

# BUTTERFLY VALVE

## INTRODUCTION:

The FLOCON INDUSTRIES Butterfly Valve is a reliable, hygienic in-line valve for routing low and medium-viscosity liquids in stainless steel pipe systems due to its substantial opening area and low flow resistance. The Butterfly Valve is available with a standard handle for manual operation.



## WORKING PRINCIPLE:

The Flocon Industries Butterfly Valve can be operated manually by means of a handle. A handle mechanically locks the valve in open or closed position. Flocon Provides a total of Four-position locking and regulating 90°-position handles.

## STANDARD DESIGN:

The Butterfly Valve consists of two valve body, valve disc, and bushings for the disc stem and a seal ring. These components are assembled by means of screws and nuts. The valve comes with standard Triclover ends, SMS union ends and Butt weld ends. A handle for manual operation is fitted onto the valve by means of a cap/block system and a screw.

## DESIGN CODE:

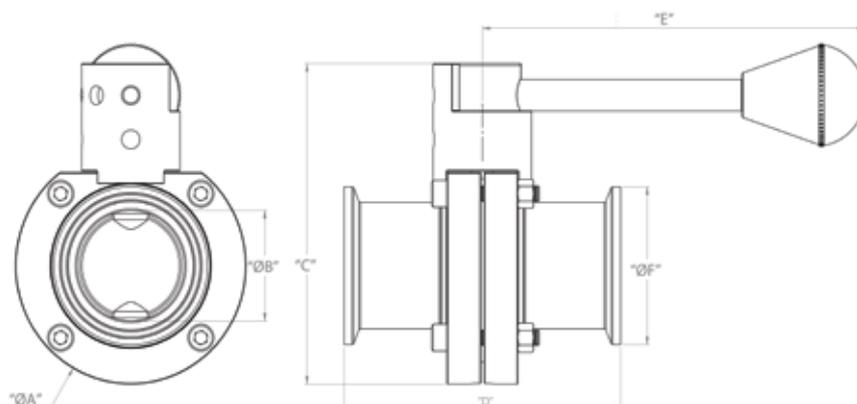
Confirming to ASME  
B16 / ASME BPE &  
Equiv Standards.

## BENEFITS:

- Reliable full-flow performance.
- Versatile, highly modular, hygienic design
- Versatile operation manual control
- Reliable, cost-effective performance
- Easy to clean

## APPLICATION:

The Flocon Industries hygienic Butterfly valve is designed for on-off duties with low to medium-viscosity liquids in hygienic applications across the dairy, food, beverage, brewery and many other industries.



## TECHNICAL SPECIFICATION:

Size	1" to 4" OD
Max. Operating Pressure	10 Bar
Max. Operating Temperature	140°C
Material of Construction	SS304, SS316L
Seat	Silicon / EPDM Food Grade
Surface Finish Internally	Ra <0.4 µm
External Finish Internally	Ra <0.8 µm

### BUTTERFLY VALVE TC END

Size	A	B	C	D	E	F
	FLANGE OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	TC OD
1"	80	22	108	80	125	50.5
1/5"	76	34.8	105	86	125	50.5
2"	100	47.6	125	94	155	64
2.5"	117	60	145	91	155	77.5
3"	132	72	156	108	165	91
4"	169	98	196	120	165	119

### BUTTERFLY VALVE BUTT WELD END

Size	A	B	C	D	E	F
	FLANGE OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	PIPE OD
1"	80	22	108	80	125	25.4
1.5"	76	34.8	105	86	125	8.1
2"	100	47.6	125	94	155	50.8
2.5"	117	60	145	91	155	63.5
3"	132	72	156	108	165	76.2
4"	169	98	196	120	165	101.6

### BUTTERFLY VALVE SMS NUT END

Size	A	B	C	D	E	F
	FLANGE OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	SMS MALE PART
1"	80	22	108	80	125	40
1.5"	76	34.8	105	86	125	60
2"	100	47.6	125	94	155	70
2.5"	117	60	145	91	155	85
3"	132	72	156	108	165	98
4"	169	98	196	120	165	132

## PART LIST

Item No.	Part Name	MOC	Qty
1	Retainer	SS316L / SS304	2 nos.
2	Disc	SS316L / SS304	1 no.
3	Gasket	Silicon / EPDM	1 no.
4	Rotary Head	SS304	1 no.
5	Handle	SS304	1 no.
6	Coat	SS304	1 no.
7	Handle Knob	Plastic ABS	1 no.
8	Bolts	SS304	4 nos.
9	Hex Nut	SS304	4 nos.
10	Spring	SS304	1 no.

