1125 - 3-Way Threaded Ball Valve

Reduce Bore, Stainless Steel, L- or T-Configuration

Series: 1125



Overview

Connection Sizes	1/4" to 2"
Temperature Range	-29°C to +210°C
Maximum Pressure	1000 psi WOG (69 bar)
Body Material	Stainless steel ASTM A351 - CF8M (1.4408)
Seat Material	RTFE (15% GF-PTFE)
Port Type	Reduced Bore - L or T
End Connection	EN 10226-1 (ISO 7-1) BSP Rp thread
Top Flange	Direct-mount - ISO 5211

Key Features

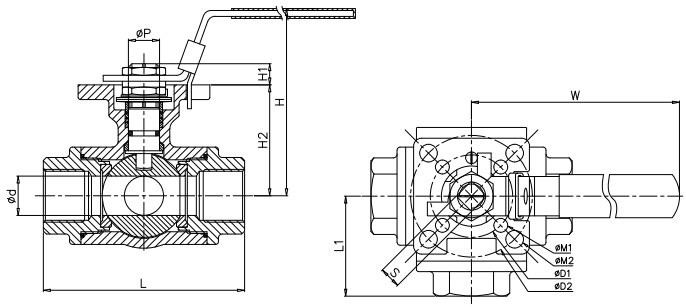
- 3-way reduced bore stainless steel ball valve with L or T configuration for flow diversion and mixing applications.
- Manufactured from corrosion-resistant Stainless steel ASTM A351 - CF8M (1.4408) with RTFE sealing components.
- Suitable for media temperatures ranging from -29°C to +210°C.
- Rated up to 69 bar - 1000 psi WOG.
- Padlock Locking device on lever for safety lockout.
- Anti-static device between ball, stem and body.
- Direct-mount top flange according to ISO 5211 for easy actuator installation without additional brackets.
- The valves are suitable for water, steam, oil, compressed air, fuels, solvents and aggressive media.
- Designed with reference to ASME B16.34 and EN 12516-1 to meet recognized industrial safety and performance standards.
- TamesonPRO products are delivered with comprehensive technical documentation.

Model Specifications

Select the appropriate model based on your connection size and port configuration. All models rated at 69 bar (1000 psi WOG).

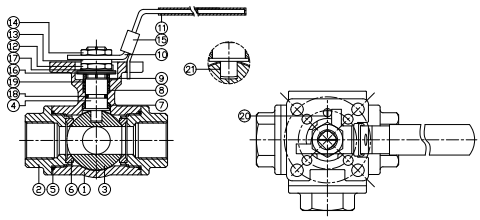
Model Number	Connection Size (inch)	Port Type	Max Pressure (bar)	Weight (kg)
1125-014-T	1/4"	T-bore	69	0.8
1125-038-T	3/8"	T-bore	69	0.7
1125-012-T	1/2"	T-bore	69	0.7
1125-034-T	3/4"	T-bore	69	0.9
1125-034-T-F04	3/4"	T-bore	69	1.1
1125-100-T	1"	T-bore	69	1.7
1125-114-T	1-1/4"	T-bore	69	2.4
1125-112-T	1-1/2"	T-bore	69	3.6
1125-200-T	2"	T-bore	69	5.8
1125-014-L	1/4"	L-bore	69	0.8
1125-038-L	3/8"	L-bore	69	0.7
1125-012-L	1/2"	L-bore	69	0.7
1125-034-L	3/4"	L-bore	69	0.9
1125-034-L-F04	3/4"	L-bore	69	1.1
1125-100-L	1"	L-bore	69	1.7
1125-114-L	1-1/4"	L-bore	69	2.4
1125-112-L	1-1/2"	L-bore	69	3.6
1125-200-L	2"	L-bore	69	5.8

Dimensions

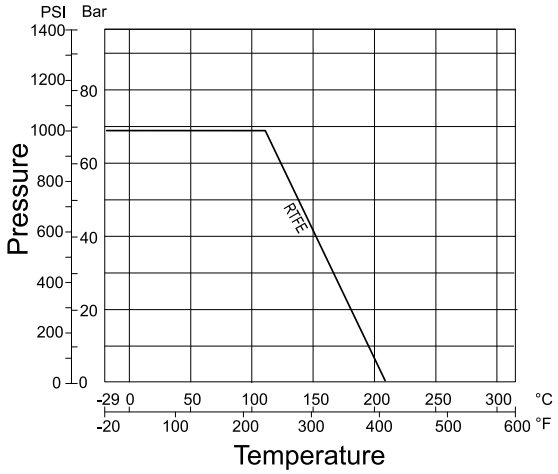


Size (inch)	d (mm)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	W (mm)	S (mm)	P (mm)	D1 (mm)	D2 (mm)	M1 (mm)	M2 (mm)	Torque (Nm)	Weight (kg)
1/4"	11	75.7	37.3	75.7	9	38.2	114.5	9	12	-	42	-	6	7.9	0.8
3/8"	11	75.7	37.3	75.7	9	38.2	114.5	9	12	-	42	-	6	8.1	0.7
1/2"	12.7	75.7	37.3	75.7	9	38.2	114.5	9	12	-	42	-	6	9.6	0.7
3/4" (F04-F05)	15	85	42.5	72	9.5	41.2	161	11	15.8	42	50	6	7	11.7	0.9
3/4" (F04)	16	86.6	44.7	82.7	9	45.2	114.5	9	12	-	42	-	6	14.3	1.1
1"	20	102.4	51.4	95	11.1	56.5	139.5	11	15.8	-	50	-	7	20	1.7
1-1/4"	25	118.2	57.7	104.4	11.1	60.9	186.5	11	15.8	-	50	-	7	23.8	2.4
1-1/2"	32	125.8	62.7	119.75	14.2	78.25	200.5	14	20.8	50	70	7	9	34.8	3.6
2"	38.1	149	74.6	128.85	14.2	87.35	200.5	14	20.8	50	70	7	9	58.1	5.8

Materials



Item	Parts	Material	Standard
1	Body	Stainless steel	ASTM A351-CF8M (1.4408)
2	Cap	Stainless steel	ASTM A351-CF8M (1.4408)
3	Ball	Stainless steel	ASTM A351-CF8M (1.4408)
4	Stem	Stainless steel	ASTM A276-316 (1.4401)
5	Body Seal	PTFE	-
6	Seat	RTFE (15% GF-PTFE)	-
7	Thrust Washer	PTFE	-
8	Stem Packing A	PTFE	-
9	Gland Bush	PTFE	-
10	Handle	Stainless steel	AISI 304
11	Handle Sleeve	PVC	-
12	Stem Nut	Stainless steel	AISI 304
13	Handle Washer	Stainless steel	AISI 304
14	Handle Nut	Stainless steel	AISI 304
15	Locking Device	Stainless steel	AISI 304
16	Belleville Washer	Stainless steel	AISI 304
17	Stop Washer	Stainless steel	AISI 304
18	O-Ring	FKM	-
19	Stem Packing B	PEEK	-
20	Stop Pin	Stainless steel	AISI 304
21	Anti-Static Device	Stainless steel	AISI 316



p/T Graph

⚠ Warning

Do not exceed the maximum rated pressure or temperature for the selected application. Always verify media compatibility with all valve materials before installation. Ensure proper isolation and full depressurization of the system before performing any maintenance. The valve must be installed by qualified personnel in accordance with local regulations and applicable industry standards. This valve is not suitable for throttling service; it is designed for full open / full closed operation only.

Installation

1. **Preparation**
   Inspect the valve for visible damage or debris before installation. Confirm that the valve bore and pipeline are clean and free of particles. Ensure that connection types and sizes match the piping system.

2. **Orientation**
   Ball valves can be installed in any position (horizontal or vertical). For manually operated valves, ensure the handle movement is unobstructed and accessible. For actuated valves, install with the actuator oriented for easy maintenance and wiring access.

3. **Thread Sealing**
   Apply suitable thread sealant (PTFE tape or pipe dope) to male threads only. Do not overtighten - this may damage threads or distort the valve body. Support the valve body with a wrench on the hex flats while tightening.

4. **Post-Installation Checks**
   Slowly pressurize the system and check for leaks at all connections. Cycle the valve fully open and fully closed to ensure smooth operation. For actuated valves, verify actuator function (open/close signal) before placing into service.

Standards & Certifications

- CE Marked (PED 2014/68/EU)
- ASME B16.34
- EN 12516-1
- EN 10226-1
- EN 12266-1

Applications

Water Treatment | Chemical Processing | Oil & Gas | Food & Beverage | Pharmaceuticals | Steam Systems | HVAC | Compressed Air

Maintenance

1. Periodically cycle the valve to prevent sticking.
2. Inspect packing gland periodically for leaks; tighten or replace as needed.
3. Inspect for leaks and wear regularly, especially in high-cycle or corrosive environments.

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Document Information
Version: 1.05

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*Full warranty terms at tameson.com/pages/terms-and-conditions