

BUTTERFLY VALVES



TRIPLE OFFSET
BUTTERFLY VALVE

Unmatched Performance

Low Torque

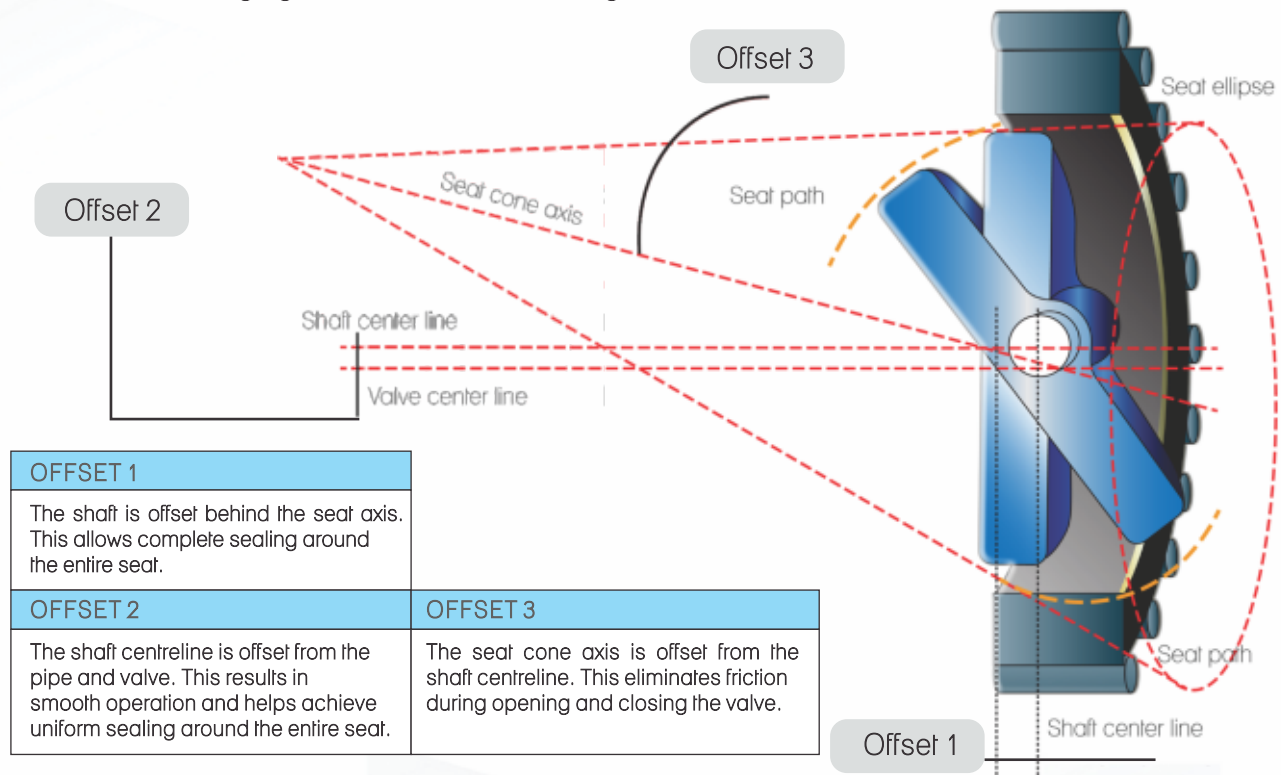
Maintenance Free



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WORKING PRINCIPLE

The geometry of design of the triple offset butterfly valve ensures that the disc seat contacts the body seat only at the final shut-off position without rubbing. This provides for a torque oriented resilient seal with sufficient wedging to enable uniform sealing.



OFFSET 1

The shaft is offset behind the seat axis. This allows complete sealing around the entire seat.

OFFSET 2

The shaft centreline is offset from the pipe and valve. This results in smooth operation and helps achieve uniform sealing around the entire seat.

OFFSET 3

The seat cone axis is offset from the shaft centreline. This eliminates friction during opening and closing the valve.

FEATURES

- Anti-static by design
- Self-centering disc prevents binding due to thermal shaft expansion
- Easy maintenance and In-line service.
- Very low operating costs in comparison to other valve designs
- Tight shut-off. Bubble tight sealing without rubbing or galling

SIZE RANGE

Wafer Ends	3" to 24"
Lugged Ends	3" to 24"
Flanged Ends	3" to 24"

*For size range above 24" please consult factory

STANDARDS

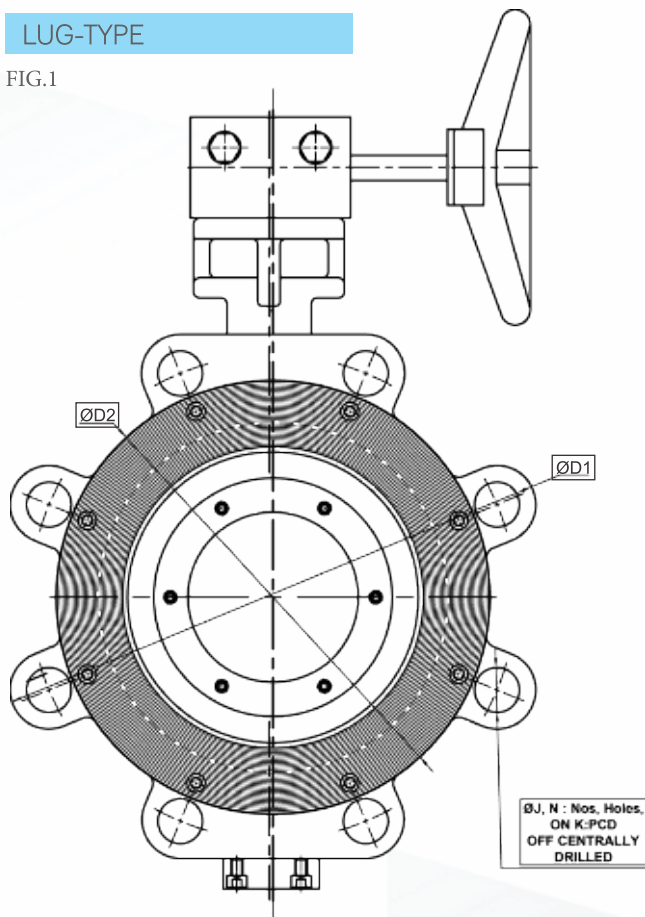
Design & Manufacturing	API 609 / BS EN 593 / AWWA C 504
Testing Standard	API 598 / BS EN 12266 / AWWA C 504 / ISO 5208
Flange Conformity	ANSI B 16.5 / 150 Class / 300 Class / BS 4504 / AWWA C 207
Top Mounting Standard	ISO 5211
Stem Square Drive	ISO 5211

*For choice of materials and high pressure requirements please consult factory

PERFORMANCE SPECIFICATIONS

LUG-TYPE

FIG.1



WAFFER-TYPE

FIG.2

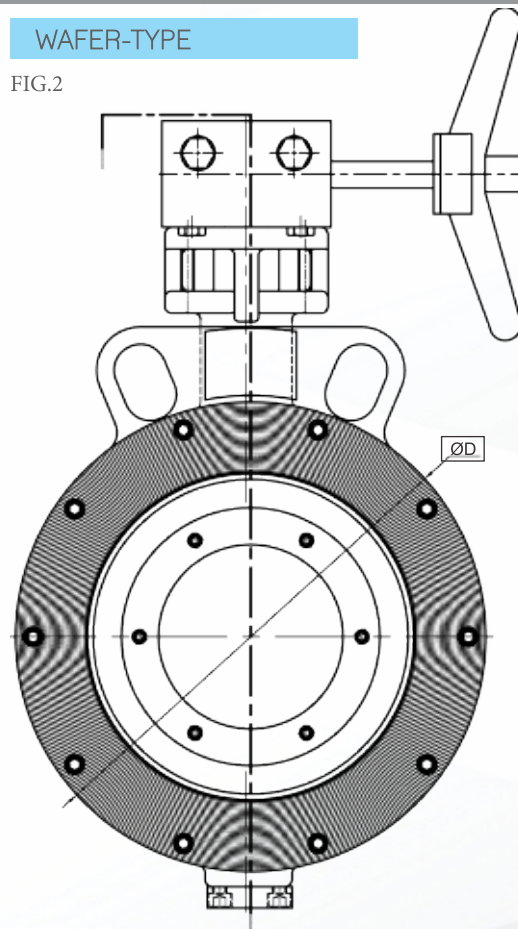


FIG.1 Dimensional details

SIZE		L		ØD1		ØD2		ØJ		N	PCD	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		mm	inch
40	1.6	42	1.68	125	5	80	3.2	15	0.6	04	90	3.96
50	2	45	1.8	150	6	92.1	3.684	19.05	0.78	04	120.7	4.828
60	3	48	1.92	190	7.6	127	5.08	19.05	0.78	04	152.4	6.096
100	4	48	1.92	230	9.2	157.2	6.268	19.05	0.78	08	130.6	7.62
125	5	57	2.28	255	10.2	185.7	7.428	22.2	0.888	08	215.9	8.636
150	6	57	2.28	280	11.2	215.9	8.636	22.2	0.888	08	241.3	9.976
200	8	64	2.56	345	13.8	269.9	10.796	22.2	0.888	08	239.5	11.94
250	10	72	2.88	405	16.2	328	12.952	25.4	1.016	12	362	14.48
300	12	81	3.24	485	19.4	381	15.24	25.4	1.016	12	431.8	17.272
350	14	92	3.68	535	21.4	412.8	16.512	28.6	1.144	12	478.3	19.052
400	16	102	4.08	595	23.8	469.9	18.796	28.6	1.144	16	539.8	21.592
450	18	114	4.56	635	25.4	533.1	21.336	31.75	1.27	16	577.9	23.116
500	20	127	5.08	635	28	584.2	23.368	31.75	1.27	20	635	25.4
600	24	151	6.16	815	32.6	692.2	27.688	34.9	1.396	20	719.3	29.972

FIG.2 Dimensional details

SIZE		L		ØD		ØE	
mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	42	1.68	82	3.28	38	1.52
50	2	45	1.8	95.5	3.82	51	2.04
60	3	48	1.92	126	5.04	72	2.86
100	4	48	1.92	158	6.32	100	4
125	5	57	2.28	186	7.44	125	5
150	6	57	2.28	216	8.64	150	6
200	8	64	2.56	270	10.8	200	8
250	10	72	2.88	325	13	250	10
300	12	81	3.24	381	15.24	300	12
350	14	92	3.68	412	16.48	350	14
400	16	102	4.08	472	18.88	400	16
450	18	114	4.56	532	21.28	450	18
500	20	127	5.08	584	23.36	500	20
600	24	151	6.16	692.2	27.688	593	23.2

Please consult factory for Double Flanged valve dimensions. L = Width (F2F)

BUTTERFLY VALVES



WITH PNEUMATIC ACTUATOR



WITH GEAR BOX



MANUFACTURING FACILITY AT CARY IL USA.

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