

## 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:

Available in female pipe threaded sizes: 1/4" to 3"  
female sweat tubing sizes: 3/8" to 3"

#### T-1002ST:

Stainless steel ball and stem are stronger than forged brass; An ideal feature for heavy-use, frequent-operation applications

Available in female pipe threaded sizes: 1/2" to 2"

#### T-1002LD:

Latch-lock handle with 0.30" diameter hole, accepts padlocks or lockout tongs (not included).

Lockable in the full-open or full-closed positions

Available in female pipe threaded sizes: 1/4" to 2"

#### T-1002STLD:

Includes all of the features listed above

Available in female pipe threaded sizes: 1/2" to 2"

- Meets Federal Specification WW-V-35C
- Conforms to MSS SP-110
- Models T- and S-1002 only: Truesdail Labs tested and certified to ANSI / NSF 61-8
- 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")

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 316 Stainless steel**	ASTM B16 UNS C36000 AISI 316
6 Body	Forged brass	ASTM B124 UNS C37700
7 Seats (2)	PTFE	DuPont Teflon*
8 Ball	Chrome plated forged brass 316 Stainless steel**	ASTM B124 UNS C37700 AISI 316
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

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

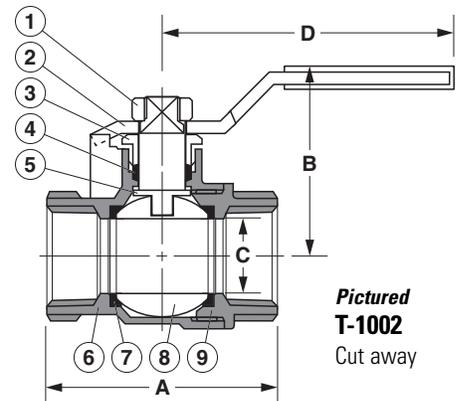
DIMENSIONS						
Size	A (IPS)	A (CXC)	B	C	D	CV*
1/4"	1.81		1.46	0.39	3.31	6.50
3/8"	1.81	1.62	1.46	0.39	3.31	6.50
1/2"	2.17	1.93	1.54	0.50	3.31	10.00
3/4"	2.52	2.76	1.97	0.79	4.65	26.00
1"	2.99	3.31	2.13	0.98	4.65	48.00
1-1/4"	3.43	3.78	2.60	1.26	5.28	70.00
1-1/2"	3.66	4.30	2.76	1.50	5.28	105.00
2"	4.33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

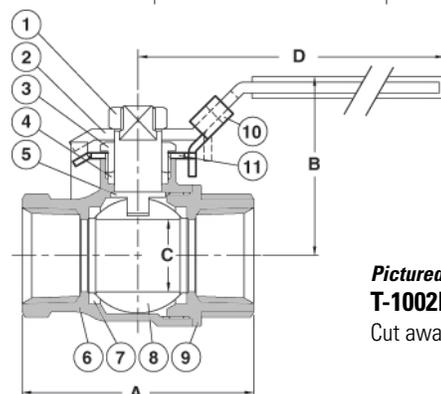
#### Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 600

Saturated steam (WSP): 150



**Pictured T-1002**  
Cut away



**Pictured T-1002LD**  
Cut away