

## DOUBLE FLANGED BUTTERFLY VALVE (CONCENTRIC TYPE)

Fig.216

PN10/16

DN 50-600

### SPECIFICATION

FLANGED TO BS4504 PN10/16, JIS 10K/16K, ANSI #125/150  
FACE-TO-FACE DIMENSION TO ISO 5752/ BS5155/ BS EN 593, SERIES 13  
LEVER/ WORM GEAR OPERATOR

### PRESSURE/TEMPERATURE RATINGS

Working pressure	10/16 bar
Testing Pressure	Shell: 15/24 bar Seat: 11/17.6 bar
Working temperature	NBR $\leq 80^{\circ}\text{C}$ , EPDM $\leq 120^{\circ}\text{C}$
Suitable Media	Water, Oil & Gas

### MATERIALS

Part	Material	BS
Body	Cast Iron	Gr. 250
	Ductile Iron	Gr. 500/7
Disc	Ductile Iron	Gr. 420/12
	Aluminum Bronze	1400 AB2
	Stainless steel 304	304 C15
	Stainless steel 316	316 C16
Seat Ring	EPDM	
Shaft	Stainless steel	410 S21
Taper Pins	Stainless steel 316	304 S15
Key	Carbon steel	
O-Ring	NBR	
Bolt/nut	Stainless steel	410 S21
Bushing	PTFE Luberized Bronze	
Painting	Blue Epoxy Power Coating	

### 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	303.5	226	173	45	267	150	135
65	134	80	112	337.5	226	173	45	267	150	220
80	131	95	114	342	226	173	45	267	150	302
100	150	114	127	371	226	173	45	267	150	600
125	170	114	140	406	226	173	45	267	150	1022
150	180	139	140	433.5	226	173	45	267	150	1579
200	210	175	152	573	313	239	63	358	302	3136
250	246	203	165	641	313	239	63	358	302	5340
300	276	242	178	695	307	226	80	358	302	8250
350	328	256	190	777	307	226	80	-	302	11917
400	376	296	216	957	103	174	104	103	279	16388
450	407	316	222	1007	103	174	104	103	279	21705
500	448	352	229	1085	103	174	104	103	305	27908
600	518	441	267	1246	138	174	130	138	305	43116

