

Two-piece Butterfly Valve

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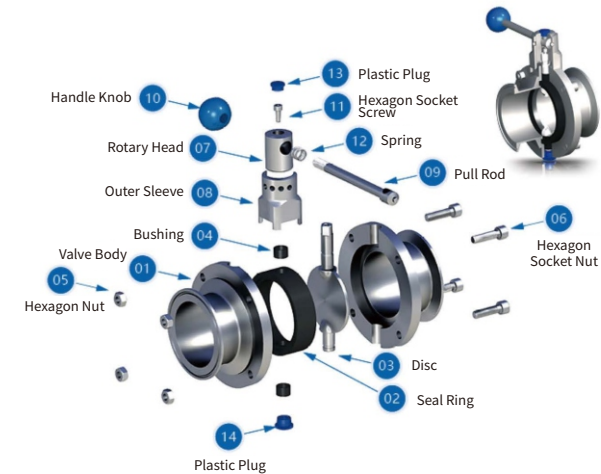
Product Overview

Stainless steel butterfly valves are used to shut off or open the flow of media in pipelines. Welded or sanitary clamp connection options are available, suitable for liquid cooling, water supply and drainage and other sectors.

- Low flow resistance
- Fast opening and closing
- Low operating torque
- Compact size and light weight

Technical Specifications

Nominal Pressure	PN10
Temperature Range	-20°C~100°C
Design Standard	GB/T12238-2008
Connection Standards	3A Standard
Test Standards	GB/T13927-2022
Media	Liquids, gases, oil products, food media and various highly corrosive chemical media



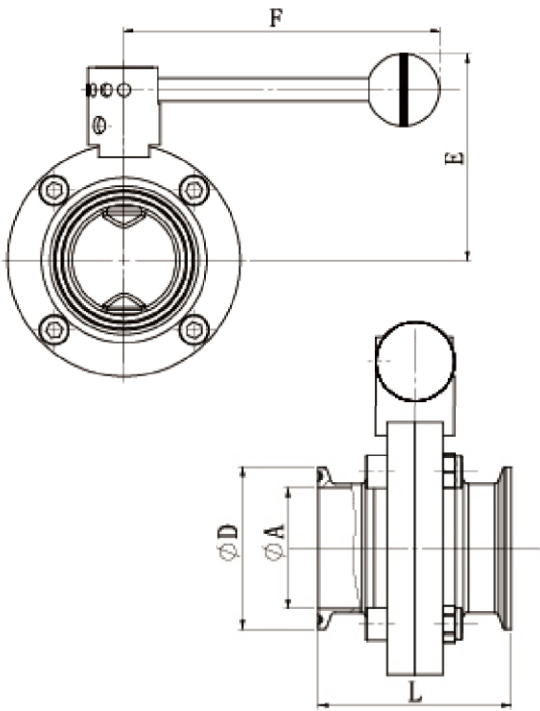
Working Principle

- (1) Butterfly valves can be remotely controlled via actuators or manually operated by handles.
- (2) The actuator converts the axial movement of a piston into 90° rotation of the valve shaft to control pipeline fluid and perform opening/closing functions. There are three types of pneumatic actuator units.
- (3) Standard types: Normally Open (NO), Normally Closed (NC), Air/Air (A/A). The duckbill-style multi-position handle for manual operation can mechanically lock the valve at 12 opening or closing positions via 15-point adjustment to regulate media flow. The pull-rod handle features 3 multi-position settings to mechanically lock the valve at 3 opening or closing positions for media flow regulation.

Main Component Materials

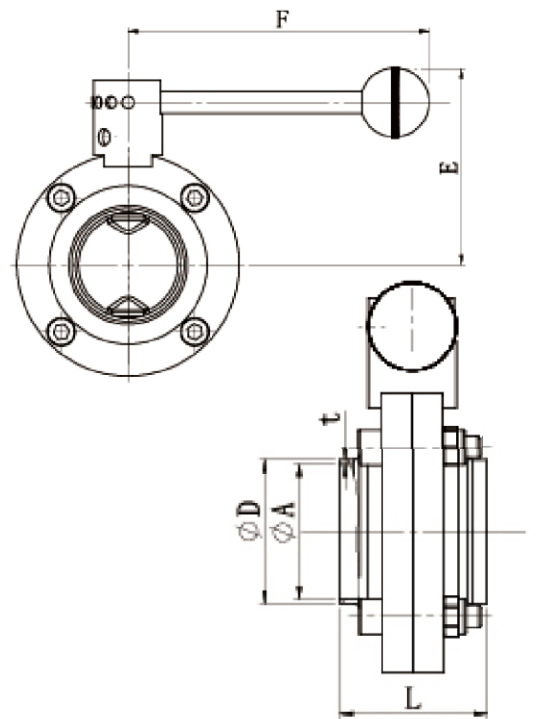
Part Name	Material
Butterfly Valve Body	Stainless Steel
Self-lubricating Bushing	PTFE
Seal Ring	EPDM
Disc	Stainless Steel
Handle	Stainless Steel
Hexagon Socket Bolt	Stainless Steel
Self-locking Nut	Stainless Steel

Dimensions



Clamp Quick-install Two-piece Butterfly Valve ●●●

SIZE	L	ΦD	ΦC	E	F
1/2"	66	25.2	9.4	70	135
3/4"	66	25.2	15.8	75	135
1"	68	50.5	22.1	75	135
1.25"	68	20.5	28.5	75	135
1.5"	70	50.5	34.8	80	135
2"	76	64	47.5	90	135
2.5"	84	77.35	60.2	95	150
3"	84	91	72.9	102	150
4"	92	119	97.4	120	160



Welded Two-piece Butterfly Valve ●●●

SIZE	L	ΦD	ΦC	E	F	t
1/2"	50	12.7	9.4	70	135	1.65
3/4"	50	19.1	15.8	75	135	1.65
1"	50	25.4	22.1	75	135	1.65
1.25"	50	31.8	28.5	75	135	1.65
1.5"	50	38.1	34.8	80	135	1.65
2"	50	50.8	47.5	90	135	1.65
2.5"	56	63.5	60.2	95	150	1.65
3"	56	76.2	72.9	102	150	1.65
4"	60	101.6	97.4	120	160	2.1