

## SUBMITTAL SHEET

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

# NO LEAD FULL PORT BALL VALVE

## T/S-1002NL

Bottom-loaded, blowout-proof stem with PTFE packing gland and forged brass packing nut.  
 Durable PTFE seats.  
 Self-cleaning forged brass ball is chrome-plated, to resist scale build-up.  
 Available in female pipe threaded sizes 1/4" - 3" and female sweat tubing sizes 3/8" - 3"

### Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 600 psi  
 Saturated steam (WSP): 150 psi

DIMENSIONS						
Size	A (IPS)	A (CXC)	B	C	D	CV**
1/4"	1.69	-	1.26	0.39	2.36	6.50
3/8"	1.81	1.62	1.50	0.39	3.15	6.50
1/2"	2.13	1.93	1.50	0.50	3.15	10.00
3/4"	2.48	2.72	1.85	0.79	4.33	26.00
1"	2.99	3.31	2.05	1.00	4.33	48.00
1-1/4"	3.35	3.78	2.36	1.26	5.12	70.00
1-1/2"	3.62	4.30	2.56	1.50	5.12	105.00
2"	4.25	5.35	3.11	2.00	7.87	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.

MATERIAL SPECIFICATION		
PART	MATERIAL	
1	Handle Nut	Steel
2	Handle	Steel
3	Packing Nut	Forged brass
4	Stem Packnig	PTFE
5	Stem	Lead-free forged brass
6	Body	Lead-free forged brass
7	Seats (2)	PTFE
8	Ball	Chrome-plated lead-free forged brass
9	End Adapter	Lead-free forged brass

### Certifications/Listings:

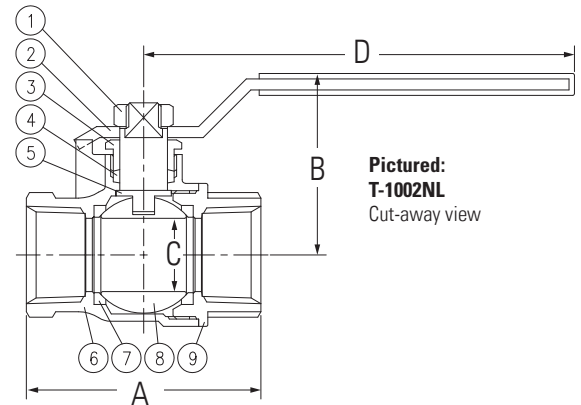
Third-Party Certified.  
 ANSI/NSF 61: Drinking water system components - health effects.  
 ANSI/NSF 372: Drinking water system components - lead content.  
 ANSI Z21.15 / CSA 9.1: Gas appliance connector valve for 1/2 lb. systems. (1/2" to 2" NPT)  
 ASME B16.44 / CGA CR91-002: For use in above ground 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")

### Standards:

MSS SP-110  
 ANSI/ASME B1.20.1: Pipe threads: general purpose (inch)  
 ANSI/ASME B16.18: Cast copper alloy solder-joint pressure fittings.



**Pictured:  
T-1002NL**



**Pictured:  
T-1002NL  
Cut-away view**