

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

FULL PORT BALL VALVE

T/S-1002, T-1002ST, T-1002LD and T-1002STLD

T/S-1002 series valves made from a durable forged brass body with bottom-loaded, PTFE isolated, blowout-proof stem PTFE seats and stem packing.

Features an adjustable gland follower stem design.

TJS-1002: 304 stainless steel handle and handle nut available (sold separately). Available in nominal sizes: 1/4" to 3" FNPT and 3/8 to 3" Sweat.

T-1002ST: 304 stainless steel ball and stem are stronger than forged brass; An ideal feature for heavy-use, frequent-operation applications 304 stainless steel handle and handle nut available (sold separately).

Available in nominal sizes: 1/2" to 2" FNPT.

T-1002LD: Latch-lock handle with 0.30" diameter hole, accepts padlocks with standard 9/32" diameter shackles or lockout tongs (not included). Lockable in the full-open or full-closed positions.

Available in nominal sizes: 1/4" to 2" FNPT.

T-1002STLD: Includes all of the features listed above.

Available in nominal sizes: 1/4" to 2" FNPT.

Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 600 psi.

Saturated steam (WSP): 150 psi.

MATERIAL SPECIFICATION		
	PART	MATERIAL
1	Handle nut	Steel
2	Handle	Steel
3	Packing nut	Forged brass
4	Stem packing	PTFE
5	Stem	Forged brass 316 Stainless steel*
6	Body	Forged brass
7	Seats (2)	PTFE
8	Ball	Chrome plate forged brass 316 Stainless steel*
9	End adapter	Forged brass
10	Latch Lock**	Steel
11	Lockplate**	Steel

*These components are present on the T-1002ST and T-1002STLD models only.

******These components are present on the T-1002LD and T-1002STLD

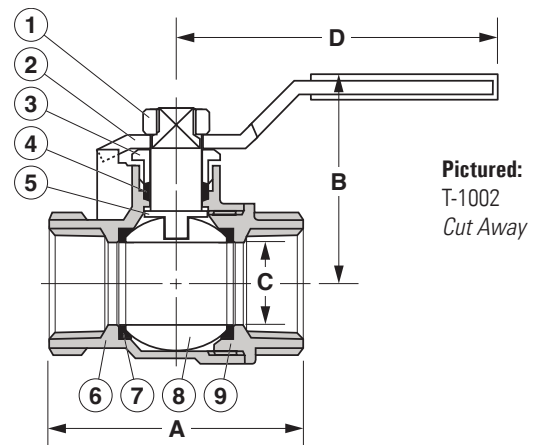
DIMENSIONS								
Size	A (IPS)	A (Cx C)	B	B	C	D	D	CV*
				Locking			Locking	
1/4"	1.69	-	1.26	1.65	0.39	2.36	3.27	6.50
3/8"	1.81	1.62	1.50	1.69	0.39	3.15	3.27	6.50
1/2"	2.13	1.93	1.50	1.73	0.50	3.15	3.27	10.00
3/4"	2.48	2.72	1.85	2.12	0.79	4.33	4.40	26.00
1"	2.99	3.31	2.05	2.32	0.98	4.33	4.40	48.00
1-1/4"	3.35	3.78	2.36	2.68	1.26	5.12	5.24	70.00
1-1/2"	3.62	4.30	2.56	2.88	1.50	5.12	5.24	105.00
2"	4.25	5.35	3.11	3.58	1.97	7.87	8.00	200.00
2-1/2"	5.16	6.18	3.50	-	2.50	7.87	-	380.00
3"	5.91	7.09	3.86	-	3.00	7.87	-	520.00

*The CV Factor is the gallons of water per minute passed through the valve with a 1 psi pressure drop.

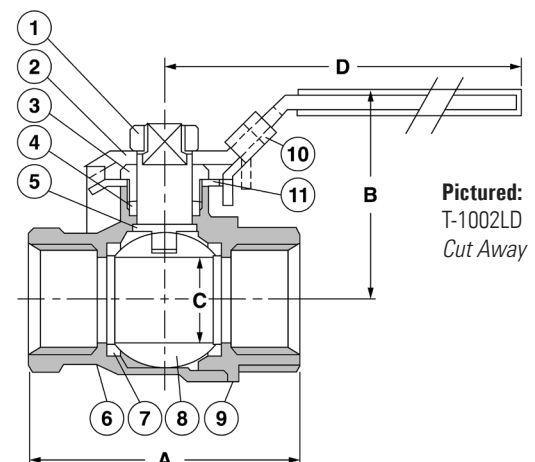
Pictured:
T-1002



Pictured:
T-1002LD



Pictured:
T-1002
Cut Away



Pictured:
T-1002LD
Cut Away

Certifications/Listings:

Third-party certified.

ANSI Z21.15 / CSA 9.1: Gas appliance connector valve for ½ lb. systems. (1/2" to 2" NPT)

ASME B16.44 / CGA CR91-002: For use in above ground gas piping systems up to 5 PSI. (1/2" to 2" NPT)

ANSI/ASME B16.33: For use in gas piping systems up to 175 psig. (1/2" to 2" NPT)

CSA 3.16: For use in gas piping systems up to 125 psig. (1/2" - 2")

UL MHKZ: Manual valves certified for Canada

FM 1140: Standard for quick opening valves. (1/4" - 2")

Standards:

MSS SP-110

ANSI/ASME B1.20.1: Pipe threads: general purpose, Inch

ANSI/ASME B16.18: Cast copper alloy solder-joint pressure fitting