

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

Durable forged brass body
Bottom-loaded, Teflon* isolated, blowout-proof stem
Teflon* seats and stem packing
Adjustable gland follower stem design

T/S-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: 1/2" to 2" FNPT

- Conforms to MSS SP-110
- Factory Mutual approved for fire protection service (1/2" to 2")
- Threaded ends comply with ANSI / ASME B1.20.1
- Sweat tubing ends comply with ANSI / ASME B16.18
- Manufactured in an ISO 9002 accredited facility
- CSA Certified for use with natural, manufactured or mixed liquid petroleum and LP gas/air mixtures:
- ANSI Standard Z21.15 for use as gas appliance connector valve for 1/2-lb. systems (1/2" to 2")
- CSA Certified 3-88 for use in 2 or 5 lb house piping systems (1/2" to 2")
- ANSI / ASME B16.33 for use in gas piping systems up to 125 PSIG (1/2" to 2")
- UL Listed 2J73 for LP, natural and manufactured gases; flammable liquids; No. 6 oil at 250 degrees F (1/2" to 2")



Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 600 p.s.i.

Saturated steam (WSP): 150 p.s.i.

MATERIAL SPECIFICATION			
PART	MATERIAL	SPECIFICATION	
1 Handle nut	Steel	AISI 1010	
2 Handle	Steel	ASTM A283 Class D	
3 Packing nut	Forged brass	ASTM B16 UNS C36000	
4 Stem packing	PTFE	DuPont Teflon*	
5 Stem	Forged brass 304 Stainless steel**	ASTM B16 UNS C36000 AISI Type 304	
6 Body	Forged brass	ASTM B124 UNS C37700	
7 Seats (2)	PTFE	DuPont Teflon*	
8 Ball	Chrome plated forged brass 304 Stainless steel**	ASTM B124 UNS C37700 AISI Type 304	
9 End adapter	Forged brass	ASTM B124 UNS C37700	
10 Latch lock***	Steel	ASTM A283 Class D	
11 Lockplate***	Steel	ASTM A283 Class D	

* Teflon is a registered trademark of DuPont

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

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DIMENSIONS						
Size	A (IPS)	A (CXC)	B	C	D	CV*
1/4"	1.81		1.46	0.39	3.31	6.50
3/8"	1.81	1.62	1.46	0.39	3.31	6.50
1/2"	2.17	1.93	1.54	0.50	3.31	10.00
3/4"	2.52	2.76	1.97	0.79	4.65	26.00
1"	2.99	3.31	2.13	0.98	4.65	48.00
1-1/4"	3.43	3.78	2.60	1.26	5.28	70.00
1-1/2"	3.66	4.30	2.76	1.50	5.28	105.00
2"	4.33	5.32	3.46	1.97	7.88	200.00
2-1/2"	5.16	6.22	3.86	2.50	7.87	380.00
3"	5.91	7.17	4.17	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.

