

		WAFER			LUG			LUG			LUG		
Fig No.	Item	139			140			142			143		
Material and Working Pressure Appearance		See(8) Material and Working Pressure											
Dimension		L	H	W	L	H	W	L	H	W	L	H	W
2 inch	50mm	43	193	162	43	198	150	43	193	162	43	198	150
2 1/2	65	46	207	267	46	212	150	46	207	267	46	212	150
3	80	46	213	267	46	218	150	46	213	267	46	218	150
4	100	52	232	267	52	237	150	52	232	267	52	237	150
5	125	56	245	267	56	250	150	56	245	267	56	250	150
6	150	56	258	267	56	263	150	56	258	267	56	263	150
8	200	60	305	361	60	305	300	60	305	361	60	305	300
10	250				68	336	300				68	336	300
12	300				78	380	300				78	380	300
14	350				78	411	300				78	411	300
16	400				102	463	300				102	463	300
18	450				114	485	400				114	485	400
20	500				127	557	300				127	557	300

●TG-Series Butterfly Valve...

- (1) Basic Standard Conforming to JIS B2032(Centric disc &, Shaft positic)
- (2) Face to Face Dimensions Conforming to JIS B2002, ISO 5752-S and BS EN558-1
- (3) Flange Connections Available for JIS-5k · 10k, ASME-125Lb · 150Lb.,BS-PN16
(Please clarify Flange std.on order stage)
JIS-5k is not available for size 350mm and larger
- (4) Design of Connections Wafer and Lug
- (5) Size 50~500mm
- (6) Seat Liner Type for easy maintenance(Not suitable for vacuum)
- (7) Coating Powder Epoxy Coating(Blue Color)
- (8) Material and Working Pressure

Item No.	Parts Material				Working Pressure
	Body	Disc	Seat	Shaft	
TG-1	Cast Iron (Ductile Iron for BS-PN16 size 350mm and larger)	Ductile Iron +Ni-Plated	EPDM	431 S/Steel	Size 300mm & below : 1.18MPa Size 350mm & above : 0.98MPa (1.57MPa for BS-PN16)
TG-2		NBR			
TG-3		304 S/Steel	EPDM		
TG-4		NBR			
TG-5		316 S/Steel	EPDM	431 S/Steel	
TG-6		NBR			
TG-7		ALBC	EPDM		
TG-8		NBR			

(9) Working Temperature

Seat Material	
NBR	EPDM
0~80°C	-10~120°C

- (10) Dewdrops-Proof Insulation is attached between body and actuator on request
- (11) Long Neck Type Sufficient space for insulation

		WAFER			LUG			FLANGED								
Fig No.	Item	229			230			231			232			233		
Material and Working Pressure Appearance		See(7) Material and Working Pressure														
Designation		L	H	W	L	H	W	L	H	W	L	H	W	L	H	W
1 1/2 inch	40mm	33	181	200	33	157	150	33	181	200	33	157	150			
2	50	43	204	200	43	180	150	43	204	200	43	180	150			
2 1/2	65	46	216	200	46	192	150	46	216	200	46	192	150			
3	80	46	223	200	46	199	150	46	223	200	46	199	150			
4	100	52	242	200	52	218	150	52	242	200	52	218	150			
5	125	56	258	250	56	234	150	56	258	250	56	234	150			
6	150	56	271	250	56	247	150	56	271	250	56	247	150			
8	200	60	308	355	60	282	200	60	308	355	60	282	200			
10	250	68	354	355	68	328	200	68	354	355	68	328	200			
12	300	78	377	355	78	351	200	78	377	355	78	351	200			
14	350				78	370	310				78	370	310			
16	400				102	402	310				102	402	310			
18	450				114	445	400				114	445	400			
20	500				127	479	400				127	479	400	160	479	400
24	600				154	548	400				154	548	400	170	548	400
28	700													165	589	400
30	750													190	713	400
32	800													190	744	400
36	900													203	805	400

●VF-Series Butterfly Valve...

- (1) Basic Standard Conforming to JIS B2032(Centric disc &, Shaft position)
- (2) Face to Face Dimensions Conforming to JIS 2002, ISO 5752-s and BS EN558-1
- (3) Flange Connections Available for JIS-10k, ASME-125Lb · 150Lb.,BS-PN16 (Please clarify Flange Std.on order stage)
- (4) Design of Connections Wafer, Lug and Flange Type
- (5) Size 40~900mm
- (6) Seat Liner Type for easy maintenance(Not suitable for vacuum)
- (7) Material and Working Pressure

Material No.	Parts Material				Working Pressure
	Body	Disc	Seat	Shaft	
VFW-1, VFL-1, VFF-1	Cast Iron	Ductile Iron +Nylon11	EPDM	410 S/Steel	Size 300mm & below:1.57MPa Size 350mm & above:0.98MPa
VFW-2, VFL-2, VFF-2		NBR			
VFW-3, VFL-3, VFF-3		304 S/Steel	EPDM	304 S/Steel	
VFW-4, VFL-4, VFF-4		NBR			
VFW-5, VFL-5, VFF-5		316 S/Steel	EPDM	316 S/Steel	
VFW-6, VFL-6, VFF-6		NBR			
VFW-7, VFL-7, VFF-7	Ductile Iron	Ductile Iron +Nylon11	EPDM	410 S/Steel	
VFW-8, VFL-8, VFF-8		NBR			
VFW-9, VFL-9, VFF-9		304S/Steel	EPDM	304 S/Steel	
VFW-10, VFL-10, VFF-10		NBR			
VFW-11, VFL-11, VFF-11		316 S/Steel	EPDM	316 S/Steel	
VFW-12, VFL-12, VFF-12		NBR			
VFW-13, VFL-13, VFF-13	304 S/Steel	304S/Steel	EPDM	304 S/Steel	
VFW-14, VFL-14, VFF-14		NBR			
VFW-15, VFL-15, VFF-15		316 S/Steel	EPDM	316 S/Steel	
VFW-16, VFL-16, VFF-16		NBR			

(8) Working Temperature

Seat Material					
NBR	EPDM	CR	SILICON	HYPALON	VITON
0~80°C	-10~120°C	0~80°C	-20~180°C	-20~135°C	-18~204°C

(9) Available for Pneumatic and Electric Ope. Type

BUTTERFLY VALVE

BUTTERFLY VALVE