

Two-piece hygienic butterfly valve

Fig. 2425/27

Application Description

The two-piece butterfly valve is a hygienic manually operated or self-operated butterfly valve series for ISO, DIN, IDF, SMS, 3A standard stainless steel piping systems for regulating the flow of media.

It is widely used in dairy products, beer, beverages, juices, pharmaceutical engineering, liquid-cooled data centers and other fields.

Working Principle

This two-piece butterfly valve operates via manual lever (4 positions) or duckbill handle (12 positions at 15° intervals), or automated electric/pneumatic actuators. The 90° rotating shaft enables precise flow control or shutoff.

Its robust ISO-compliant design suits industrial applications, offering reliable performance with minimal maintenance while supporting both manual and automated operation.

Technical data

Working pressure: 10 bar

Specification size: ISO/SMS/3A: 1~4

DIN: DN20~DN150

(Other specifications can be customized)

Operating temperature: -10°C~100°C)

Schema



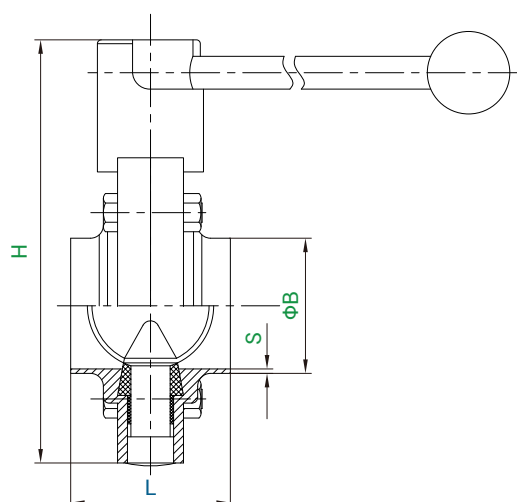
Material

Part	Material	Standard
Body	stainless steel	SUS304/SUS316L
Bonnet	stainless steel	SUS304/SUS316L
Seal	stainless steel	VQM、FPM、EPDM
HandWheel	stainless steel	SS304

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Dimensional drawings



Dimensional

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

Dimensional

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

Dimensional

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

Dimensional

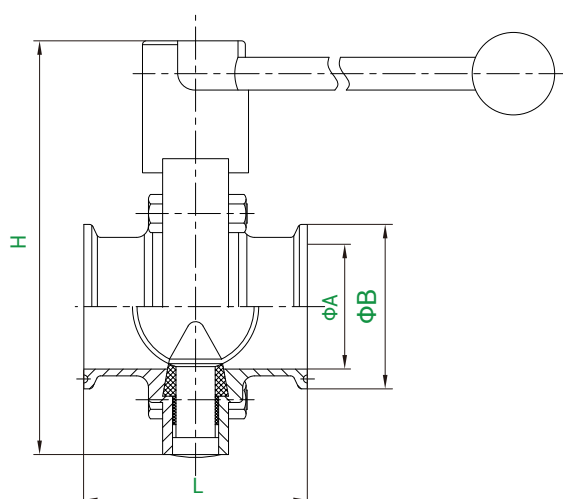
3A

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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Dimensional drawings



Dimensional

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

Dimensional

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