

# CopperPress®

By Merit Brass Co.

## Small Diameter Copper End Full Port | Press Ball Valve

### Description

This specification covers Copper End Press Ball Valves used in piping application as determined by Engineering as a function of what is being transported in the system, pressure ratings, temperature of material and line pressure.

### Specifications

Copper End Press Ball Valves provided by Merit Brass Co. are a lead-free construction with a cast C89836 bronze body with copper retainers. This housing shall conform to IAPMO Z1157. This product is suitable for installation in most plumbing and heating systems including hydronic heating, low pressure steam (15psi max), and potable water.



Size Range	Ends
• ½" – 2"	• Press

Project Information	Approval Stamp
Project Name:	Approved
Project Location:	Approved As Noted
Project Contractor:	Not Approved
Project Engineer:	Remarks:
Project Distributor:	
Project Rep:	
Submittal Date:	
Notes 1:	
Notes 2:	

For the Master Carton (Box) Quantity List, please visit [meritbrass.com](https://meritbrass.com). Some items not shown may be available upon request. Some items and sizes may be discontinued when stock is depleted and may require a minimum order quantity. Certain inventory limitations may apply. For list prices in Excel, please download by logging onto [meritbrass.com](https://meritbrass.com). Contact our Sales Team for details at [contactus@meritbrass.com](mailto:contactus@meritbrass.com). Every precaution has been taken in preparing this submittal, however, Merit Brass Company cannot be held responsible for typographical errors or omissions.

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### Design Features

- **VIPR® (Visual Indicator Press Ring®)** facilitates immediate identification of un-pressed connections
- **Full port**
- **Leak Before Press** – in addition to the VIPR®, valve incorporates 4-Path LBP technology, guaranteeing a visual indication if not pressed
- **5-Year Limited Warranty**
- **Copper Ends** – protect against dezincification and stress corrosion cracking
- **Max. Working Pressure:** 300 psi
- **Temperature Range:** 0°F to 250°F



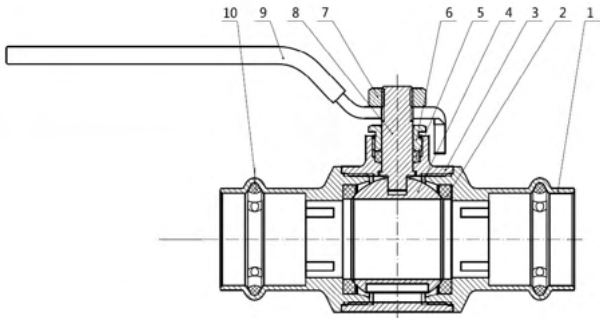
### Applicable Standards

- Designed to be used with ASTM B88 Type K, L and M ½" – 2" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" – 1¼"
- **IAPMO Z1157** Ball Valves
- **NSF/ANSI/Can 61:** Drinking Water System Components – Health Effects
- **NSF/ANSI/CAN 372:** Drinking Water System Components – Lead Content

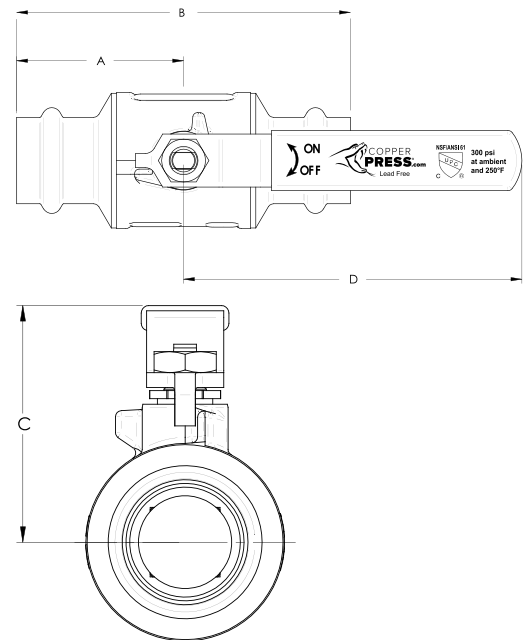
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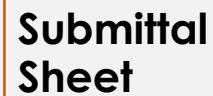
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Item	Description	Material	QTY	Specification
1	Retainer	Copper	2	C12200
2	Seat	PTFE	2	
3	Body	Bronze	1	C89836
4	Ball (Sizes ½"-1")	Chrome Plated Brass	1	C46500
4	Ball (Sizes 1¼"-2")	Stainless Steel	1	304
5	Stem Packing	PTFE	1	
6	Packing Gland	Brass	1	HPb59-3P
7	Stem Nut	Zinc Plated Steel	1	Q235
8	Stem	Brass	1	C46500
9	Handle	Zinc Plated Steel	1	Q235
10	Sealing Element	EPDM	2	



Ball Valve							P x P
Part Number	Nominal Size (in)	Dimensions (in)					Weight (lbs)
EPDM		A Port Ø	A	B	C	D	
MB70000	½"	0.50	1.56	3.11	1.70	3.94	0.54
MB70010	¾"	0.75	1.89	3.78	1.84	3.94	0.79
MB70020	1"	1.00	2.24	4.49	2.37	4.92	1.39
MB70030	1¼"	1.25	2.56	5.12	3.02	5.84	2.74
MB70040	1½"	1.50	2.83	5.67	3.16	6.30	4.30
MB70050	2"	2.00	3.44	6.89	4.21	7.87	7.30

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## LOCATIONS

**SPARKS DISTRIBUTION CENTER**  
200 Vista Boulevard Suite #106  
Sparks, NV 89434

**LONG BEACH PIPE DEPOT**  
2396 E. Artesia Blvd  
Long Beach, CA 90805

**DALLAS DISTRIBUTION CENTER**  
10614 King William Drive  
Dallas, TX 75220

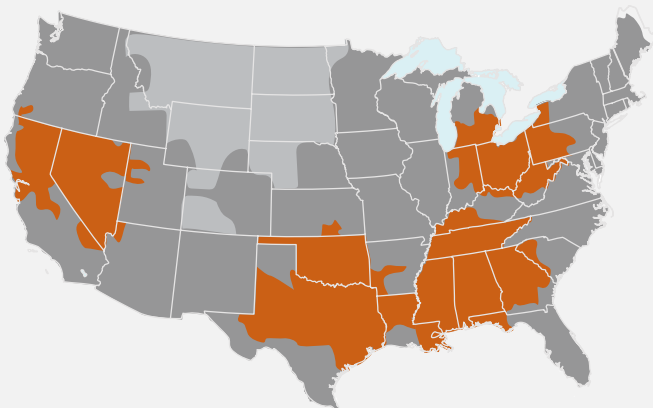
**CLEVELAND HEADQUARTERS**  
One Merit Drive/PO Box 43127  
Cleveland, OH 44143

**BIRMINGHAM DISTRIBUTION CENTER**  
220 Oxmoor Court  
Birmingham, AL 35209

**HOUSTON DISTRIBUTION CENTER**  
4680 S. Sam Houston Pkwy W, Suite 120  
Houston, TX 77053

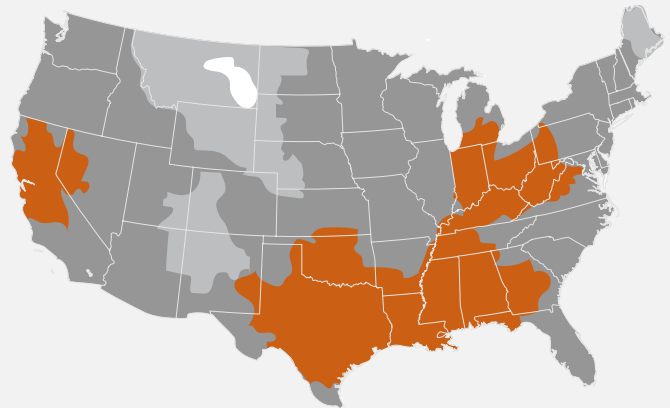
## SHIPPING TIMES

### UPS



1 Day 2 Days 3 Days

### FedEx



1 Day 2 Days 3 Days 4 Days

\*FedEx is Merit's Primary Carrier

### LEARN MORE



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Merit Brass Headquarters Has An ISO 9001:2015 Registered Quality Management System

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