

Three-Piece Sanitary Butterfly Valve

Fig. 3553

Applications

A manually or automatically operated sanitary butterfly valve series designed for regulating media flow in ISO, DIN, IDF, SMS, 3A standard stainless steel piping systems.

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: 33.7mm to 114.3mm

DIN: DN25 to DN150

SMS: SMS25 to SMS101.63A: 1" to 4"

(Other sizes available upon request)

Working Temperature: -10°C to +100°C

(dependent on seal material)

Schematic



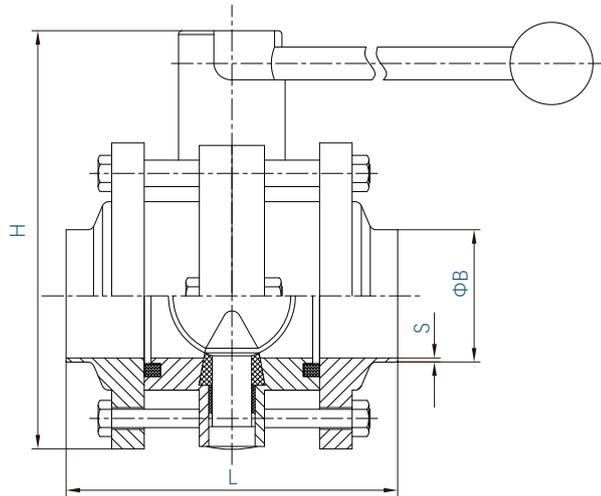
Material

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

Three-Piece Sanitary Butterfly Valve

Fig. 3553

Drawings



Dimensions ISO

Size	S	B	L	H
33.7	2	33.7	90	120
42.4	2	42.4	90	125
48.3	2	48.3	90	130
60.3	2	60.3	105	150
76.1	2.3	76.1	105	188
114.3	2.6	114.3	105	208

Dimensions DIN

Size	S	B	L	H
		series1/series2		
DN25	1.5	28/29	90	120
DN32	1.5	34/35	90	125
DN40	1.5	40/41	90	130
DN50	1.5	52/52	90	150
DN65	2	70	105	170
DN80	2	85	105	188
DN100	2	104	105	208
DN125	2	129	120	237
DN150	2	154	120	287

Dimensions SMS

Size	S	B	L	H
SMS25	1.25	25	90	120
SMS38	1.25	38	90	130
SMS51	1.25	51	90	150
SMS63.5	1.5	63.5	105	170
SMS76	1.6	76.1	105	188
SMS101.6	2	101.6	105	208

Dimensions 3A

Size	S	B	L	H
1"	1.65	25.4	90	120
1 1/2"	1.65	38.1	90	130
2"	1.65	50.8	90	150
2 1/2"	1.65	63.5	105	170
3"	1.65	76.2	105	188
4"	2.11	101.6	105	208

WARCO reserves the right to change dimensions without notice.