

3-pc Manual Stainless Steel Ball Valve

2-Way Configuration | NPT Thread | 1/4" to 3"



Industrial Applications

- Process Fluid Isolation in Industrial Piping System
- Compressed Air Systems
- Water and Utility Service Lines
- Chemical Transfer Systems (Compatible Media)
- Pneumatic Utility Lines
- HVAC Water Circulation Systems
- Equipment Isolation for Pumps and Tanks
- Agricultural Water Systems
- Industrial Cleaning Systems
- Filter and Strainer Isolation Service
- Instrumentation Isolation Lines
- Maintenance Bypass Lines
- Plant Utility Piping System

*These are not intended for use in medical life support, combustion, aviation, aerospace, automotive or similar applications.

Valve Specification

Pipe Connection		Max Operating Pressure	Media Temperature (°F)	
Size (in)	Thread Connection		Min	Max
1/4 to 2	NPT Female	1000 WOG	-4	356
2-1/2 to 3	NPT Female	800 WOG	-4	356

Note: Pressure ratings are for water, oil, and gas (WOG) service under non-shock conditions.

Features

- Full port design
- 3-piece body construction for easy maintenance and inline servicing
- Bi-directional flow capability
- Compact and lightweight valve design
- Bolted body design allows valve servicing, cleaning, or repair without removing end connections from pipeline
- Preferred for applications where frequent cleaning is required
- 304 stainless steel body for corrosion resistance
- Stainless steel internal components for extended service life
- Blow-out proof stem design for operational safety
- Bubble-tight shutoff performance
- Locking handle device for safety and position control
- Investment cast body for improved structural integrity
- Quarter-turn manual lever handle for quick open/close
- Low operating torque
- Female threaded end connections: NPT (ANSI B1.20.1)
- Suitable for manual isolation service

Approval and Compliance

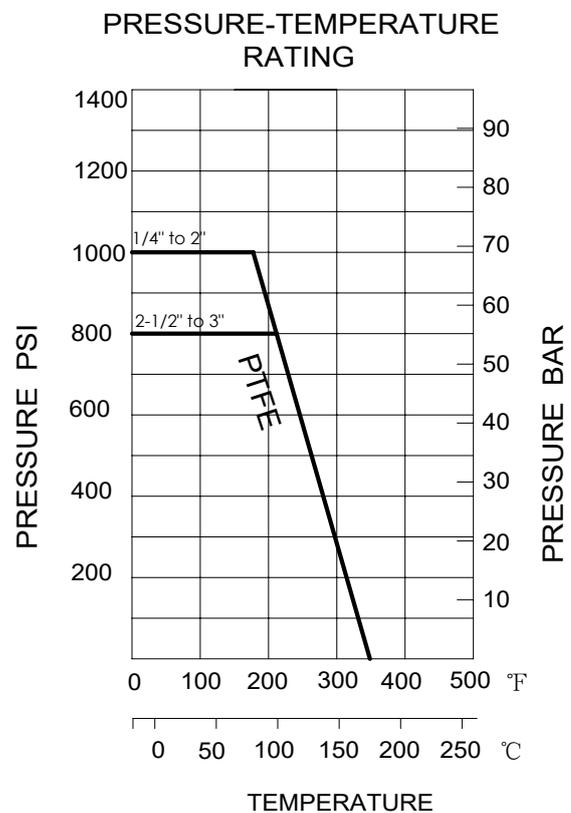
- PED 2014/68/EU
- Casting Approved AD2000-W0
- Inspection Testing: API 598, EN12266-1

Materials of Construction

Valve Parts	Material
Body	SS304
Components	SS304
Ball Seat	PTFE
Packing	PTFE

*Consult a chemical compatibility expert for correct seal and valve body material choice.

Pressure-Temperature Rating

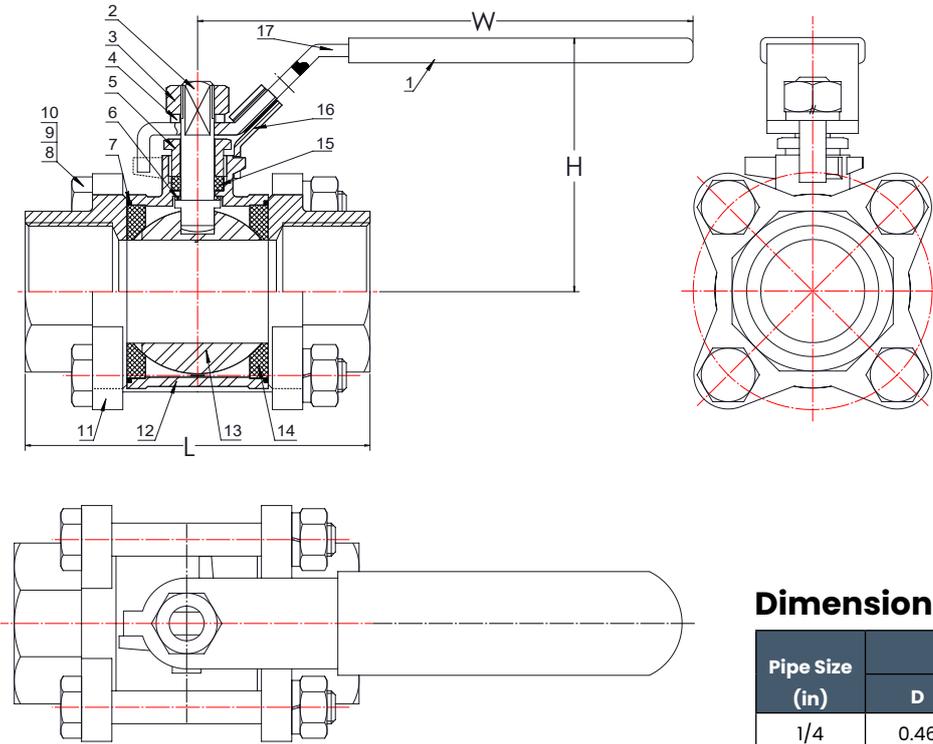


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Parts List

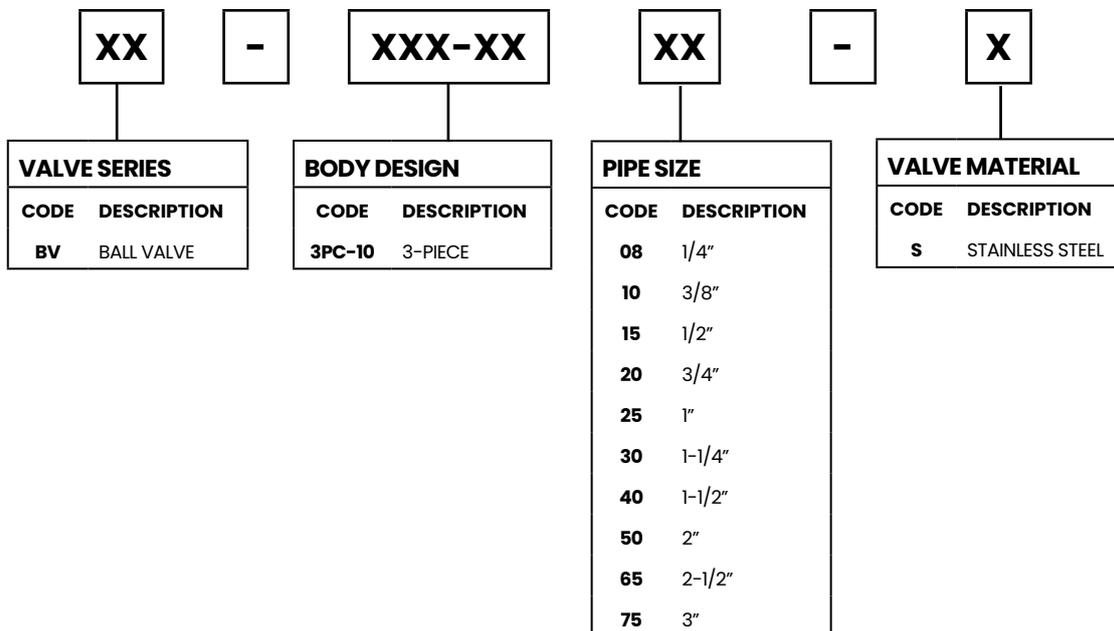
No.	Valve Parts	Material	Qty
1	Handle Cover	Plastic	1
2	Stem	SS304	1
3	Stem Nut	SS304	1
4	Spring Washer	SS304	1
5	Gland Nut	SS304	1
6	Thrust Washer	PTFE	1
7	End Seal	PTFE	2
8	Bolt Nut	SS304	4/6
9	Spring Washer	SS304	4/6
10	Bolt Nut	SS304	4/6
11	End Cap	SS304	2
12	Body	SS304	1
13	Ball	SS304	1
14	Ball Seat	PTFE	2
15	Stem Packing	PTFE	1
16	Lock Device	SS304	1
17	Handle	SS304	1



Dimension - Metric

Pipe Size (in)	Dimension (in)				Wt (lbs)
	D	L	H	W	
1/4	0.46	2.32	1.98	4.07	0.71
3/8	0.49	2.32	1.98	4.07	0.71
1/2	0.59	2.49	2.22	4.27	0.99
3/4	0.79	2.78	2.45	4.27	1.30
1	0.98	3.23	2.78	5.14	1.90
1-1/4	1.26	3.82	3.09	5.14	2.91
1-1/2	1.5	4.28	3.62	6.40	4.60
2	1.97	4.90	3.98	6.40	6.26
2-1/2	2.52	6.38	4.78	9.06	13.85
3	2.99	6.89	5.20	9.06	20.68

Product Ordering Code



EXAMPLE:

BV-3PC-1050-S - Indicates a 3-piece ball valve, Stainless Steel, 2" port size.