



CLASS 150~600 CRYOGENIC GATE VALVE

BOLTED LENGTHEN BONNET, Threaded or welded seat ring

Full bore, OS&Y, Rising stem, Flexible wedge

Pressure relief hole on seat

Stainless trim

ASTM A352 LCB, LC1, LC2, LC3, LC4

A351 CF8, A351 CF8M

Standards compliance

Design and Manufacture: API 600, API 6D, BS1414

Face to face (end to end): ANSI B16.10, API 6D

Flanged connection: 2~24~to ANSI B16.5

Butt welded end: ANSI B16.25

Material specification

NO.	Part	A352 LCB	A352 LC1	A352 LC2	A352 LC3	A352 LC4	A352 CF8
01	Body	A352 LCB	A352 LC1	A352 LC2	A352 LC3	A352 LC4	A352 CF8
02	Seat ring	A182 F304+STL	A182 F304+STL	A182 F304+STL	A182 F304+STL	A182 F304+STL	A182 F304+STL
03	Wedge	A352 LCB+STL	A352 LC1+STL	A352 LC2+STL	A352 LC3+STL	A352 LC4+STL	A352 CF8+STL
04	Stem	A182 F6a			A182 F304		
05	Gasket	Spiral wound/Soft Iron/PTFE					
06	Bolt	A320 L7			A193 B8		
07	Nut	A193 2H			A194 8		
08	Back seat	A182 F6a			A182 F304+STL		
09	Yoke	A352 LCB	A352 LC1	A352 LC2	A352 LC3	A352 LC4	A352 CF8
10	Gland Bocking	Graphite					
11	Gland	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a	A182 F6a
12	Gland Flange	A352 LCB	A352 LC1	A352 LC2	A352 LC3	A352 LC4	A352 CF8
13	Stem nut	Cu-Aolly,A439 D-2					
14	Yoke nut	A194 2H					
15	Handwheel	Malleable Iron/cast steel/Ducile/Fabricated					
16	Handwheel nut	A194 2H					
17	Nameplate	Stainless steel					
18	Pin	A182 F6a					
Working temperature		-46 font	-60 font	-73 font	-101 font	-115 font	-196 font

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Class	Dimensions																				
	Size	inch	2	2-1/2	3	4	6	8	10 ?ont	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	540	610	690	780	980	1180	1390	1620	1810	1970	2410	2410	3210	3600	3880	4000	4320	4310	5100
	K	mm	200	200	250	600	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000	1000
	Wt	RF	kg	23	33	40	54	91	132	240	360	45	589	630	780	1240	1920	2432	2980	3161	3450
BW		kg	19	29	37	48	85	126	210	340	465	509	580	740	1130	1720	1810	2670	2870	3250	3370
RTJ		kg	24	35	43	57	94	135	205	389	500	593	645	790	1260	1950	2470	3000	3200	3487	4000
	Size	inch	2	2-1/2	3	4	6	8 ?ont	10~nt	12	14	16	18	20	24	26	28	30	32	34	36

300	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	540	630	690	780	980	1080	1390	1020	1810	1970	2410	2820	3200	3700	4320	4510	4600	4400	5100
	K	mm	200	200	250	300	350	350	400	450	500	500	600	750	750	915	915	915	1000	1000	1000
	Wt	RF	kg	27	49	53	80	152	245	380	610	758	1100	1240	1700	2380	2930	3475	4310	5100	4930
RTJ		kg																			
BW		kg	24	41	45	64	120	194	310	560	710	980	1000	1550	2120	2680	3100	4100	4610	4810	5000
600	Size	inch	2	2-1/2	3	4	6	8	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																			
	L2-RTJ	mm	295	333	359	435	562	664	791	841	892	994	1095	1200	1407	1461	1562	1664	1794	1946	2099
	H	mm	560	680	710	870	1020	1210	1420	1680	1910	2030	2530	3100	3420	3700	3980	4200	4520	4530	5320
	K	mm	200	250	300	350	450	500	600	750	850	850	960	960	1000	1000	1250	1250	1500	1650	1800
Wt	RF	kg	39	60	78	132	372	464	730	970	1360	1695	2109	2610	3910	4450	5050	5340	6920	7520	8910
	RTJ	kg																			
	BW	kg	36	54	61	110	320	434	690	930	1280	1510	1930	2210	3540	4000	4510	4830	6400	7000	8000

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