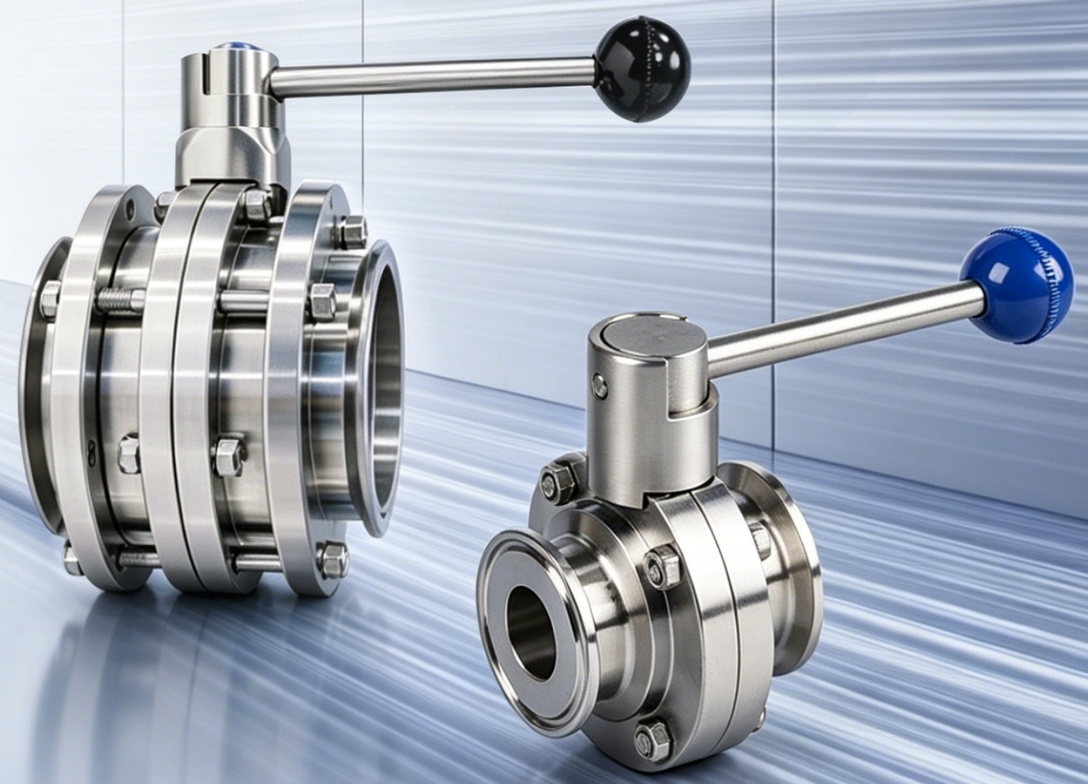
BUTTERFLY VALVE SERIES



"Aortic Valve" for Data Center Cooling Systems

Liquid cooling butterfly valves are key components for energy conservation and consumption reduction. They also serve as core hubs to secure thermal safety and optimize space layout of the system, and are critical for improving overall operating efficiency. Featuring compact structure, low flow resistance, cost-effective performance and precise regulation, liquid cooling butterfly valves are a preferred option for high-flow loops in liquid cooling systems.

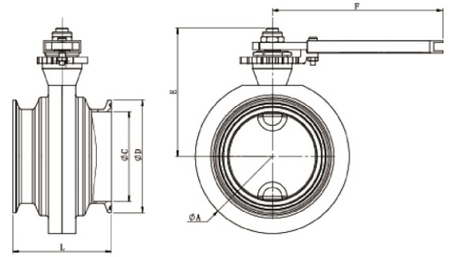
Monobloc Butterfly Valve

Product Overview

- Adopting a monobloc welded construction to eliminate external leakage risks associated with conventional bolted connections
- Triple sealing design
- Reliable and durable, with zero external leakage over a ten-year service life
- Easy maintenance, low operating torque, degreased and oil-free

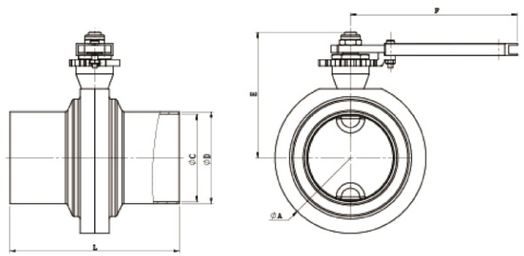


Overall Dimensions



Clamp Quick-install Monobloc Butterfly Valve

SIZE	L	ΦD	ΦC	E	F	ΦA
2"	76	64	47	88	95	93
2.5"	84	77.5	70	95	97	110
3"	84	91	83	104	138	125
4"	82	119	100	126	138	155



Technical Specifications

Nominal Pressure	PN10/PN16
Temperature Range	-40°C~100°C
Connection Standard	Clamp:ASME BPE
	Welded:DIN 11850/ASME
Test Standard	BPEGB/T 13927/API598
Media	Water, liquids with ethylene glycol or propylene glycol concentration ≤50%

Main Component Materials

Part Name	Material
Valve Body	Stainless Steel
Self-lubricating Bushing	PTFE
Seal Ring	EPDM
Disc	Stainless Steel
Stuffing Box	Stainless Steel
Flat Gasket	PTFE
Sealing Ring	Stainless Steel
O-ring	EPDM
Wave Spring	EPDM
Compression Nut	Stainless Steel
Handle	Stainless Steel
Nut	Stainless Steel

Welded Monobloc Butterfly Valve

	SIZE	L	ΦD	ΦC	E	F	ΦA
Handle	1"	120	50.8	47.5	88	95	93
	2.5"	120	63.5	60.2	95	97	110
	3"	140	76.2	72.2	104	138	125
	4"	140	104	100	126	138	155
	5"	200	129	125	156	186	190
Gear Operator	6"	240	152.4	146.8	275	138	208
	8"	320	203.2	197.6	296	140	295