 LCB	A217 WC9	A217 C5	A351 CF8M	A351 CF3M

### BELLOWS GATE VALVES CLASS 150~600Lb

Class		Dimensions																				
		Size	inch	2	2-1/2	3	4	6	8	10	12-nt	14	16	18	20	24	26	28	30	32	34	36
150	L-RF	mm	178	191	203	229	267	292	330	356	381	406	432	457	508	559	610	610	710	762	71	
	L1-BW	mm	216	241	283	305	403	419	457	502	572	610	660	711	813	864	914	914	965	1016	1016	
	L2-RTJ	mm	191	203	216	241	279	305	343	368	394	419	445	470	521	559	610	610	710	762	711	
	H	mm	520	620	670	785	1095	1415	1730	2065	2466	2900	3110	3510	4200	4500	4800	5300	5600	6100	7200	
	K	mm	200	200	250	600	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000	1000	
	Wt	RF	kg	215	34	36	60	102	154	264	372	540	660	840	972	1356	2015	2675	3330	3430	3660	4400
		BW	kg	18	26	31	48	92	148	240	348	520	610	680	1056	1330	2100	2640	3180	3540	3900	4220
RTJ		kg	24	35	45	67	100	165	252	370	540	678	880	1120	1350	2040	2600	3360	3480	3680	4500	
300	Size	inch	2	2-1/2	3	4	6	8ont	10-nt	12	14	16	18	20	24	26	28	30	32	34	36	
	L-RF	mm	216	241	283	305	403	419	457	502	762	838	914	991	1143	1245	1346	1397	1524	1626	1727	
	L1-BW	mm																				
	L2-RTJ	mm	232	257	298	321	419	435	473	518	778	854	930	1010	1165	1270	1372	1422	1553	1654	1756	
	H	mm	624	745	804	942	1314	1698	2076	2478	2960	3480	3732	4210	5040	5400	5700	6360	6720	7320	8600	
	K	mm	200	200	250	300	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000	1000	
	Wt	RF	kg	29	53	57	87	174	271	420	695	860	1260	1480	1980	2780	3430	3920	5080	5480	5820	6300
RTJ		kg																				



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	BW	kg	24	42	45	65	132	210	342	600	738	1128	1300	1800	2520	3090	3960	4800	5220	5410	5825	
600	Size	inch	2	2-1/2	3	4	6ont	8~nt	10	12	14	16	18	20	24	26	28	30	32	34	36	
	L-RF	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1549	1651	1778	1930	2083	
	L1-BW	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1562	1664	1794	1946	2099	
	L2-RTJ	mm	748	890	965	1130	1575	2040	2491	2800	3552	4176	4460	5051	6050	6480	6840	7600	8060	8780	10320	
	H	mm	200	250	300	350	450	500	600	750	850	850	960	960	1000	1000	1000	1250	1500	1650	1800	
	K	mm	42	66	86	152	438	533	840	1130	1570	1932	2485	2890	4580	5260	5890	6300	8200	8900	10560	
	Wt	RF	kg	38	56	77	124	261	445	685	990	1214	1510	2130	2410	3840	4700	5140	5850	6740	7400	940
		RTJ	kg																			
		BW	kg																			