

DOUBLE FLANGE BUTTERFLY VALVE (CONCENTRIC TYPE)

SPECIFICATION

CONCENTRIC TYPE • FLANGED TO BS 4504 PN10 / PN16
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 (DOUBLE FLANGE SHORT BODY) / BS EN593 / EN558-1 BASIC SERIES 13 (DOUBLE FLANGE SHORT BODY) / API 609
LEVER / WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell : 24 bar Seat : 17.6 bar
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat)
Suitable Media	Water, Oil & Gas

MATERIALS

Part	Material	BS
Body	Ductile Iron	2789 Gr. 500/7, 420/12
Disc	Ductile Iron	2789 Gr. 500/7, 420/12
	Aluminum Bronze	1400 AB2
	Stainless Steel 304	304 C15
	Stainless Steel 316	316 C16
Seat Ring	EPDM	
	NBR	
	Viton	
Shaft	Stainless Steel 410	410 S21
	Stainless Steel 431	431 S29
	Stainless Steel 316	316 S16
Taper Pins	Stainless Steel 316	316 S16
Key	Carbon Steel	
O-Ring	NBR	
Bushing	Luberized Bronze	

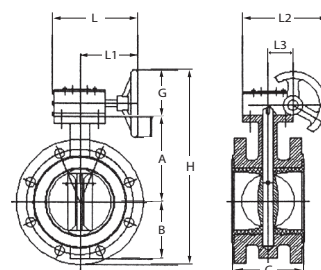
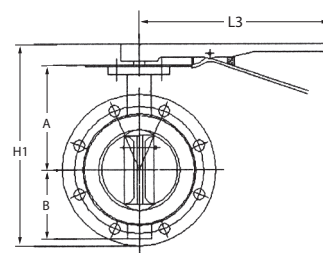
DIMENSIONS

Size mm	A mm	B mm	C mm	H mm	L mm	L1 mm	L2 mm	L3 mm	G mm	Cv 90°
50	110	80	108	304	226	173	173	45	150	135
65	134	80	112	338	226	173	173	45	150	220
80	131	95	114	342	226	173	173	45	150	302
100	150	114	127	371	226	173	173	45	150	600
125	170	114	140	406	226	173	173	45	150	1022
150	180	139	140	434	226	173	173	45	150	1579
200	210	175	152	573	313	239	300	63	285	3136
250	246	203	165	641	313	239	300	63	285	5340
300	276	242	178	695	307	226	312	80	285	8250
350	328	256	190	777	307	226	312	80	285	11917

BFV-DCB

PN16

DN50~350



DOUBLE FLANGE BUTTERFLY VALVE (CONCENTRIC TYPE)

SPECIFICATION

DOUBLE-STAGE WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar (DN400~600) 10 bar (DN700~1200)
Testing Pressure	Shell : 24 bar (DN400~600) 15 bar (DN700~1200) Seat : 17.6 bar (DN400~600) 11 bar (DN700~1200)
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat)
Suitable Media	Water, Oil & Gas

DIMENSIONS

Size mm	A mm	B mm	C mm	H mm	L mm	L1 mm	L2 mm	L3 mm	G mm	Cv 90°
400	376	296	216	957	103	174	434	181	279	16388
450	407	316	222	1007	103	174	434	181	279	21705
500	448	352	229	1085	103	174	434	181	305	27908
600	518	441	267	1246	138	174	488	200	305	43116
700	560	473	292	1415	560	1415	634	243	358	49500
800	620	527	318	1528	620	1529	634	243	358	68250
900	685	581	330	1741	685	1742	697	278	409	86375
1000	735	653	410	1863	735	1864	697	278	409	119750
1200	917	796	470	2240	917	2241	986	458	435	154000

Note:

1. Actuator mounting flange conforms to ISO 5211 drilling.
2. The butterfly valve can be supplied with electric or pneumatic actuator.
3. Pneumatic actuators are available in spring return or double acting.
4. Micro switch / limit switch box are available upon request.
5. JIS B2239 10K and other flange standards available upon request.
6. If used for gas application, please consult our sales office.
7. Design and specifications are subject to change without prior notice.

BFV-DCB

PN16

DN400~600

PN10

DN700~1200

