

Three-Piece Sanitary Butterfly Valve

Fig. 3553

Stainless steel Body • Geometric Drive • Replaceable Seat
• Welding Type

Sizes 1" through 8"

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.

TECHNICAL DATA

Working Pressure: 10 bar

Sizes:ISO: 33.7mm to 114.3mm

DIN: DN25 to DN150

SMS: SMS25 to SMS101.6

3A: 1" to 4"

(Other sizes available upon request)

Test Pressure: Shell :15bar / Seal :11bar

Working Temperature: -10°C to +100°C

(dependent on seal material)

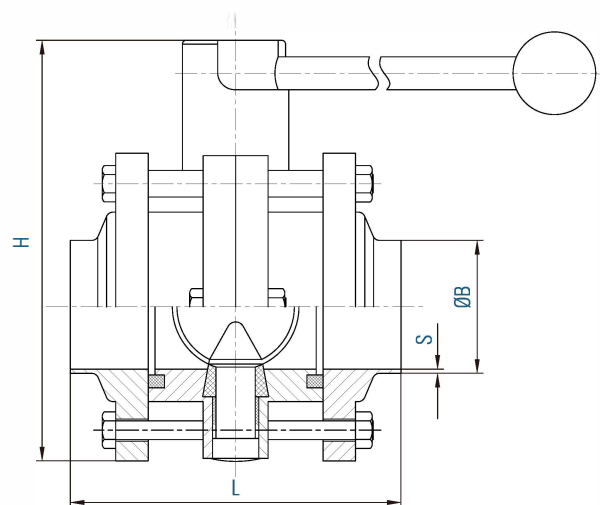
WORKING PRINCIPLE

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.



MATERIAL LIST

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

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Three-Piece Sanitary Butterfly Valve (continued)

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DIMENSIONS

ISO

Size	S	B	L	H
33.7	2	33.7	90	120
42.4	2	42.4	90	130
48.3	2	48.3	90	150
60.3	2	60.3	105	170
76.1	2.3	76.1	105	188
88.9	2.3	88.9	105	208
114.3	2.6	114.3	105	208

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

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	131
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

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

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