



## FLANGED TYPE BUTTERFLY VALVE RUBBER LINED



### FEATURES

ANSI 125/150LB, PN1.0/PN1.6MPa

Size: 2" ~ 96" (50~2400mm)

Materials: A126 B (GG25), A536 65-45-12 (GGG40), A216 WCB, S.S.304(CF8), S.S.316(CF8M), B148 C954

Bidirectional sealing, small torque

Linear flow curve, excellent regulation

Whether vertical or horizontal installation is OK

Can be used as exhaust valve on the pipeline end

Quick 90° on-off operation

Good sealing capability, no leakage

Flanged ends: ANSI B16.5 ANSI 125/150; DIN 2501 / BS 4504 / GB 17241.6 PN10/PN16

Face to face: ISO 5752, AWWA C504, GB12221, EN558-1, ANSI B16.1

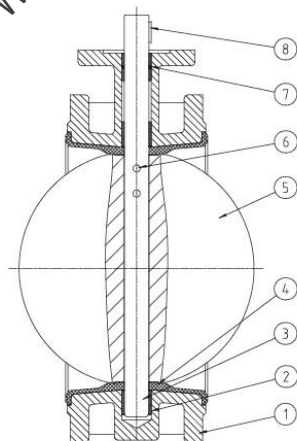
Top flange: ISO 5211

Inspection & testing: API598, GB13927

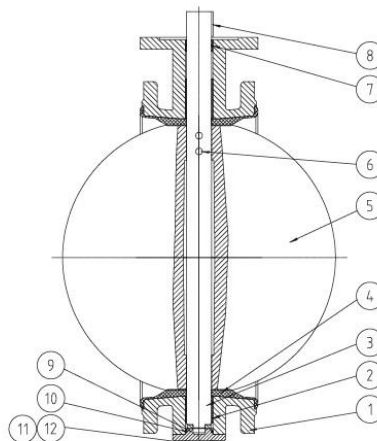
Design: GB12238, AWWA C504, EN593

Applicable medium: water, sewage, sea water, air, corrosive liquids

Applicable temperature: -45°C ~ 150°C (higher temperature is available upon request)



DN50-DN300

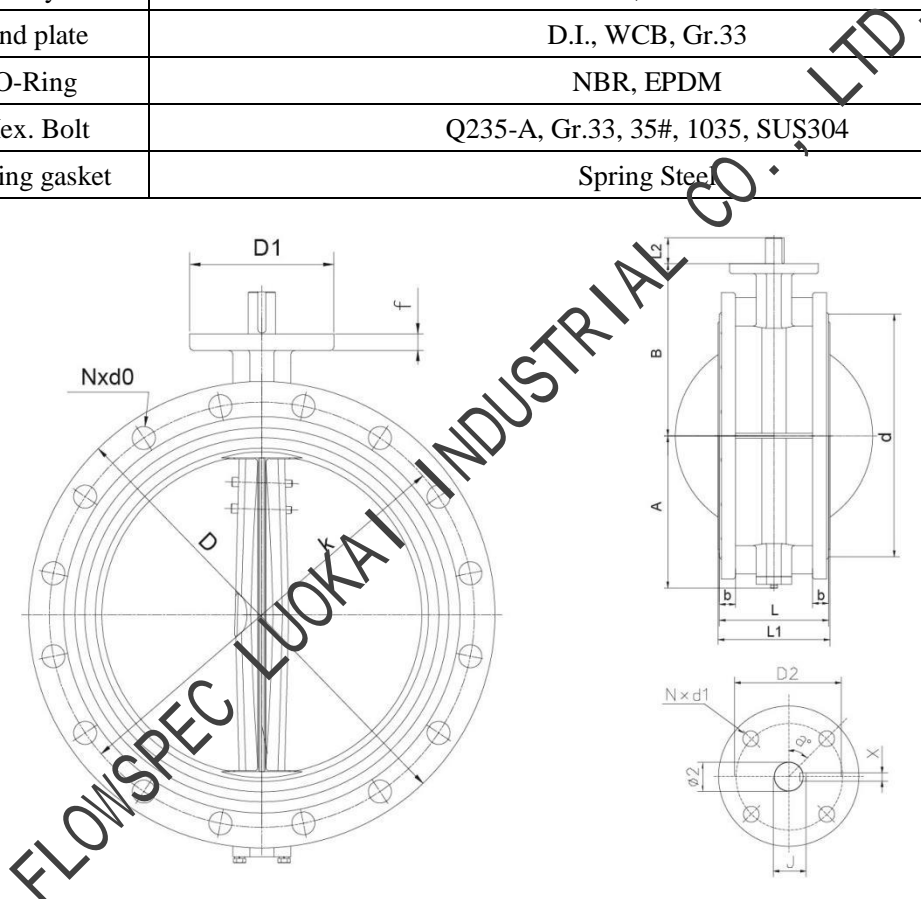


DN350-DN1200



**PARTS AND MATERIALS**

NO.	PARTS	MATERIALS
1	Body	C.I., D.I., WCB, ALB, CF8 (S.S.304), CF8M (S.S.316)
2	Bushing	Bronze, PTFE
3	Shaft	SUS416, SUS304, SUS316, SUS431, 17-4PH
4	Seat	NR, NBR, EPDM, VITON
5	Disc	D.I., CF8 (S.S.304), CF8M (S.S.316), ALB, Duplex S.S., Hastelloy Alloy, Monel
6	Taper pin	SUS416, SUS316, SUS431, 17-4PH
7	O-Ring	NBR, EPDM
8	Key	45#, 1045
9	End plate	D.I., WCB, Gr.33
10	O-Ring	NBR, EPDM
11	Hex. Bolt	Q235-A, Gr.33, 35#, 1035, SUS304
12	Spring gasket	Spring Steel



**MAIN CONNECTION DIMENSIONS (MM)**

**PN1.0MPA**

DN	A	B	b	f	D	K	d	F	N-d0	L	L1	D1	D2	N-d1	a°	J	X	L2	Ø2	Weight
50	83	120	19	3	165	125	99	13	4-19	108	111	65	50	4-7	45	13.8	3	32	12.6	7.6
65	93	130	19	3	185	145	118	13	4-19	112	115	65	50	4-7	45	13.8	3	32	12.6	9.7
80	100	145	19	3	200	160	132	13	8-19	114	117	65	50	4-7	45	13.8	3	32	12.6	10.6
100	114	155	19	3	220	180	156	13	8-19	127	130	90	70	4-10	45	17.77	5	32	15.77	13.8
125	125	170	19	3	250	210	184	13	8-19	140	143	90	70	4-10	45	20.92	5	32	18.92	18.2
150	143	190	19	3	285	240	211	13	8-23	140	143	90	70	4-10	45	20.92	5	32	18.92	21.7



200	170	205	20	3	340	295	266	13	8-23	152	155	125	102	4-12	45	24.1	5	45	22.1	31.8
250	198	235	22	3	395	350	319	13	12-23	165	168	125	102	4-12	45	31.45	8	45	28.45	44.7
300	223	280	24.5	4	445	400	370	20	12-23	178	182	125	102	4-12	45	34.6	8	45	31.6	57.9
350	270	310	24.5	4	505	460	429	20	16-23	190	194	150	125	4-14	45	34.6	8	45	31.6	81.6
400	300	340	24.5	4	565	515	480	20	16-28	216	221	175	140	4-18	45	36.15	10	51	33.15	106
450	340	375	25.5	4	615	565	530	20	20-28	222	227	175	140	4-18	45	40.95	10	51	38	147
500	355	430	26.5	4	670	620	582	22	20-28	229	234	175	140	4-18	45	44.12	10	57	41.15	165
600	410	500	30	5	780	725	682	22	20-31	267	272	210	165	4-22	45	51.62	16	70	50.65	235
700	478	560	32.5	5	895	840	794	30	24-31	292	299	300	254	8-18	22.5	71.35	18	66	63.35	238
800	529	620	35	5	1015	950	901	30	24-34	318	325	300	254	8-18	22.5	71.35	18	66	63.35	475
900	584	665	37.5	5	1115	1050	1001	34	28-34	330	337	300	254	8-18	22.5	71.35	18	66	63.35	595
1000	657	735	40	5	1230	1160	1112	34	28-37	410	417	300	254	8-18	22.5	71.35	22	142	85	794
1200	799	917	45	5	1455	1380	1328	34	32-40	470	478	350	298	8-22	22.5	117	28	150	105	1290
1400	919	1040	46	5	1675	1590	1530	40	36-44	530	538	415	356	8-33	22.5	134	32	200	120	2130
1500	965	1050	47.5	5	1785	1700	1630	40	36-44	570	580	415	356	8-32	22.5	156	36	200	140	3020
1600	1045	1150	49	5	1915	1820	1700	50	40-50	600	610	415	356	8-32	22.5	156	36	200	140	3560
1800	1280	1290	52	5	2115	2020	1914	55	44-50	670	682	475	406	8-40	22.5	178	40	280	160	4620
2000	1350	1323	55	5	2325	2230	2130	55	48-50	760	772	475	406	8-40	22.5	178	40	280	160	6160
2200	1430	1500	60	5	2555	2440	2320	55	52-56	830	848	560	483	12-40	15	200	45	300	180	6730
2400	1523	1560	68	5	2760	2650	2530	55	56-56	950	762	686	603	20-40	9	242	50	400	220	9586

**MAIN CONNECTION DIMENSIONS (MM)**

**PN1.6MPA**

DN	A	B	b	f	D	K	d	N-d0	L	L1	D1	D2	N×d1	a°	J	X	L2	Ø2	Weight	
50	83	120	19	3	165	125	99	13	4-19	108	111	65	50	4-7	45	13.8	3	32	12.6	7.6
65	93	130	19	3	185	145	118	13	4-19	112	115	65	50	4-7	45	13.8	3	32	12.6	9.7
80	100	145	19	3	200	160	132	13	8-19	114	117	65	50	4-7	45	13.8	3	32	12.6	10.6
100	114	155	19	3	220	180	156	13	8-19	127	130	90	70	4-10	45	17.77	5	32	15.77	13.8
125	125	170	19	3	250	210	184	13	8-19	140	143	90	70	4-10	45	20.92	5	32	18.92	18.2
150	143	190	19	3	285	240	211	13	8-23	140	143	90	70	4-10	45	20.92	5	32	18.92	21.7
200	170	205	20	3	340	295	266	13	12-23	152	155	125	102	4-12	45	24.1	5	45	22.1	31.8
250	198	235	22	3	405	355	319	13	12-28	165	168	125	102	4-12	45	31.45	8	45	28.45	44.7
300	223	280	24.5	4	460	410	370	20	12-28	178	182	125	102	4-12	45	34.6	8	45	31.6	59
350	270	310	26.5	4	520	470	429	20	16-28	190	194	150	125	4-14	45	36.15	10	45	33.15	86
400	300	340	28	4	580	525	480	20	16-31	216	221	175	140	4-18	45	40.95	10	51	37.95	119
450	340	375	30	4	640	585	530	20	20-31	222	227	175	140	4-18	45	45.86	12	51	42.86	165
500	355	430	31.5	4	715	650	582	22	20-34	229	234	210	165	4-22	45	49.22	14	57	45.72	185
600	410	500	36	5	840	770	682	22	20-37	267	272	300	254	8-18	22.5	57.98	15	70	53.98	263



700	478	560	39.5	5	910	840	794	30	24-37	292	299	300	254	8-18	22.5	71.35	18	66	63.35	361
800	529	620	43	5	1025	950	901	30	24-41	318	325	350	298	8-22	22.5	79	20	66	70	484
900	584	685	46.5	5	1125	1050	1001	34	28-41	330	337	350	298	8-22	22.5	90	22	118	80	598
1000	657	735	50	5	1255	1170	1112	34	28-44	410	417	350	298	8-22	22.5	100	25	142	90	824
1200	799	917	57	5	1485	1380	1328	34	32-50	470	478	415	356	8-33	22.5	117	28	150	105	1223
1400	919	1040	60	5	1685	1590	1530	40	36-50	530	538	415	356	8-33	22.5	134	32	200	120	2386
1500	965	1050	62.5	5	1820	1710	1630	40	36-57	570	580	415	356	8-32	22.5	156	36	200	140	3475
1600	1045	1150	65	5	1930	1820	1700	50	40-57	600	610	415	365	8-32	22.5	156	36	200	140	4055
1800	1280	1290	70	5	2130	2020	1914	55	44-57	670	682	475	406	8-40	22.5	178	40	280	160	5570
2000	1350	1323	75	5	2345	2345	2130	55	48-62	760	772	475	406	8-40	22.5	178	40	280	160	7240

**NOTES:**

As we are constant endeavoring to improve the performance of our equipment.

The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.

FLAWSPEC LUOKAI INDUSTRIAL CO., LTD.