



## BFY Series Sanitary Butterfly Valves



The BFY series Sanitary Butterfly Valves are full port, 316L stainless steel, butterfly valves with Tri-Clamp or butt weld connections. They are equipped with a 304 SS manual handle with an 13-position locking device. They are ideal for use in dairy and brewing applications.

### FEATURES

- ASTM 316L grade stainless steel body
- Surface finish meets 3-A, FDA & USDA standards
- 316L mirror finish disc provides an even flow preventing obstructions and restrictions
- Opposing body bolt design prevents loosening between body sections due to vibration and operation, and provides positive sealing
- Bolting is flush with body surface
- FDA approved available options: silicone, EPDM and VITON®
- 13-position, 304SS, spring loaded lever lock handle
- Suitable for actuation with pneumatic, electric, or canister actuators

### END CONNECTIONS

Tri-Clamp: 1/2" to 6"

Butt Weld: 1/2" to 6"

### MAX. PRESSURE

110 PSI

### MAX. TEMPERATURE

200°F

### TYPICAL APPLICATIONS

- Food & Beverage
- Brewing, Distilling, and Wine Making
- Dairy
- Pharmaceuticals
- Chemical Processing
- Water Filtration
- Textile Dyeing & Drying
- Flavor and Fragrance
- Ink & Paint





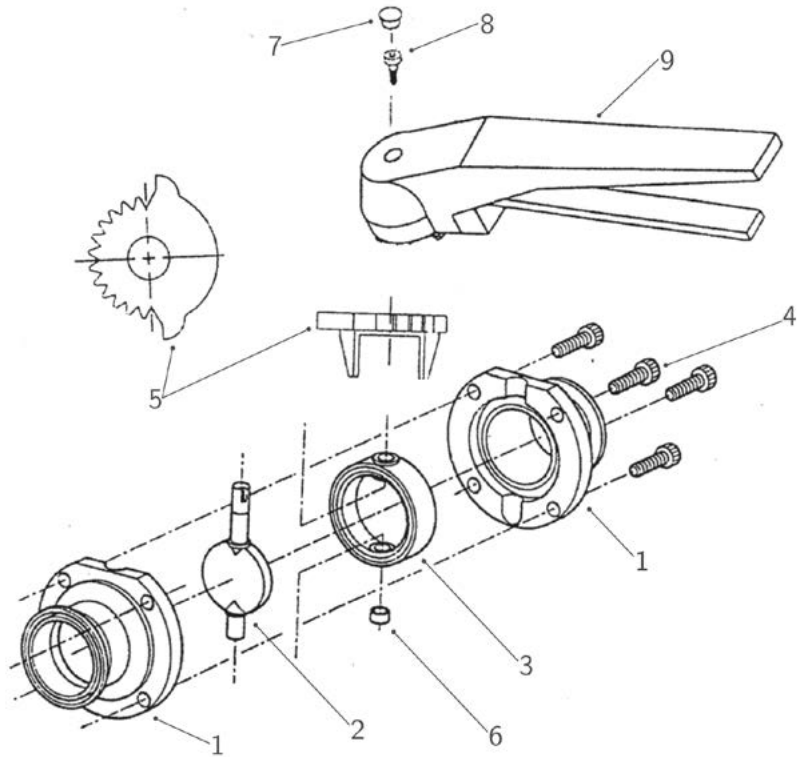
## BFY Series



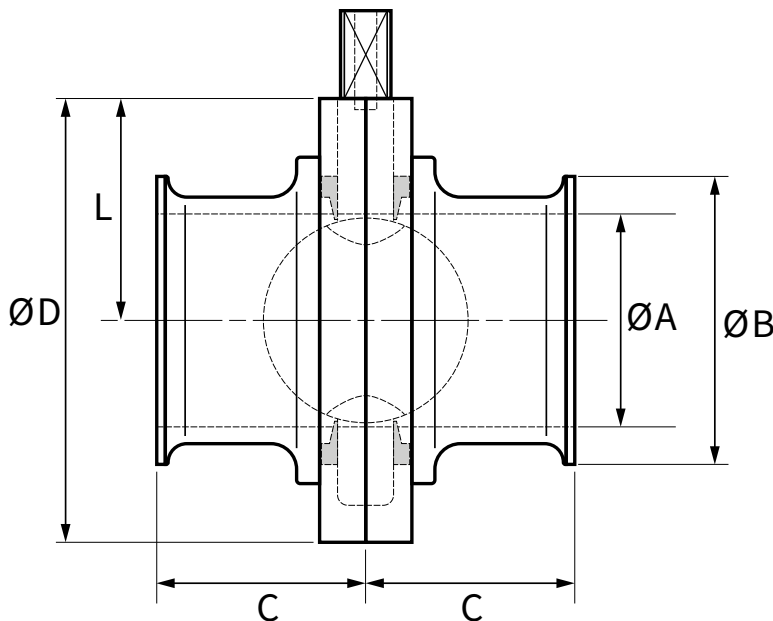
## Sanitary Butterfly Valves

### CONSTRUCTION

Item	Part (Qty.)	Material	
1	Body Half	2	316L SS
2	Disc	1	316L SS
3	Seat	1	Silicone/EPDM/Viton
4	Body Bolts	4	304 SS
5	Notch Plate	1	316 SS
6	Body Cap	1	BUNA-N
7	Handle Cap	1	BUNA-N
8	Handle Screw	1	304 SS
9	Handle	1	304 SS



### DIMENSIONS



Size	ØA	ØB	C	ØD	L
1/2"	0.365	1.00	1.75	3.10	2.16
3/4"	0.620	1.00	1.75	3.10	2.16
1"	0.867	1.985	1.75	3.11	2.40
1 1/2"	1.37	1.985	1.75	3.35	2.53
2"	1.868	2.51	1.87	4.13	2.93
2 1/2"	2.364	3.05	1.91	4.41	3.06
3"	2.87	3.57	2.03	4.92	3.32
4"	3.87	4.68	2.39	6.18	4.00
6"	5.75	6.60	3.00	8.20	6.35



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## Sanitary Butterfly Valves

### SANITARY BUTTERFLY VALVE ORDERING



#### VALVE BODY

Size:

- C = 1/2"      I = 2 1/2"
- D = 3/4"      J = 3"
- E = 1"        K = 4"
- G = 1 1/2"    M = 6"
- H = 2"

Series:

- BFY = Sanitary Butterfly Valve

End Connections:

- C = Tri-clamp
- B = Butt-weld

Body Material:

- S = 316L stainless steel

Seat Material:

- E = EPDM
- S = Silicone
- V = Viton®

#### ACTUATOR

##### Pneumatic Actuators

Series:

- P = P series Dual Scotch Yoke
- F = F series Dual Rack & Pinion

Supply Air Pressure:

- 6 = 60psi      8 = 80psi

Function:

- S = spring return      D = double acting

Fail Safe Position:

- C = fail to CLOSED      O = fail to OPEN
- omit for direct acting*

##### Electric Actuators

Series:

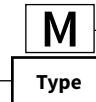
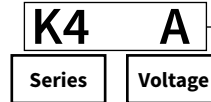
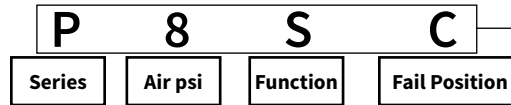
- V4 = weatherproof; Low cost industrial (*only up to 2 1/2"*)
- R4 = weatherproof; general duty construction (*only up to 4"*)
- S4UV = weatherproof; universal voltage
- K4 = weatherproof; worm gear
- B7 = Heavy duty explosion proof

Voltage:

- A = 120VAC    B = 24VDC    F = 12VDC (*omit for S4UV*)

##### Manual Lever

- M = 13-position spring-loaded locking handle



Note: only one actuator may be chosen

Code continues to specify additional accessories and options

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