

SUBMITTAL SHEET

JOB NAME

JOB LOCATION

CONTRACTOR

ENGINEER APPROVAL

DATE

DATE

LEAD FREE FORGED BRASS FULL PORT BALL VALVE

T/S-2000 No-Lead

Lead-free design is suitable for all no-lead potable water installations, in full compliance of all lead-free plumbing laws.

Dezincification-resistant (DZR) forged brass resists corrosion from exposure to a wide variety of water conditions.

Bottom-loaded, blowout-proof stem features a dual-seal PTFE packing and EPDM rubber O-ring design, assuring positive sealing under a multitude of conditions.

Self-cleaning chrome-plated ball resists mineral build-up and scaling typically found in harsh, varying water conditions.

Multiple certifications make the 2000NL series a multi-purpose valve, suitable for new or repair installations of plumbing or gas systems.

Stainless steel lever handles and handle nuts available (sold separately).

Available in female pipe thread (FNPT) sizes 1/4" to 4" and female sweat tubing (Sweat) sizes 1/2" to 4".

Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 1/4 "- 2" 2-1/2" - 4" Saturated Steam: 150 PSI

600 CWP

400 CWP

. Third-party tested and certified in compliance with U.S. Federal Public Law 111-380 (National lead-free plumbing law).

ITEM TAG PART NUMBER

- UPC / IAPMO certified to ANSI / NSF Standard 61 Annex G: Meets NSF 372 lead content requrements.
- UL Listed 3LZW for LP, natural and manufactured gases to 250 psi maximim:
- YQNZ.MH45831 Compressed gas shutoff valves
- YRBX.MH45831 Flammable liquid shutoff valves
- YRPV.MH45831 Gas shutoff valves
- YSDT.MH45831 LP gas shutoff valves
- MHKZ.MH45831 Manual valves



- · CSA Certified for use with natural, manufactured, mixed, liquid petroleum and LP gas/air mixtures:
- ANSI Standard Z21.15 for use as a gas appliance connector valve for 1/2-lb systems (1/4" to 2")
- CSA Certified for use in 2 or 5 lb house piping systems (1/4" to 2")
- ANSI/ASME B16.33 for use in gas piping systems up to 125 PSIG (1/2" to 2")
- Conforms to MSS SP-110
- · End connections comply with ANSI / ASME B1.20.1 and ASME B16.18
- Manufactured in an ISO accredited facility



DIMENSIONS							
Size	A (IPS)	A (CxC)	В	С	D		
1/4"	1.73		1.42	0.39	3.19		
3/8"	1.73		1.42	0.39	3.19		
1/2"	2.17	2.05	1.66	0.57	3.74		
3/4"	2.46	2.76	1.90	0.75	3.74		
1"	2.95	3.33	2.30	0.98	4.33		
1-1/4"	3.39	3.86	2.70	1.26	5.12		
1-1/2"	3.78	4.45	2.91	1.54	5.12		
2"	4.33	5.47	3.48	1.95	6.34		
2-1/2"	5.55	6.46	4.65	2.50	9.45		
3"	6.38	7.52	5.02	3.03	9.45		
4"	7.54	9.49	5.93	3.94	9.45		

Μ	MATERIAL SPECIFICATION					
	PART	MATERIAL	SPECIFICATION			
1	Handle nut	Zinc plated steel	ASME SA6, SA283 Grade C			
2	Lever handle	Zinc plated steel	ASME SA6, SA283 Grade C			
3	Packing nut	Forged brass	ASTM B455 UNS C38500			
4	Stem packing	PTFE	FR101 resin			
5	Stem O-ring	EPDM rubber	Commercial grade			
6	Stem	Lead-free forged brass	UNS Alloy C46500			
7	Body	Lead-free forged brass	UNS Alloy C46500			
8	Seats (2)	PTFE	FR101 resin			
9	Ball	Lead-free chrome plated forged brass: 1/4" - 1" Stainless steel: 1-1/4" - 4"	UNS Alloy C46500 AISI Grade 304			
10	End adapter	Lead-free forged brass	UNS Alloy C46500			





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ULL PO	KIE	SALL	. VA	LVE			
T/S-2000							
Durable forged b	orass body	Ι.				Conforms to MSS SP-110	
Bottom-loaded, blowout-proof, gland-follower stem design. Positive-seal stem features dual-seal PTFE packing					sign.	 UPC/IAPMO tested and certified to ANSI/NSF Standard 61-8 	 End connections comply with ANSI/ASME B1.20.1 and ASME B16.18
and EPDM rubbe		0 4441 00		puoking		• CSA Certified for use with	• ULL isted 3LZW for LP, natural
Complete certific Available in fema				1" to 1"		natural, manufactured, mixed, liquid petroleum, and LP gas/air mixtures:	and manufactured gases to 2 psi maximim:
and female swea				τιυ 4	Factory Mutual System	• ANSI Standard Z21.15 for	○ YQNZ.MH45831 Compressed gas
					Approved	use as gas appliance connector valve for 1/2-lb	shutoff valves
Working Press				014/5		systems (1/4" to 2")	○ YRBX.MH45831
Cold Water, Oil		/4" to 2" -1/2" to 4		CWP CWP		• CSA Certified for use in 2	Flammable liquid shutoff valves.
Saturated Stea		Il sizes	150		Listed 3LZW	or 5 lb house piping systems (1/4" to 4")	∘ YRPV.MH45831 Gas
						Factory Mutual approved for fire	shutoff valves
MATERIAL SPE	CIFICAT	ON				protection service (Threaded: 1/4" to 2" Sweat: 1/2" to 2")	 YSDT.MH45831 LP gas shutoff valves
PART	MATERI/			SPECIFICAT	-	Manufactured in an ISO 9002	○ MHKZ.MH45831
1 Handle nut 2 Lever handle	Zinc plat Zinc plat				SA283 Grade C SA283 Grade C	accredited facility	Manual valves
3 Packing nut	Forged b				UNS C38500		
4 Stem packing	PTFE			FR101 resin			D
5 Stem O-ring EPDM rubber Commercial grade 6 Stem Forged brass ASTM B16 UNS C36000			<u> </u>				
7 Body	Forged b			ASTM B124	/ 124M UNS C37700	E.	
8 Seats (2)	PTFE	1 4 14		FR101 resin			
9 Ball 10 End adapter	Forged b	lated forge rass	d brass		UNS C38500 / 124M UNS C37700		
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							Pictured T-2000
DIMENSIONS							Cut away view
	A (CxC)	В	С	D			A
1/4" 1.73		1.42	0.39	3.19			
3/8" 1.73 1/2" 2.17	2.05	1.42	0.39	3.19 3.74		3	
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	3.33	2.30	0.98	4.33	T-2000 Exploded view		
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