

Axis Ball Valves

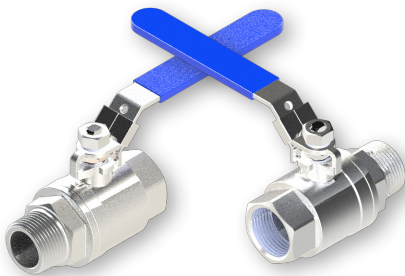


Description

Axis seal-welded ball valves are extensively tested for quality and reliability. The 1/2" valves come standard with low-profile handles, allowing for easy threading onto telemetering taps on orifice fittings. The product comes in a range of sizes up to 4" so you have the size you need to complete the job quickly and safely.

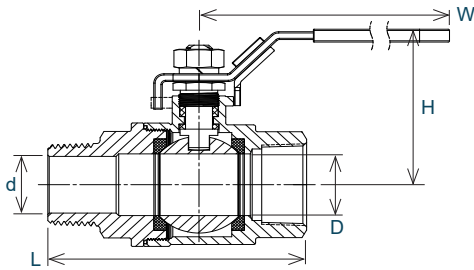
Features and Benefits

- Seal-welded for 2-piece valve body
- A low-profile handle so they can be easily threaded into telemetering taps
- Available in Male x Female and Female x Female designs
- Investment casting body and blowout-proof stem
- Lockable handle and reliable sealing
- Easy operation, low maintenance, and cost effective
- Bodies are lot code stamped to provide full material traceability

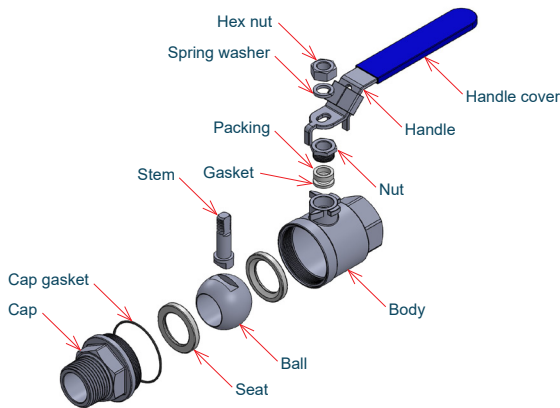
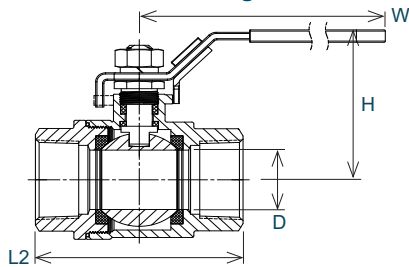


Note: these pictures will be replaced by the real product pictures.

Male NPT x Female NPT Configuration



Female NPT x Female NPT Configuration



Size (in)	Dimension (in)					
	d	D	H	W	L	L2
1/4	0.276	0.492	2.01	4.09	2.38	2.03
3/8	0.413	0.492	2.01	4.09	2.38	
1/2	0.535	0.591	1.68	4.09	3.09	2.50
3/4	0.717	0.787	2.56	4.96	3.48	2.91
1	0.906	0.984	3.03	5.67	3.94	3.39
1-1/4	1.220	1.260	3.21	5.67	4.35	
1-1/2	1.417	1.496	3.72	7.48	4.76	
2	1.890	1.969	4.02	7.48	5.57	

Note: 1. Other sizes available, contact factory
2. For the dimensions of 1-piece valve, contact factory

Item	Qty	Material		
		316	304	WCB
Body	1	A351 CF8M	A351 CF8	A216 WCB
Cap	1	A351 CF8M	A351 CF8	A216 WCB
Ball	1	A182 F316	A182 F304	A182 F304
Stem	1	A182 F316	A182 F304	A276 304
Seat	2	PTFE / RPTFE / CTFE		
Cap gasket	1	PTFE		
Gasket	1	PTFE		
Packing	1	PTFE		
Nut	1	A182 F304		
Spring washer	1	SS301		
Hex nut	1	A2-70		
Handle	1	304		
Handle cover	1	PVC		

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Product Numbering

Type	Seal Welded	Orifice/Inlet Size	Outlet Size	Body Type	Pressure Rating	Material Code	Inlet Type	Outlet Type
BV Ball valve	SW Optional	1/4 1/4"	x 1/2 if different from inlet	1PC 1-piece body	1K 1000 psi	2 316SS	M male NPT	F female NPT
		3/8 3/8"	1/4 1/4"	2PC 2-piece body	2K 2000 psi		F female NPT	M male NPT
		1/2 1/2"	3/8 3/8"					
		3/4 3/4"	3/4 3/4"					
		1 1"	1 1"					
		1 1/4 1 1/4"	1 1/4 1 1/4"					
		1 1/2 1 1/2"	1 1/2 1 1/2"					
		2 2"	2 2"					
		3 3"	3 3"					
		4 4"	4 4"					

Example: 1) model number **BVSW-1/4x1/2-2PC-2K-2MF** is interpreted as,
Ball valve, seal welded, 1/4" inlet, 1/2" outlet, 2-piece valve body, 2000 psi pressure rating, ASTM A182 Gr. 316 material for all pressure containing components, male NPT inlet, and female NPT outlet.

2) model number **BV-1 1/4-2PC-2K-2MF** is interpreted as,
Ball valve, 1 1/4" inlet and outlet, 2-piece valve body, 2000 psi pressure rating, ASTM A182 Gr. 316 material for all pressure containing components, male NPT inlet, and female NPT outlet.

Design Standards

Standard	Description
ISO 5208	Industrial valves - Pressure testing of metallic valves
API 598	Valve Inspection and Testing
ASME B1.20.1	Standard Marking Systems for Valves, Fittings, and Flanged Unions
IEC 61518	Mating dimensions between differential pressure (type) measuring instruments and flanged-on shut-off devices up to 413 bar (41,3 MPa)
ISO10474	Steel and steel products - Inspection documents



Valves



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