

# Two-Piece Sanitary Butterfly Valve

Fig. 3552/3572

## Applications

The two-piece butterfly valve is a sanitary series designed for manual or automatic operation, suitable for regulating medium flow in stainless steel pipeline systems compliant with ISO, DIN, IDF, SMS, and 3A standards.

Widely used in dairy, beer, beverage, juice, pharmaceutical engineering, and liquid-cooled data centers.

## Working Principle

Operation: Lever handle or duckbill handle; also via electric or pneumatic actuator for remote control.

Actuators rotate the valve shaft 90° for flow regulation or on/off control.

Lever Handle: Mechanically locks the valve in 4 positions (including open/close) via four multi-functional positioning holes.

Duckbill Handle: Locks the valve in 12 positions (including open/close) at 15° intervals via positioning disc.

## Technical parameters

Working Pressure: 10 bar

Sizes:ISO/SMS/3A: 1" to 4"

DIN: DN20 to DN150

(Other sizes available upon request)

Working Temperature: -10°C to +100°C

(dependent on seal material)

## Schematic



## Material

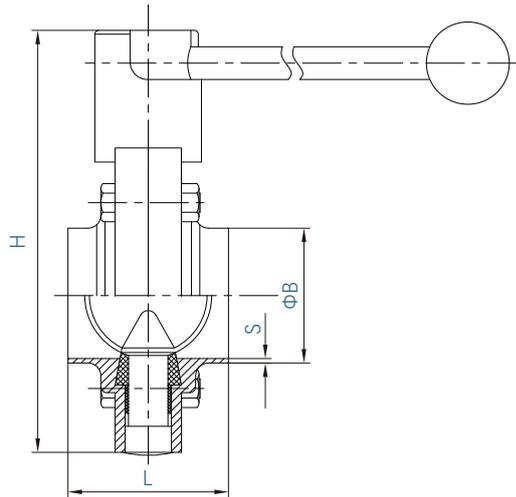
Part	Material	Standard
Body	Stainless steel	SUS304/SUS316L
Valve plate	Stainless steel	SUS304/SUS316L
Seal	Rubber	VQM、FPM、EPDM
Handle	Stainless steel	SS304

WARCO reserves the right to change dimensions without notice.

## Two-Piece Sanitary Butterfly Valve

Fig. 3552

### Drawings



### Dimensions

### ISO

Size	S	B	L	H
33.7	2	33.7	50	120
42.4	2	42.4	50	130
48.3	2	48.3	52	150
60.3	2	60.3	56	170
76.1	2.3	76.1	60	188
88.9	2.3	88.9	60	208
114.3	2.6	114.3	85	208

### Dimensions

### DIN

Size	S	B	L	H
		series1/series2		
DN25	1.5	28/29	50	120
DN32	1.5	34/35	50	125
DN40	1.5	40/41	50	131
DN50	1.5	52/52	52	150
DN65	2	70	56	170
DN80	2	85	60	188
DN100	2	104	75	208
DN125	2	129	85	237
DN150	2	154	110	287

### Dimensions

### SMS

Size	S	B	L	H
SMS25	1.25	25	50	120
SMS38	1.25	38	50	130
SMS51	1.25	51	52	150
SMS63.5	1.5	63.5	56	170
SMS76	1.6	76.1	60	188
SMS101.6	2	101.6	75	208

### Dimensions

### 3A

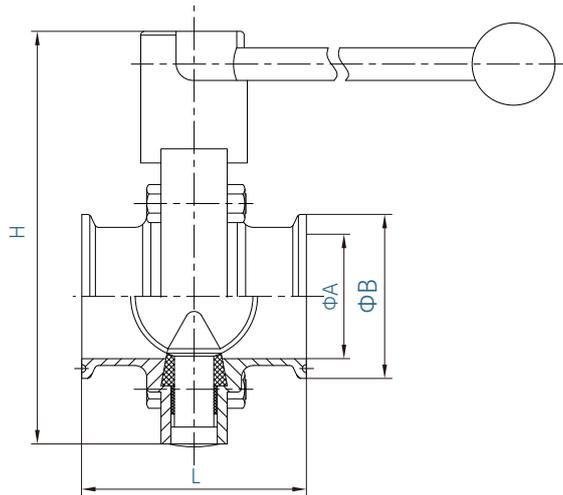
Size	S	B	L	H
1"	1.65	25.4	50	120
1 1/2"	1.65	38.1	50	130
2"	1.65	50.8	52	150
2 1/2"	1.65	63.5	56	170
3"	1.65	76.2	60	188
4"	2.11	101.6	75	208

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Fig. 3572

### Drawings



#### Dimensions

#### ISO/SMS/3A

Size	ΦA	ΦB	L	H
1"	22.1	50.5	66	130
1 1/2"	34.8	50.5	66	130
2"	47.5	64	70	140
2 1/2"	60.2	77.5	76	170
3"	72.9	91	76	170
3 1/2"	85	106	85	170
4"	97.4	119	90	208

#### Dimensions

#### DIN

Size	ΦA	ΦB	L	H
DN20	20	34	66	120
DN25	26	50.5	66	120
DN32	32	50.5	66	125
DN40	38	50.5	70	130
DN50	50	64	70	150
DN65	66	91	72	170
DN80	81	106	85	188
DN100	100	119	90	208
DN125	125	155	100	237
DN150	150	183	110	280

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