

T-Port Manual Stainless Steel Ball Valve

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



Industrial Applications

- Fluid Mixing Systems
- Flow Distribution Between Multiple Process Lines
- Compressed Air Routing Systems
- Water Distribution and Utility Service Lines
- Chemical Blending Lines (Compatible Media)
- Process Line Interconnection
- Tank Manifold Systems
- Batch Processing Lines
- Instrument Switching Systems
- Pneumatic Utility Lines
- HVAC Water Circulation Systems
- Equipment Routing for Pumps and Tanks
- Agricultural Water Systems
- Industrial Cleaning Systems
- Sampling and Test Systems
- General Industrial Flow Control Applications

*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

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

Features

- 3-way T-port ball valve design for mixing or diverting flow between multiple lines
- T-port flow path allows multiple flow combinations and simultaneous port connections
- Multiple flow configurations depending on handle position
- Reduced port design suitable for controlled diversion service
- Investment cast body for improved structural integrity
- 304 stainless steel wetted components for corrosion resistance
- Blow-out proof stem design for improved operational safety
- Quarter-turn manual lever handle for quick open/close
- Locking handle device for safety and position
- Bi-directional flow capability allowing any port to act as inlet or outlet
- Position indicator integrated with the handle for clear flow path identification
- Female threaded end connections: NPT (ANSI B1.20.1)
- ISO 5211 mounting pad for actuator mounting or future automation

Approval and Compliance

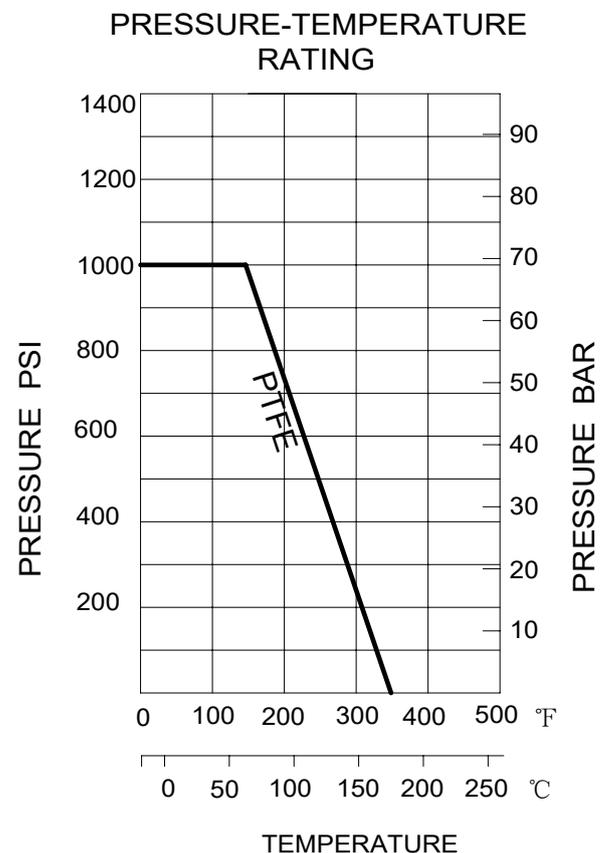
- PED 2014/68/EU
- Inspection Testing: API 598, EN12266-1

Materials of Construction

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

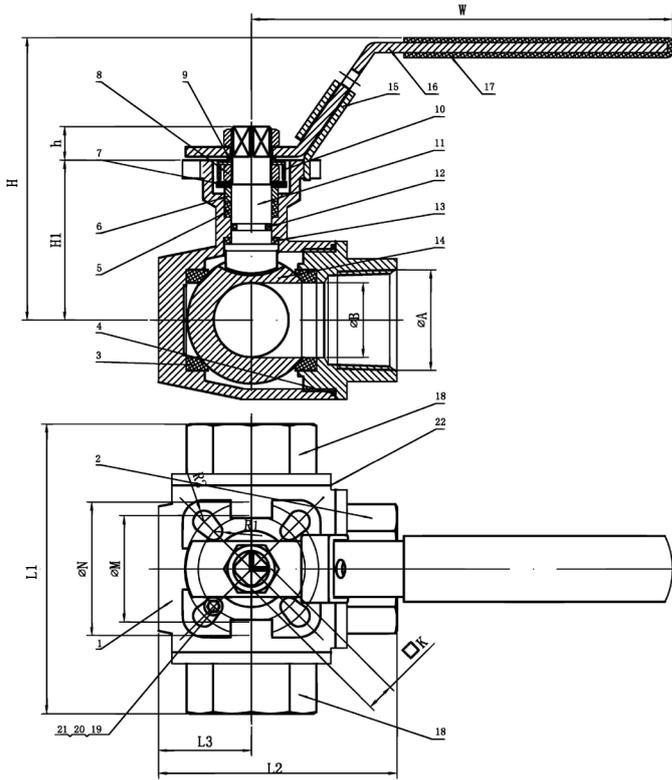
*Consult a chemical compatibility expert for correct seal and valve body material choice.

Pressure-Temperature Rating



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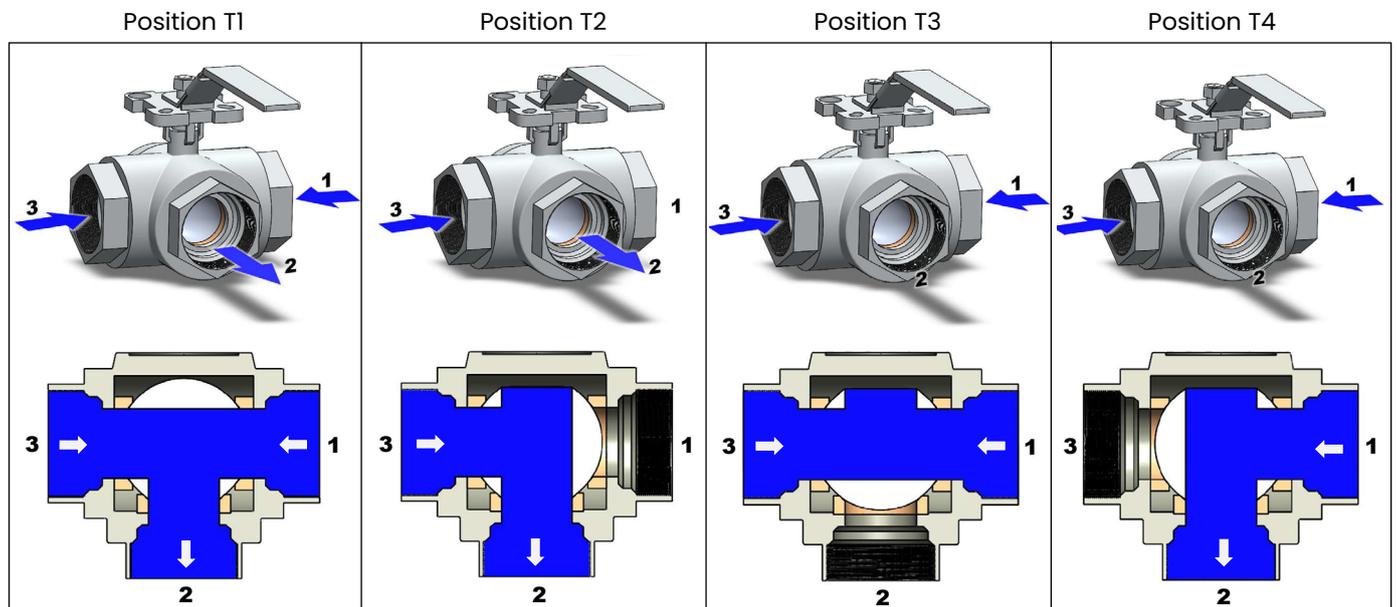
Parts List

No.	Valve Parts	Material	Qty
1	Body	SS304	1
2	Cap (A)	SS304	1
3	Ball Seat	PTFE	4
4	End Seal A	PTFE	1
5	Stem Packing	PTFE	1
6	Bushing	SS304	1
7	Belleville Washer	SS304	2
8	Stem Nut	SS304	2
9	Stem Washer	SS304	1
10	Lug Washer	SS304	1
11	Stem	SS304	1
12	O-Ring	NBR	1
13	Thrust Washer	PTFE	1
14	Ball	SS304	1
15	Lock Device	SS304	1
16	Handle	SS304	1
17	Handle Cover	PLASTIC	1
18	Cap (B)	SS304	2
19	Positioning Bolt	SS304	1
20	Little Washer	SS304	1
21	Nut	SS304	1
22	End Seal B	PTFE	2

Dimension - Metric

Pipe Size (in)	Dimension (in)														Wt (lbs)
	A	B	H1	h	M	N	K	R1	R2	L1	L2	L3	W	H	
1/4	1/4	0.37	1.65	0.35	1.42	1.65	0.35	0.12	0.12	3.11	2.52	0.94	5.55	2.95	1.39
3/8	3/8	0.45	1.65	0.35	1.42	1.65	0.35	0.12	0.12	3.11	2.52	0.94	5.55	2.95	1.46
1/2	1/2	0.49	1.65	0.35	1.42	1.65	0.35	0.12	0.12	3.11	2.52	0.94	5.55	2.95	1.47
3/4	3/4	0.63	1.95	0.35	1.42	1.65	0.35	0.12	0.12	3.27	2.68	1.02	5.55	3.23	2.03
1	1	0.79	2.32	0.43	1.65	1.97	0.43	0.12	0.14	4.09	3.23	1.16	6.38	3.82	3.39
1-1/4	1-1/4	0.98	2.48	0.43	1.65	1.97	0.43	0.12	0.14	4.37	3.54	1.36	6.38	3.94	4.59
1-1/2	1-1/2	1.26	2.89	0.59	1.97	2.76	0.55	0.14	0.18	4.96	4.17	1.63	7.40	4.45	7.30
2	2	1.50	3.27	0.59	1.97	2.76	0.55	0.14	0.18	5.79	4.87	1.95	7.40	4.80	11.80

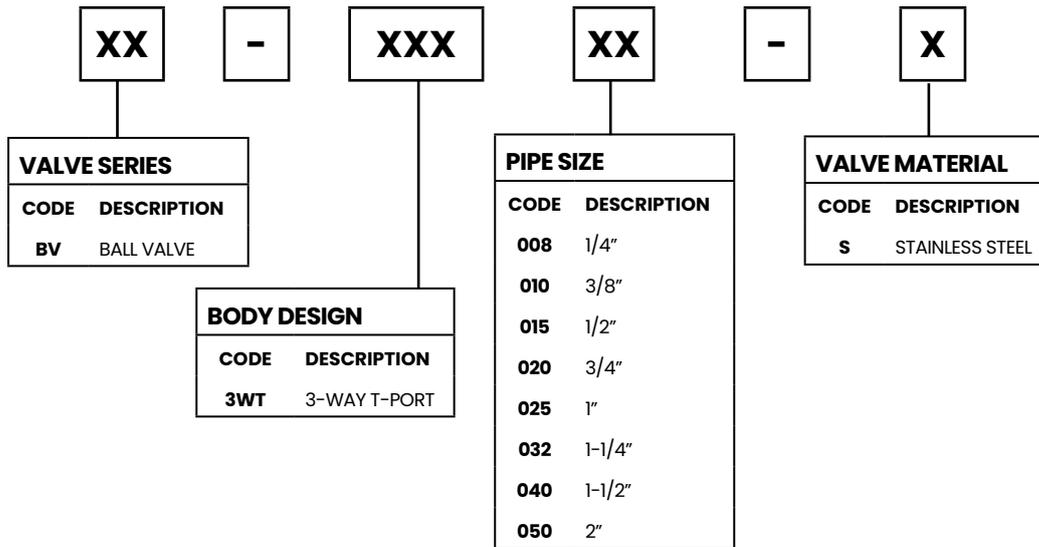
Flow Direction



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Product Ordering Code



EXAMPLE:

BV-3WT008-S - Indicates a 3-Way, T-Port ball valve, Stainless Steel, 1/4" port size,