Liquid Cooling Industry Valve Catalog
Three-piece Manual Ball Valve

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Product Overview

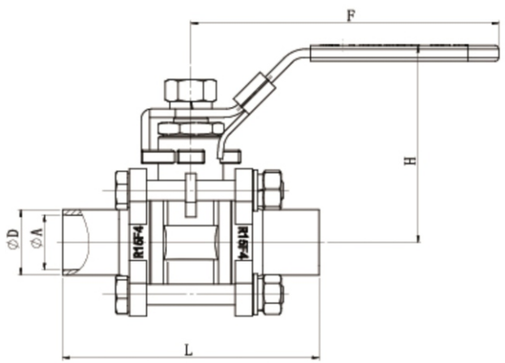
Sanitary three-piece ball valve features simple and convenient operation.The valve stem rotates 90° via handle or actuator to open and close the valve.The valve body is made of stainless steel and the gasket seat uses PTFE for high cleanliness and environmental friendliness.

It adopts full coverage actuation design, no media stagnation and high cleanliness, meeting CIP/SIP cleaning and sterilization requirements.Temperature rating up to 180°C, pressure rating up to 10 bar.

Welded or sanitary clamp connection options are available, suitable for liquid cooling, water supply and drainage and other applications.

- Low flow resistance
- Simple structure
- Easy maintenance
- Easy operation
- Degreased and oil-free





Basic Parameters

Nominal Pressure	PN10
Temperature Range	-40°C~120°C
Connection Standards	ASME B16.34-2023
Test Standards	GB/T 13927-2022
Media	Water, liquids with ethylene glycol or propylene glycol concentration ⩽50%

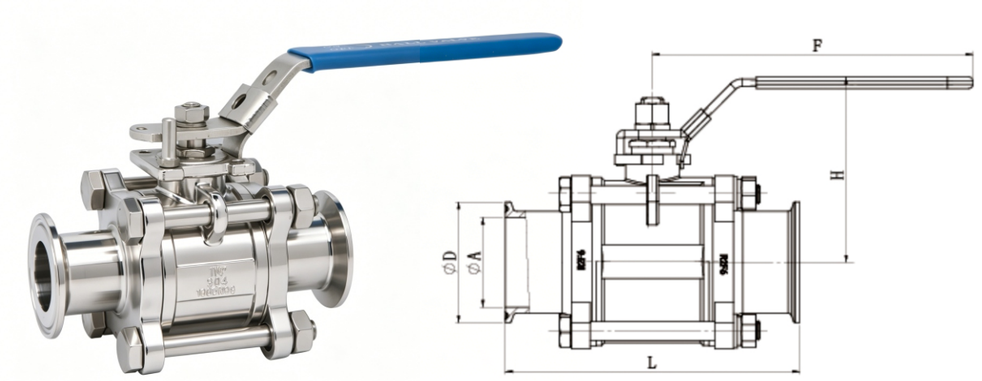
Main Component Materials

Part Name	Material
Ball Valve Bonnet	Stainless Steel
O-ring	EPDM
Seat	PTFE
Ball	Stainless Steel
Ball Valve Body	Stainless Steel
Bolt	Stainless Steel
Flat Gasket	Stainless Steel
Spring Washer	Stainless Steel
Hexagon Nut	Stainless Steel
Valve Stem	PTFE
Stem Gasket	EPDM
O-ring	PTFE
Packing	Stainless Steel
Compression Nut	Stainless Steel
Spring Washer	Stainless Steel
Hexagon Nut	Plastic
Handle	Stainless Steel

Dimensions

Welded Three-piece Manual Ball Valve

SIZE	L	ΦD	ΦA	H	F
DN15	75	19.1	16.1	57.5	90
DN25	90	25.4	22.4	67.5	105



Three-piece Sanitary Clamp Manual Ball Valve

	DN	L	ΦD	ΦA	E	F
3A	1/2"	90	25.2	9.4	60.5	130
	3/4"	102	25.2	15.8	64.5	130
	1"	114	50.5	22.1	78	170
	1.25"	125	50.5	28.5	87	170
	1.5"	138	50.5	34.8	98	173
	2"	156	64	47.5	107	173
	2.5"	170	77.5	60.2	130	223
	3"	197	91	72.9	153	335
	4"	242	119	97.4	69	335
DIN	DN15	90	34	15	60.5	130
	DN20	102	34	19	64.5	130
	DN25	114	50.5	25	78	170
	DN32	125	50.5	31	87	170
	DN40	138	50.5	37	98	173
	DN50	156	64	49	107	173
	DN65	170	91	66	130	223
	DN80	197	106	81	153	335
	DN100	242	119	100	169	335

Liquid Cooling Valve Series