

JFS

BEIJING JOINT FLOW SYSTEM CO.



BUTTERFLY VALVE



CONCENTRIC LINED BUTTERFLY VALVE

APPLICATION

Rubber-lined butterfly valve is a kind of valve with thick polymer lining on the body and disc, which makes the body completely isolate from medium and provides excellent anti-corrosive performance.

It is designed as a device to shut-off or regulate the working medium flow and installed in pipelines or vessels with medium of acid, alkali, salt and oxidant, reducing agent, organic solvent in chemical, petroleum, pharmacy, food, iron and steel smelting, paper making, water plant etc.

FEATURE

- Splined, squared or key shaped disc/shaft connection internally in disc, resulting in a unique construction without any elements in contact with the line media. This unique construction eliminates the risk for corrosion of connecting elements, as well as leakage along the disc pins.
- Zero leakage in air tight test, perfect sealing in bi-directional.
- Easy dismantle and maintenance.
- Various of material choice for sealing ring suitable for different working conditions.
- Worm gear, Electric actuator and Pneumatic Actuator operated can be available.
- High solid coating on body ensuring excellent corrosion resistance.
- Available in wafer, lugged, and double flanged styles



TEST DATA

Nominal Diameter DN (mm)	50-1400	50-1200	50-100	2"-48"
Nominal Pressure PN (MPa)	0.6	1.0	1.6	150 lb
Hydraulic Shell Test Pressure (MPa)	0.9	1.5	2.4	3.0
Hydraulic Seal Test Pressure (MPa)	0.66	1.1	1.76	2.2
Temperature (°C)	≤150			

*More test specifications are available on request.

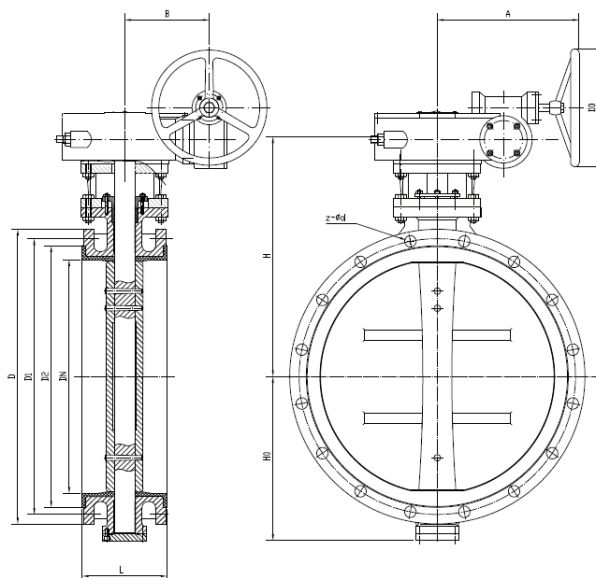
MATERIAL SPECIFICATION

Parts Name	Body and Disc	Shaft/Pin	Seat	Packing/O-ring
Material	Cast Iron / Ductile Iron	Stainless Steel	NBR / EPDM	NBR / EPDM
	WCB / S.S.		PTFE / VITON	PTFE / VITON

*More material specifications are available on request.

CONCENTRIC LINED BUTTERFLY VALVE

DIMENSION (Flange Type / PN≤1.6MPa & 150 lb)



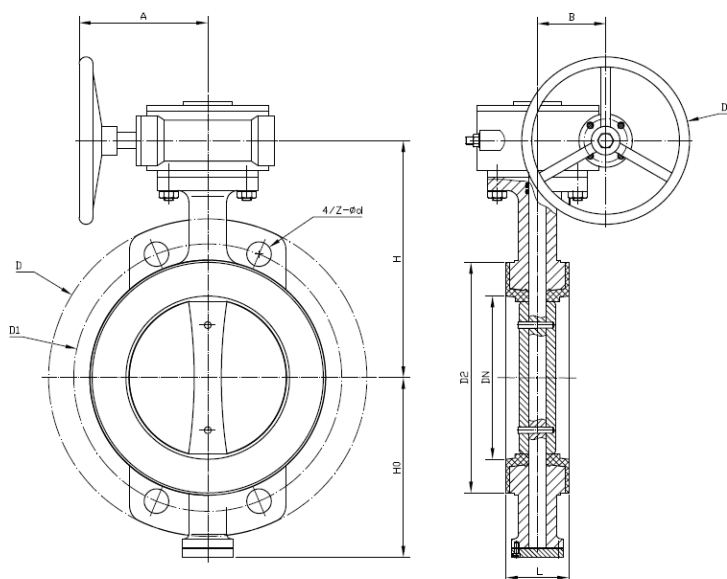
DN (mm)	NPS (inch)	L	H ₀	H	A	B	D ₀	Est. Weight (kg)
50	2	108	80	190	180	50	150	15
80	3	114	96	210	180	50	150	21
100	4	127	115	230	180	50	150	27
150	6	140	140	260	185	63	305	60
200	8	152	175	390	185	63	305	85
250	10	165	202	330	215	80	305	110
300	12	178	242	370	215	80	406	142
350	14	190	266	400	215	80	406	200
400	16	216	298	440	245	125	300	210
450	18	222	315	460	245	125	300	240
500	20	229	345	480	245	125	300	275
600	24	267	400	540	390	242	400	350
700	28	292	520	610	390	242	500	620
800	32	318	591	660	420	262	400	750
900	36	330	660	730	420	262	400	985
1000	40	410	670	780	550	325	500	1250
1200	48	470	780	880	550	325	500	1885
1400	56	530	890	980	600	362	500	2760

*Flange dimensions (D, D₁, D₂, z-Φd) refer to Catalogue of Accessory: Series 8 – Flange.

*More dimension specifications are available on request.

CONCENTRIC LINED BUTTERFLY VALVE

DIMENSION (Wafer / PN≤1.6MPa & 150 lb)



DN (mm)	NPS (inch)	L	H ₀	H	A	B	D ₀	Est. Weight (kg)
50	2	43	80	190	180	50	150	4
80	3	46	96	210	180	50	150	6
100	4	52	115	230	180	50	150	8
150	6	56	140	260	185	63	305	13
200	8	60	175	390	185	63	305	28
250	10	68	202	330	215	80	305	40
300	12	78	242	370	215	80	406	54
350	14	78	266	400	215	80	406	70
400	16	102	298	440	245	125	300	111
450	18	114	315	460	245	125	300	136
500	20	127	345	480	245	125	300	193
600	24	154	400	540	390	242	400	304
700	28	165	520	610	390	242	500	340
800	32	190	591	660	420	262	400	480
900	36	203	660	730	420	262	400	590
1000	40	216	670	780	550	325	500	770
1200	48	254	780	880	550	325	500	1030
1400	56	279	890	980	600	362	500	1540

*Flange dimensions (D, D₁, D₂, z-Φd) refer to Catalogue of Accessory: Series 8 – Flange.

*More dimension specifications are available on request.