

## Wafer Type Double Flange Butterfly Valve

FlowBiz Brand Double Flange Butterfly Valves offer two different manual operating (Gear/Handle). Our Valves are made with state of the art engineering for multiple ON/OFF operations in bigger pipeline & full flow downstream.

**Size Range :** 3 Inch to 48 Inch (80mm to 1200mm)

### Key Features :

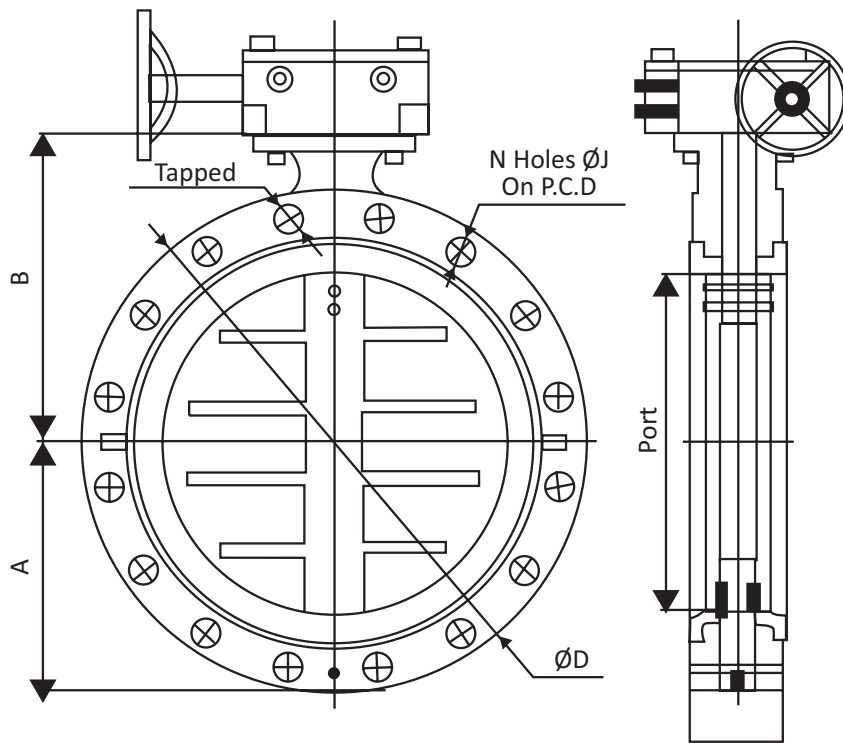
- The seat liner on the body is integrally moulded to ensure outstanding dimensional stability & assured seat tightness.
- FlowBiz engineers have dismissed the need for separate flange gaskets by extending the seat liner to the contact faces. In addition to it, it also ensures perfect sealing.
- FlowBiz engineers have designed a narrow land disc design that ensures perfect sealing with least operating torque requirements. To ensure fitting of the valve between companion flanges of all popular standards (i.e., ANSI, BS, DIN, JIS, IS etc), our team developed a fully universal body design.
- In addition to the close and open position, the notched disc & band lever ensures the valve's locking in 8 intermediate positions. The hand lever can be locked through a padlock.
- Superior FG 260 grade cast iron body casting ensures additional strength.
- Stainless Steel/ductile cast iron made valve disc protects against possible water hammer or pressure surges.
- An Ensured maximum flow capacity with the lowest pressure drop with a perfect line size body structure.



PRESSURE / TEMPERATURE RATING	
PRESSURE	TEMPERATURE
PN 10 / PN 16 (PN 20 ON REQUEST)	-20 to 80 ° C For Nitrile Seat Depending On MOC

**Note :** (Valve F to F will be as per Wafer type) (Flange Thickness Non-STD as per Mfg. Std wafer short Double Flange Body)





Size : Upto 3" to 48"

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Flange Thickness Non-STD as per Mfg. Std wafer short Double Flange Body

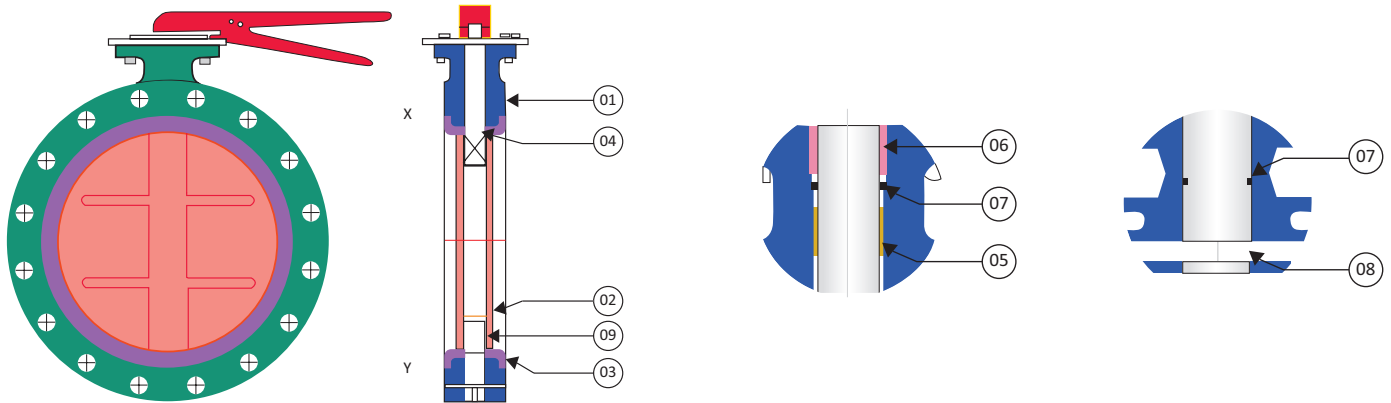
Dimensions :											(All Dimensions are in mm)
Valve Model	Valve Size		Port	A	B	C	ØD	N	ØJ	Tapped	PCD
	MM	Inch									
FB- DFW-80	80	3"	80	95	129	46	190	4	19.05	-	152.4
FB- DFW-100	100	4"	100	113	147	52	230	8	19.05	-	190.5
FB- DFW-150	150	6"	150	136	177	56	280	8	22.2	-	241.3
FB- DFW-200	200	8"	200	174	214	60	345	8	22.2	-	298.5
FB- DFW-250	250	10"	241	201	265	68	405	12	25.4	-	362
FB- DFW-300	300	12"	286	236	303	78	485	12	25.4	-	431.8
FB- DFW-350	350	14"	333	248	345	78	535	12	28.6	-	476.3
FB- DFW-400	400	16"	382	300	364	102	595	16	28.6	-	539.8
FB- DFW-450	450	18"	433	322	381	114	635	16	31.75	1"UNC	577.9
FB- DFW-500	500	20"	476	354	436	127	700	20	31.75	1"UNC	635
FB- DFW-600	600	24"	590	405	515	154	815	20	34.9	1.1/4 UNC	749.3
FB- DFW-650	650	26"	635	435	490	165	870	24	34.9	1.1/4 UNC	805.4
FB- DFW-700	700	28"	680	462	543	165	925	28	34.9	1.1/4 UNC	863.6
FB- DFW-750	750	30"	725	482	576	190	985	28	34.9	1.1/4 UNC	914.4
FB- DFW-800	800	32"	785	533	618	190	1060	28	41.3	1.1/2 UNC	977.9
FB- DFW-900	900	36"	885	576	675	203	1170	32	41.3	1.1/2 UNC	1085.8
FB- DFW-1000	1000	40"	965	640	720	216	1290	36	41.3	1.1/2 UNC	1200.2
FB- DFW-1200	1200	48"	1170	750	865	254	1510	44	41.3	1.1/2 UNC	1422.4



## Standard

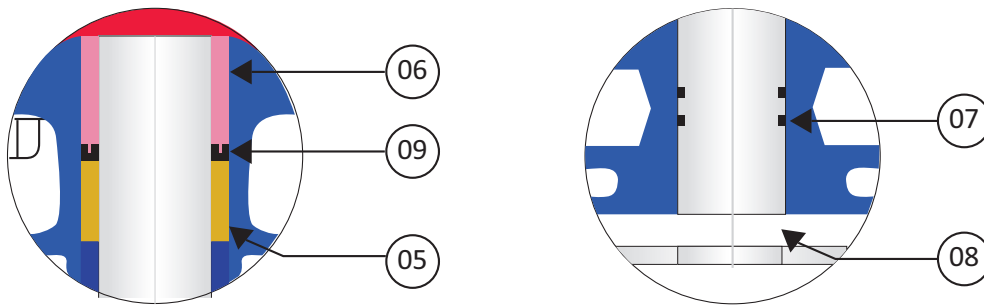
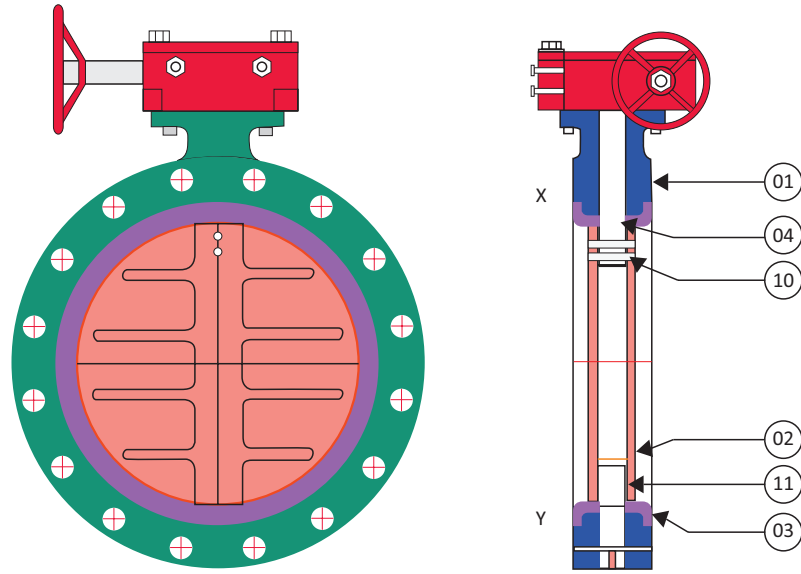
<b>Design and Manufacturing</b>	: API 609 category A / IS : 13095 / BS EN 593
<b>Valve Face to Face Dimensions</b>	: Short Wafer as per ISO 5752 TAB 5 / API 609 Category A / ISO 5752 TAB 1 (BS 5155)
<b>Flange Standard Conformity</b>	: ASME B16.5 / ASMI B16.47 Class 150, BS 10 TAB D, E & F
<b>Inspection &amp; Testing</b>	: API 598 / BS EN 12266-1
<b>Top Flange Drilling</b>	: ISO 5211

TEST PRESSURE		
TESTING	BODY	SEAT
HYDRAULIC	16 KG/CM <sup>2</sup>	10 KG/CM <sup>2</sup>



No.	Description	Material	Qty.
1	Body	ASTM - A126 Grade B (Gry Iron)	1
		ASTM - A216 Grade WCB   Cast Steel	
		ASTM - A536 Grade 65-45-12 (Ductile Iron)	
		ASTM - A351 Grade CF8 / CF8M / CF3M / CD4MCuN	
2	Disc	ASTM - A126 Grade B (Gry Iron) + Powder Coated	1
		ASTM - A216 Grade WCB (Cast Steel) + Powder Coated	
		ASTM - A536 Grade 65 - 45 - 12 (Ductile Iron) + Powder Coated	
		ASTM - A531 Grade CF8 / CF8M / CF3M / CD4MCuN	
	S.G. Iron with Teflon / Powder / Nylon Coated & Rubber Line		
3	Seat	Nitrile / EPDM / Viton / Hypalon / Silicone / Neopren	1
4	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L	1
5	Bering Bush	Metal Bush PTFE Coated	2
6	Bush	PTFE ( Teflon)	1
7	'O'- Ring	Nitrile / EPDM / Viton / Hypalon / Silicone / Neopren	2
8	Dowel Pin	M.S. / AISI 410 / AISI 304 / AISI 316 / AISI 316L	1
9	Bottom Pin	AISI 410 / AISI 304 / AISI 316 / AISI 316L	1





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8	Dowel Pin	M.S. / AISI 410 / AISI 304 / AISI 316 / AISI 316L	1
9	'V' Seal	Nitrile / EPDM / Viton / Hypalon / Silicone / Neopren	1
10	Taper Pin	AISI 410 / AISI 304 / AISI 316 / AISI 316L	2
11	Bottom Pin	AISI 304 / AISI 316 / AISI 316L	1

