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CopperPress®

By Merit Brass Co.

SUBMITTAL PACKAGE

MERIT BRASS
DIRECTING THE FLOW OF *Quality*

Merit Brass Co.
One Merit Dr. • PO Box 43127
Cleveland, OH 44143

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TECHNICAL DATA

Merit's **CopperPress®** Fittings offer the most comprehensive copper press offering with over 350 SKUs. In addition, **CopperPress®** has an innovative VIPR® (Visual Indicator Press Ring®) band to save time and money in project installations. Our fittings are available in sizes ½" through 4". This system is suitable for use on ASTM B88 Type K, L, and M copper tubing in the hard drawn condition and soft copper tubing in sizes ½" – 1¼". There are several pressing tools that can be used with the **CopperPress®** system, see Tooling Reference Guide on page 13. **CopperPress®** fittings offer several end connections: press x press, press x male and press x female to allow for connectivity in a threaded piping system. Conversion to flanged systems can be made with ANSI Class 125/150 Flange Adapters. Where breaks in pipe work may be needed, the Union Coupling can be used for quick and easy connections/disconnections.

Merit's installation instructions for our **CopperPress®** Fittings include several steps (see pages 9 – 12). These steps include: cutting and deburring the tubing, checking the press fitting, marking and inserting the tubing into the fitting, confirming your tool & jaw, positioning your tool and forming the press connection with the fitting & tubing together to form a pipe joint using one of the pressing tools (see page 13) identified in the installation instructions (see pages 9 – 12).

CopperPress® fittings are a solution that saves you time, money and allows you to quickly install a piping system across several applications. Typical Applications for **CopperPress®** include: hydronic heating, low pressure steam, hot & cold potable water, and conveyances of fluids/water, fuel, oil & lubricant and lubricant (see page 5 for Approved Application details). In addition, **CopperPress®** fittings are available with an EPDM sealing element, making them suitable for use in numerous applications such as plumbing or mechanical installations. **CopperPress®** fittings also incorporate a unique sealing element design that provides an important Leak-Before Press (LBP)feature. When the fitting and tubing are pressed together, they deform to create a durable permanent pipe joint, while the sealing element compresses to make the joint leak-proof. An unpressed fitting allows a leak path for liquids and gases, thereby enabling an installer to identify the unpressed fittings easily. The Leak-Before-Press (LBP)feature significantly reduces the change of unpressed joints, helping to ensure a leak-free system. Learn more about the benefits and features on page 7.

<table>
<tr><th>Project information</th><th>Approval stamp</th><th>Application</th></tr>
<tr><td>Project:</td><td>☐ Approved</td><td>☐ Argon</td></tr>
<tr><td rowspan="2">Address:</td><td>☐ Approved As Noted</td><td>☐ Carbon Dioxide</td></tr>
<tr><td>☐ Not Approved</td><td>☐ Chilled Water</td></tr>
<tr><td>Contractor:</td><td rowspan="7">Remarks:</td><td>☐ Compressed Air – Oil Concentrate <25</td></tr>
<tr><td>Engineer:</td><td>☐ Compressed Air – Oil Concentrate >25</td></tr>
<tr><td>Submittal Date:</td><td>☐ Hydronic Heating</td></tr>
<tr><td>Notes 1:</td><td>☐ Low-Pressure Steam</td></tr>
<tr><td></td><td>☐ Nitrogen</td></tr>
<tr><td>Notes 2:</td><td>☐ Vacuum</td></tr>
<tr><td></td><td>Other _____</td></tr>
</table>

SEALING APPLICATIONS

EPDM (Ethylene-propylene-diene monomer): Black color code and 0° to 250°F See below table for common applications and benefits of the sealing element. Details of approved applications may be found on page 5.

Fitting Housing

Fittings shall be constructed of UNS C12200 copper or equivalent

Working Pressure

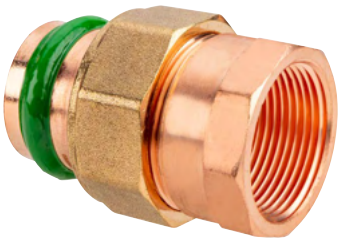
Working Pressure Range from Full Vacuum 300 psi.

EPDM SEALING ELEMENT		
EPDM	Ethylene-propylene-diene monomer	
Color	Black	
Temperature	0°F to 250°F	
Common Applications	Potable Water	
	Hydronic Heating (W/ Glycol)	
	Chilled Water	
Manufacturing Process	Synthetically manufactured & peroxide-cured	
Benefits of Sealing Element	Excellent oxidation resistance	

APPROVED APPLICATIONS

Types Of Service		System Operating Conditions			Copperpress® Seal
		Notes	Pressure	Temperature	EPDM
FLUIDS/ WATER	Chilled Water	Ethylene Glycol/Propylene Glycol	300 psi	32°F - 250°F	✓
	Cooling Water	Up to 50% Ethylene Glycol or Propolene Glycol Solution	300 psi	32°F - 250°F	✓
	Hot & Cold Potable Water		300 psi	32°F - 250°F	✓
	Hydronic Heating	Ethylene Glycol/Propylene Glycol	300 psi	32°F - 250°F	✓
	Low-Pressure Steam		Up to 15 psi	248°F	✓
	Rainwater/Gray Water		300 psi	32°F - 250°F	✓
FUEL, OIL & LUBRICANT	Ethanol	Pure Grain Alcohol	300 psi	32°F - 250°F	✓
GAS	Argon	Welding Use	300 psi	Ambient	✓
	Carbon Dioxide - CO2	Dry	300 psi	32°F - 250°F	✓
	Compressed Air	Less Than 25mg/m3 Oil Content	300 psi	32°F - 250°F	✓
	Hydrogen - H2		125 psi	0°F - 250°F	✓
	Nitrogen - N2		300 psi	32°F - 250°F	✓
	Oxygen - O2 (Non-Med)	Keep Oil and Fat Free/Non-Liquid O2	140 psi	Up to 140°F	✓
	Vacuum		29.2 in Hg	Call	✓

All tubing must comply with the ASTM B88 standard. Approved for installations in above and below ground applications as allowed by local code. Contact Merit Brass for information regarding specific applications.



CERTIFICATIONS

CopperPress® Fitting Codes & Standards

- ASME B31.1 Power Piping, B31.3 Process Piping, B31.9 Building Services Piping
- IPC, IMC, IRC, UPC, UMC
- CPC & CMC (California Plumbing and Mechanical Codes)
- City of Los Angeles Plumbing and Mechanical Codes
- Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code
- Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28

CopperPress® Fitting Certifications

- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1117 Press Connections
- NSF/ANSI/CAN 61 Drinking Water System Components – Health Effects
- NSF/ANSI/CAN 372 Drinking Water System Components – Lead Content

CopperPress® Fitting Pressures & Temperatures

- **Temperature Range:** 0°F to 250°F
- **Operating Pressure:** 300 psi

CopperPress® Ball Valve Codes & Standards

- ASME B31.1 Power Piping, B31.3 Process Piping, B31.9 Building Services Piping
- IPC, IMC, IRC, UPC, UMC
- CPC & CMC (California Plumbing and Mechanical Codes)
- City of Los Angeles Plumbing and Mechanical Codes
- Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code
- Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28

CopperPress® Ball Valve Certifications

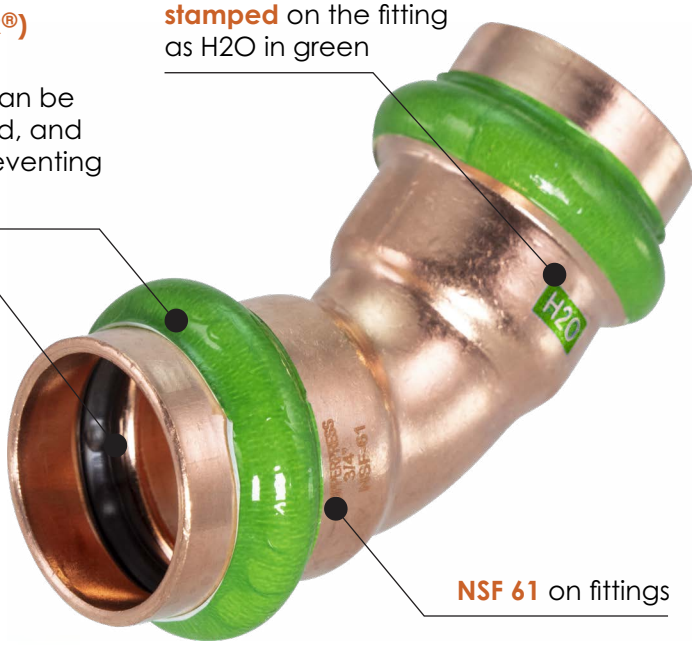
- ICC-ES LC 1002 Press Connection Fittings for Potable Water Tube and Radiant Heating Systems
- IAPMO/ANSI/CAN Z1157 Ball Valves
- NSF/ANSI/CAN 61 Drinking Water System Components – Health Effects
- NSF/ANSI/CAN 372 Drinking Water System Components – Lead Content

FEATURES & BENEFITS

50-Year Limited Warranty on Fittings and 5-Year on Valves. Available in Sizes ½" – 4" Copper Tube Size (CTS). Fully Captured Grab Ring on 2½" & above. VIPR® facilitates immediate identification of unpressed connection as well as application.

The patented Visual Indicator Press Ring® (VIPR®) gives redundancy in identifying unpressed connections. The color-coded plastic sleeve can be easily removed when the connection is pressed, and also indicates the sealing element material preventing costly and potentially unsafe installation errors

Water application stamped on the fitting as H2O in green



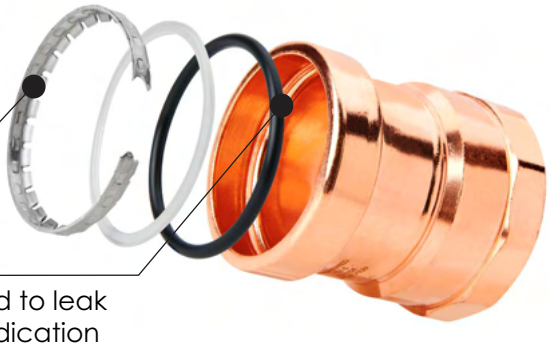
Leak Before Press (LBP) System designed to leak before they are pressed, giving a visual indication of a connection that has not been pressed. ½" has a 3-Path LBP, ¾" – 2" have a 4-Path LBP System. 2.5" – 4" also have LBP

NSF 61 on fittings

Most Comprehensive Package with over 350 SKUs

Box, bag and VIPR® are Color-Coordinated to the Sealing Element

Grab Ring deforms and grips outside diameter of pipe



Engineered sealing elements are designed to leak before they are pressed, giving a visual indication of a connection that has not been pressed

EPDM SYSTEM DATA SHEET

The Merit **CopperPress®** system is available in ½" – 4" on fittings and ½" – 2" on valves. This system joins ASTM B88 Type K, L, and M ½" – 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" – 1¼". **CopperPress®** is available in the EPDM sealing element. Our first to market VIPR® technology provides assurances that each fitting is pressed correctly as the band easily removes after it has been pressed. In addition, **CopperPress®** has a leak before press system which gives a visual indication of a connection that has not been pressed.

The Merit CopperPress® offering includes:

- Adapters: Flange, Pex (B), Male, Female
- Cap
- Couplings: with Stop, w/o Stop and Extended w/o Stop
- 45° Elbows: Standard & Street
- 90° Elbows: Standard & Street
- Tees: Standard, Reducing and Reducing (P x FPT)
- Unions: Female, Male, Dielectric Female and Standard
- Cross Over: Street and Standard

Product Components:

- Lead-free dezincification resistant copper
- EPDM black sealing element
- Box, bag and band are color-coded GREEN for ease of receipt and proper installation per application

Working Pressure & Temperature:

- Working pressure range from full vacuum to 300 psi
- Temperature Range: EPDM 0° to 250°F

CopperPress® Certifications:

- ICC-ES LC1002
- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372
- IAPMO Z 1117

CopperPress® Valve Certifications:

- ICC-ES LC 1002
- IAPMO/ANSI/CAN Z1157
- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372

Approved Applications (see page 5)**:**

- Hot & Cold Potable water, Rainwater/ Gray Water, Chilled Water, Hydronic Heating, Cooling water, low pressure steam, ethanol.

Approved Piping:

- ASTM B88 Type K, L, and M ½" – 4" copper tubing in the hard-drawn condition and soft copper tubing in sizes ½" – 1¼".

Press Tooling Reference Guide (see page 13).

Please contact our sales team for additional information around our **CopperPress®** offering at 800.726.9800.

INSTALLATION INSTRUCTIONS

Small Diameter (SD)

WARNING: **CopperPress®** fittings must be installed in accordance with this section. Always ensure that the pressing tool and its jaws are appropriate for the copper tubing and size of fitting. Always refer to the pressing tool manufacturer's instructions for operation and maintenance prior to use with **CopperPress®** fittings. Always wear PPE such as a hardhat, gloves, and safety glasses when making press connections. Failure to follow these instructions may void the warranty and result in extensive property damage, serious injury or death.

1. Cut copper tubing
After selecting the correct size of copper tubing for the job, ensure that it is clean and free from imperfections. Once inspected, cut the copper tubing at right angles using displacement type cutter or fine-toothed steel saw. Avoid jagged edges or scratching the tubing's surface. When cutting tubing, it must be cut all the way through. Never partially cut the copper tubing and break it off as it could cause leakage.

2. Deburr pipe
After the tubing is cut to length, deburr the inside and outside with a file, hand deburrer or an electrical pipe deburrer to remove debris and prevent damage to the sealing element. Once the tubing has been deburred, lightly clean the end of the tubing with a piece of sand cloth or similar material to ensure a smooth, and oil-free surface.

3. Check press fittings
In addition to checking the tubing for any imperfections, check the fitting to ensure that it is free of debris, burrs, etc., and that the sealing element is present and appropriate for the application. If the sealing element is lifted from its bead pocket, gently push it back into place being sure to not transfer dirt or debris to the sealing surface. When checking the seal for the correct fit, do not use oil and lubricants.

4. Measure & mark tubing
With a permanent marker, mark the proper insertion depth at the appropriate distance from the end of the tubing as indicated in the **CopperPress®** Insertion Depth Chart.

NOTE: improper insertion depth may result in an improper seal.

5. Insert pipe into fitting
Carefully insert the tubing into the fitting to the prescribed insertion depth. The insertion depth mark must be visible after the tubing is inserted in to the fitting to identify any movement that may occur before or after the pressing. In the instance that a fitting does not have a stop, the fitting must be centered between the tubing ends, however, the minimum tubing insertion depth must be maintained and marked.

NOTE: if the tubing is roughly or carelessly inserted into the press fitting, it may cause damage to the sealing element.

6. Verify tool & jaw
Verify that the tool and jaw being used for the application are the appropriate size for the fitting using an approved press tool from the **CopperPress® Tooling Table**.

NOTE: failure to follow these instructions may void the warranty.

CopperPress® Insertion Depth Chart					
Tube Size					
0.5"	0.75"	1"	1.25"	1.50"	2"
Insertion Depth					
3/4"	7/8"	7/8"	1"	1-7/16"	1-9/16"

7. Position tool
Ensure jaw pressing surfaces are free from debris. Once inspected, insert the approved jaw into the pressing tool and push in, hold the pin until it locks in placed. Next, open the jaws and visually check the insertion depth using the mark on the tubing.

8. Press connection
To begin the pressing process, position the tool jaws on the raised portion at the fitting end(s) then squeeze until the trigger has engaged the sealing element or VIPR® (Visual Indicator Press Ring®). The press tool will complete a cycle then stop. Do no release the trigger until the pressing action is complete. An incomplete press may reduce the pressure retention capabilities of the joint and lead to subsequent system leakage.

9. Remove tool & Inspect press connection
Once the tool has completed a full pressing cycle, release the trigger, and remove the jaw from the fitting. Once the jaw is removed from the fitting, the VIPR® will break off, indicating a complete press.

NOTE: if the VIPR® does not instantly break off, simply remove by hand. Leak testing Unpressed connections can be identified prior to pressurization by the presence of the VIPR® on the bead outer diameter.

Leak testing

Unpressed connections can be identified prior to pressurization by the presence of the VIPR® on the bead outer diameter. The **CopperPress®** sealing element is designed to physically leak while unpressed when the system is pressurized with air (45 psi max) or water (85 psi max) or per local codes, giving redundant assurance of installation integrity.

INSTALLATION INSTRUCTIONS

Large Diameter (XL)

WARNING: **CopperPress®** fittings must be installed in accordance with this section. Always ensure that the pressing tool and its jaws are appropriate for the copper tubing and size of fitting. Always refer to the pressing tool manufacturer's instructions for operation and maintenance prior to use with **CopperPress®** fittings. Always wear PPE such as a hardhat, gloves, and safety glasses when making press connections. Failure to follow these instructions may void the warranty and result in extensive property damage, serious injury or death.

1. Cut copper tubing
After selecting the correct size of copper tubing for the job, ensure that it is clean and free from imperfections. Once inspected, cut the copper tubing at right angles using displacement type cutter or fine-toothed steel saw. Avoid jagged edges or scratching the tubing's surface. When cutting tubing, it must be cut all the way through. Never partially cut the copper tubing and break it off as it could cause leakage.

2. Deburr pipe
After the tubing is cut to length, deburr the inside and outside with a file, hand deburrer or an electrical pipe deburrer to remove debris and prevent damage to the sealing element. Once the tubing has been deburred, lightly clean the end of the tubing with a piece of sand cloth or similar material to ensure a smooth, and oil-free surface.

3. Check press fittings
In addition to checking the tubing for any imperfections, check the fitting to ensure that it is free of debris, burrs, etc., and that the sealing element is present and appropriate for the application. If the sealing element is lifted from its bead pocket, gently push it back into place being sure to not transfer dirt or debris to the sealing surface. When checking the seal for the correct fit, do not use oil and lubricants.

4. Measure & mark tubing
With a permanent marker, mark the proper insertion depth at the appropriate distance from the end of the tubing as indicated in the **CopperPress®** Insertion Depth Chartt.

NOTE: improper insertion depth may result in an improper seal.

5. Insert pipe into fitting
Carefully insert the tubing into the fitting to the prescribed insertion depth. The insertion depth mark must be visible after the tubing is inserted in to the fitting to identify any movement that may occur before or after the pressing. In the instance that a fitting does not have a stop, the fitting must be centered between the tubing ends, however, the minimum tubing insertion depth must be maintained and marked.

NOTE: if the tubing is roughly or carelessly inserted into the press fitting, it may cause damage to the sealing element.

6. Verify tool, ring & jaw
Verify that the tool, ring and jaw being used for the application are the appropriate size for the fitting using an approved press tool from the **CopperPress® Tooling Table**.

NOTE: failure to follow these instructions may void the warranty.

CopperPress® Insertion Depth Chart		
Tube Size		
2.5"	3"	4"
Insertion Depth		
1-11/16"	1-15/16"	2 - 3/8"

7. Position tool
Ensure jaw pressing surfaces and ring are free from debris. Once inspected, insert the approved jaw into the pressing tool and push in, hold the pin until it locks in placed. Open the jaw on the press tool and close on the appropriate location on the ring. Next, open the ring and visually check the insertion depth using the mark on the tubing. Place the press ring onto the fitting, being sure to align it with the raised, grip-ring, portion of the fitting.

8. Press connection
To begin the pressing process, position the tool rings on the raised portion at the fitting end(s) then squeeze until the trigger has engaged the sealing element. The press tool will complete a cycle then stop. Do no release the trigger until the pressing action is complete. An incomplete press may reduce the pressure retention capabilities of the joint and lead to subsequent system leakage.

9. Remove tool & Inspect press connection
Once the tool has completed a full pressing cycle, release the trigger, and remove the ring from the fitting. Once the ring is removed from the fitting, remove the application label sticker to complete the process.

Leak testing

Unpressed connections can be identified prior to pressurization by the presence of the VIPR® on the bead outer diameter. The **CopperPress®** sealing element is designed to physically leak while unpressed when the system is pressurized with air (45 psi max) or water (85 psi max) or per local codes, giving redundant assurance of installation integrity.

TOOLING REFERENCE GUIDE

CopperPress® Tools, Kits, Jaws and Rings							
Size	**Milwaukee Part #**	**Tooling Name**	**Adapter**	**Ridgid Part #**	**Tooling Name**	**Adapter**	**Profile**
0.5" - 4"	2773-20	M18 Force Logic Press Tool		67063	RP 350 Press Tool		
0.5" - 2"	2773-22	M18 Force Logic Press Tool w/Jaws (0.5" - 2")		67053	RP 350 Press Tool w/Jaws (0.5" - 2")		
0.5"	49-16-2650	0.5" M18 Jaw		76652	0.5" Press Jaw		CTS - V
0.75"	49-16-2651	0.75" M18 Jaw		76657	0.75" Press Jaw		CTS - V
1"	49-16-2652	1" M18 Jaw		76662	1" Press Jaw		CTS - V
1.25"	49-16-2653	1.25" M18 Jaw		76667	1.25" Press Jaw		CTS - V
1.5"	49-16-2654	1.5" M18 Jaw		76672	1.5" Press Jaw		CTS - V
2"	49-16-2655	2" M18 Jaw		76677	2" Press Jaw		CTS - V
2.5"	49-16-2656	2.5" M18 Ring	49-16-2659	20543	2.5" Press Ring	21878	CTS - Grab Ring
3"	49-16-2657	3" M18 Ring	49-16-2659	20548	3" Press Ring	21878	CTS - Grab Ring
4"	49-16-2658	4" M18 Ring	49-16-2659	20553	4" Press Ring	21878	CTS - Grab Ring
2.5" - 4"	49-16-2659	Ring Jaw 1		21878	V2 Press Ring Actuator		
2.5" - 4"	49-16-2690	M18 Press Ring Kit (2.5" - 4")		20483	2.5" - 4" Press Rings and V2 Actuator		

***CopperPress®**, by Merit Brass Co. products can be used with Milwaukee, REMS, Ridgid, and Rothenberger tools with the associated Jaws for K, L, and M Copper Tube. Please contact Merit Brass Co. for additional information.*

Coupling with Stop — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Coupling with Stop P x P is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

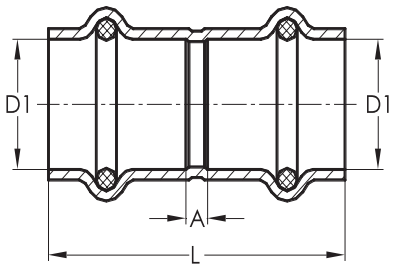
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Coupling with Stop — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB12230	½"	1.61	0.12
MB12240	¾"	2.05	0.16
MB12250	1"	2.05	0.16
MB12260	1¼"	2.44	0.16
MB12270	1½"	3.03	0.16
MB12280	2"	3.35	0.16



XL Coupling with Stop — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Coupling with Stop P x P is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

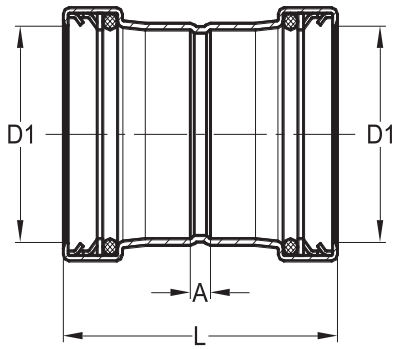
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Coupling with Stop — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB22230	2½"	3.86	0.39
MB22240	3"	4.37	0.35
MB22250	4"	5.20	0.39



Coupling w/o Stop — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Coupling w/o Stop P x P is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

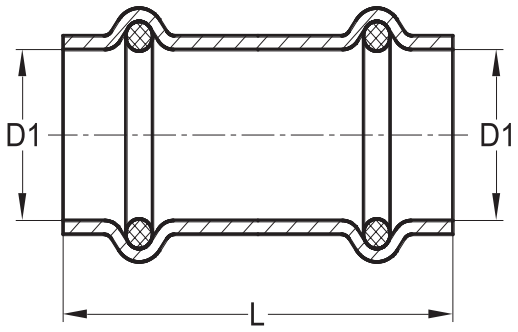
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Coupling w/o Stop — P x P

Item Number EPDM	D1 (in)	L (in)
MB12290	½"	1.69
MB12300	¾"	2.05
MB12310	1"	2.05
MB12320	1¼"	2.44
MB12330	1½"	3.03
MB12340	2"	3.35



XL Coupling w/o Stop — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Coupling w/o Stop P x P is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

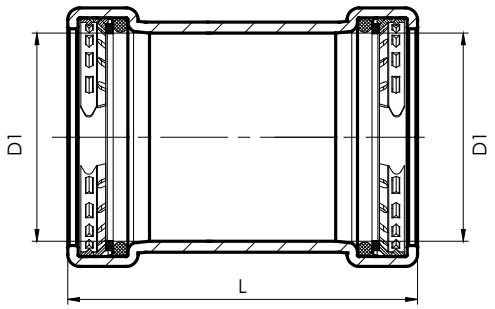
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

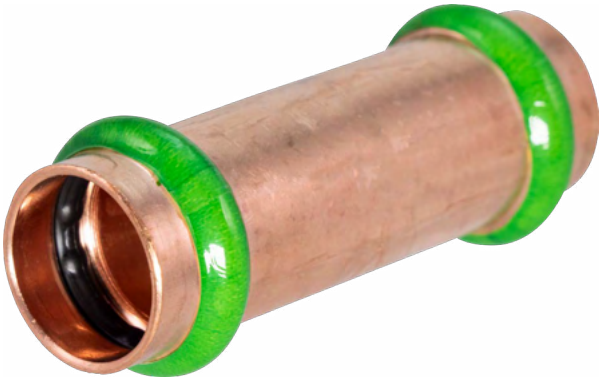
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Coupling w/o Stop — P x P

Item Number EPDM	D1 (in)	L (in)
MB22260	2½"	3.86
MB22270	3"	4.37
MB22280	4"	5.20



Extended Coupling w/o Stop — P x P



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Extended Coupling w/o Stop P x P is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

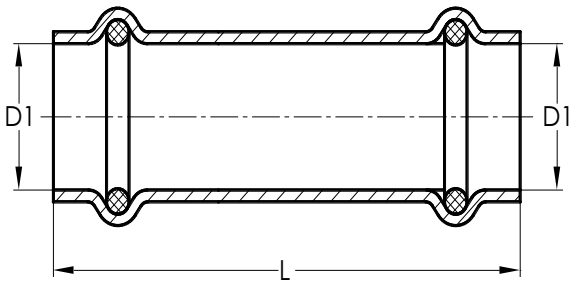
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Extended Coupling w/o Stop — P x P

Item Number EPDM	D1 (in)	L (in)
MB12350	½"	2.99
MB12360	¾"	3.50
MB12370	1"	3.74
MB12380	1¼"	4.13
MB12390	1½"	4.72
MB12400	2"	5.31



Reducing Coupling — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Reducing Coupling P x P is available in sizes ¾" x ½" – 2" x 1½" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

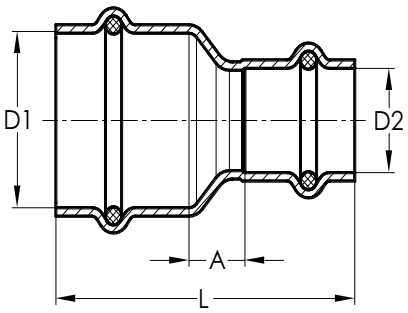
Reducing Coupling — P x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB12410	¾"	½"	2.11	0.35
MB12420	1"	½"	2.26	0.51
MB12430	1"	¾"	2.24	0.35
MB12435	1¼"	½"	2.68	0.73
MB12440	1¼"	¾"	2.66	0.57
MB12450	1¼"	1"	2.50	0.41
MB12455	1½"	½"	3.27	0.93
MB12460	1½"	¾"	3.23	0.83
MB12470	1½"	1"	3.03	0.63
MB12480	1½"	1¼"	3.07	0.47
MB12485	2"	½"	3.86	1.36
MB12490	2"	¾"	3.76	1.20
MB12500	2"	1"	3.54	0.98
MB12510	2"	1¼"	3.58	0.83
MB12520	2"	1½"	3.76	0.69

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Reducing Coupling — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Reducing Coupling P x P is available in sizes 2½" x 1" – 4" x 3" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

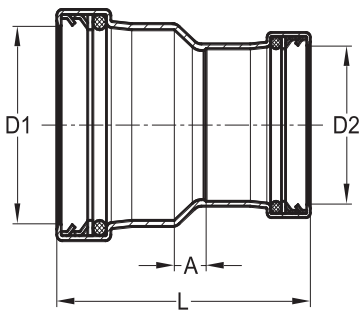
XL Reducing Coupling — P x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB22290	2½"	1"	4.07	1.40
MB22300	2½"	1¼"	3.90	1.02
MB22310	2½"	1½"	4.17	0.98
MB22320	2½"	2"	3.98	0.63
MB22330	3"	1¼"	4.76	1.61
MB22340	3"	1½"	4.76	1.30
MB22350	3"	2"	4.65	1.02
MB22360	3"	2½"	4.29	0.55
MB22370	4"	2"	5.98	1.97
MB22380	4"	2½"	5.47	1.34
MB22390	4"	3"	5.24	0.83

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



Bushing Reducer — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Bushing Reducer FTG x P is available in sizes ¾" x ½" – 2" x 1½" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

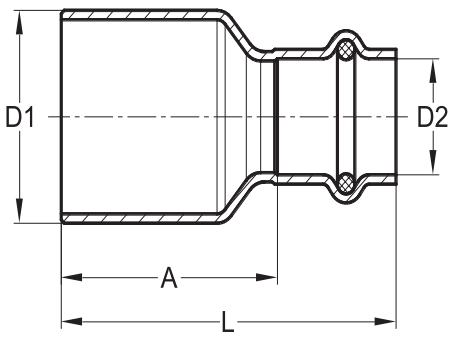
Bushing Reducer — FTG x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB12530	¾"	½"	2.15	1.34
MB12540	1"	½"	2.32	1.52
MB12550	1"	¾"	2.24	1.30
MB12560	1¼"	½"	2.64	1.83
MB12570	1¼"	¾"	2.64	1.69
MB12580	1¼"	1"	2.52	1.57
MB12585	1½"	½"	3.03	2.22
MB12590	1½"	¾"	3.11	2.17
MB12600	1½"	1"	2.95	2.01
MB12610	1½"	1¼"	3.03	1.89
MB12613	2"	½"	3.66	2.85
MB12617	2"	¾"	3.74	2.80
MB12620	2"	1"	3.54	2.60
MB12630	2"	1¼"	3.58	2.44
MB12640	2"	1½"	3.70	2.24

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Bushing Reducer — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Bushing Reducer FTG x P is available in sizes 2½" x 1" – 4" x 3" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

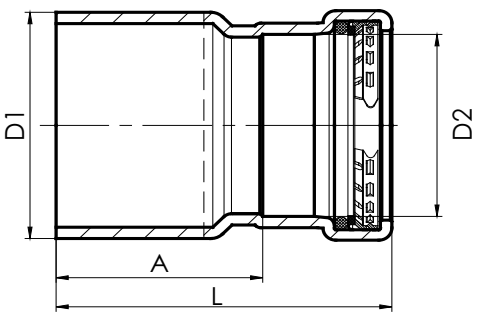
XL Bushing Reducer — FTG x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB22400	2½"	1"	4.25	3.31
MB22410	2½"	1¼"	4.06	2.91
MB22420	2½"	1½"	4.29	2.83
MB22430	2½"	2"	4.25	2.64
MB22440	3"	1¼"	4.53	3.39
MB22450	3"	1½"	4.92	3.46
MB22460	3"	2"	4.80	3.19
MB22470	3"	2½"	4.53	2.80
MB22480	4"	2"	6.18	4.57
MB22490	4"	2½"	5.79	4.06
MB22500	4"	3"	5.71	3.70

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



90° Elbow — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Elbow P x P is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

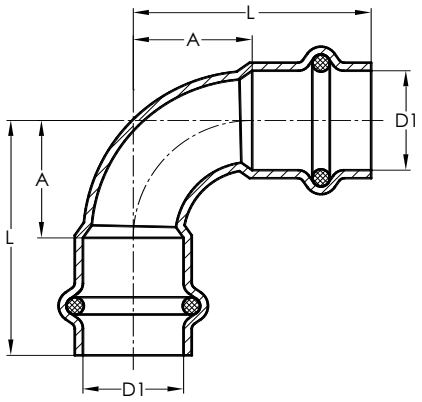
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

90° Elbow — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB11230	½"	1.56	0.75
MB11240	¾"	1.97	1.02
MB11250	1"	2.24	1.30
MB11260	1¼"	2.64	1.50
MB11270	1½"	3.23	1.77
MB11280	2"	3.98	2.36



XL 90° Elbow — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter 90° Elbow P x P is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
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CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

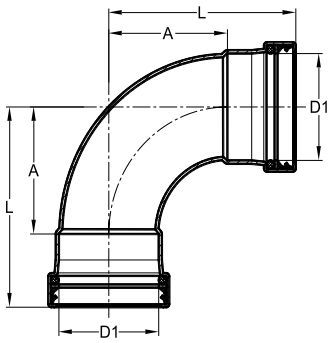
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL 90° Elbow — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB22110	2½"	4.84	3.11
MB22120	3"	5.71	3.70
MB22130	4"	7.17	4.76



90° Reducing Elbow — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Reducing Elbow P x P is available in sizes ¾" x ½" – 1" x ¾" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

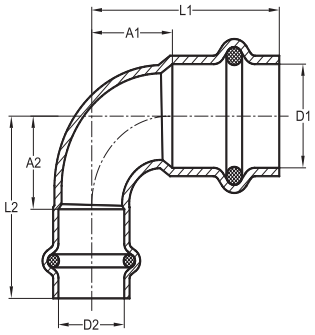
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

90° Reducing Elbow — P x P

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB24560	¾"	½"	1.83	0.89	1.69	0.89
MB24570	1"	¾"	2.30	1.36	2.01	1.06



90° Street Elbow — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Street Elbow FTG X P is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

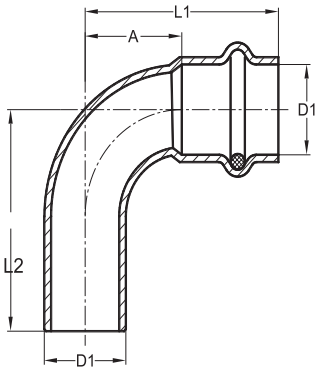
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

90° Street Elbow — FTG x P

Item Number EPDM	D1 (in)	L1 (in)	A (in)	L2 (in)
MB11350	½"	1.56	0.75	1.73
MB11360	¾"	2.03	1.08	2.13
MB11370	1"	2.24	1.30	2.36
MB11380	1¼"	2.64	1.50	2.93
MB11390	1½"	3.23	1.77	3.54
MB11400	2"	3.98	2.17	4.29



XL 90° Street Elbow — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter 90° Street Elbow FTG x P is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

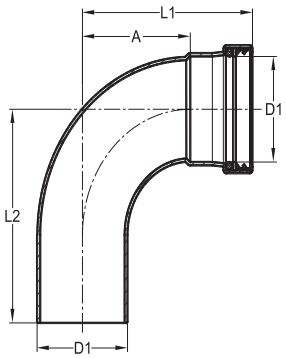
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL 90° Street Elbow — FTG x P

Item Number EPDM	D1 (in)	L1 (in)	A (in)	L2 (in)
MB22140	2½"	4.69	2.95	5.16
MB22150	3"	5.55	3.54	6.06
MB22160	4"	7.17	4.76	7.64



90° Drop Ear Elbow — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Drop Ear Elbow FTG x P is available in sizes ½" x ⅜" FPT – ¾" x ¾" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

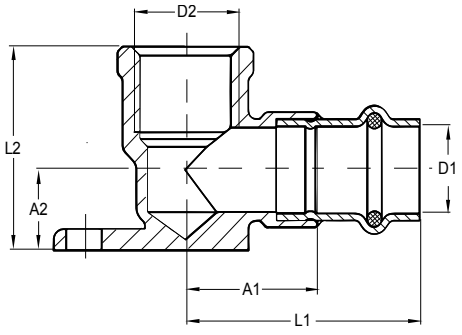
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

90° Drop Ear Elbow — FTG x P

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB24590	½"	⅜" FPT	1.77	0.94	1.36	0.59
MB24600	½"	½" FPT	1.77	0.94	1.77	0.94
MB24610	¾"	¾" FPT	2.13	1.18	2.13	1.18



90° Male Elbow — P x MPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Male Elbow P x MPT is available in sizes ½" x ½" – 2" x 2" MPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

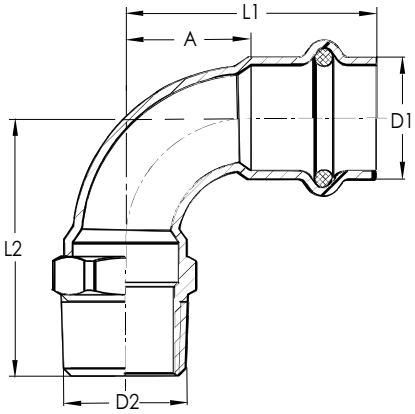
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

90° Male Elbow — P x MPT

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A (in)	L2 (in)
MB47990	½"	½" MPT	1.56	0.75	1.87
MB48000	½"	¾" MPT	2.01	1.20	2.01
MB48010	¾"	½" MPT	2.15	1.20	2.15
MB48012	¾"	¾" MPT	2.03	1.09	2.11
MB48015	1"	1" MPT	2.24	1.28	2.76
MB48020	1¼"	1¼" MPT	2.64	1.50	2.64
MB48030	1½"	1½" MPT	3.23	1.77	3.23
MB48040	2"	2" MPT	4.25	2.64	4.25



90° Female Elbow — P x FPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 90° Female Elbow P x FPT is available in sizes ½" x ⅜" FPT – 2" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

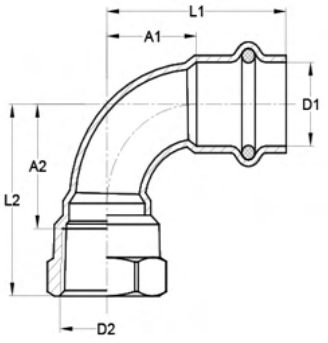
90° Female Elbow — P x FPT

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB49000	½"	⅜" FPT	1.56	0.75	1.46	1.02
MB49010	½"	½" FPT	1.73	0.93	1.81	1.30
MB49020	½"	¾" FPT	1.73	0.93	1.93	1.34
MB49030	¾"	½" FPT	2.03	1.08	1.97	1.46
MB49040	¾"	¾" FPT	2.03	1.08	2.09	1.50
MB49050	1"	½" FPT	2.24	1.30	2.22	1.71
MB49060	1"	1" FPT	2.24	1.30	2.52	1.85
MB49070	1¼"	1¼" FPT	2.64	1.50	3.01	2.22
MB49080	1½"	1½" FPT	3.23	1.77	3.27	2.48
MB49090	2"	2" FPT	3.98	2.36	4.21	3.27

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



45° Elbow — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 45° Elbow is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

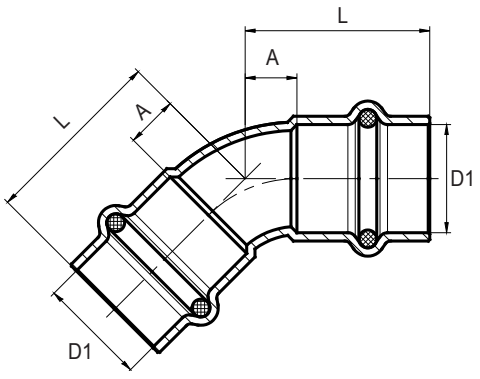
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

45° Elbow — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB11470	½"	1.10	0.30
MB11480	¾"	1.40	0.45
MB11490	1"	1.42	0.47
MB11500	1¼"	1.97	0.83
MB11510	1½"	2.30	0.85
MB11520	2"	2.44	0.83



XL 45° Elbow — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter 45° Elbow is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

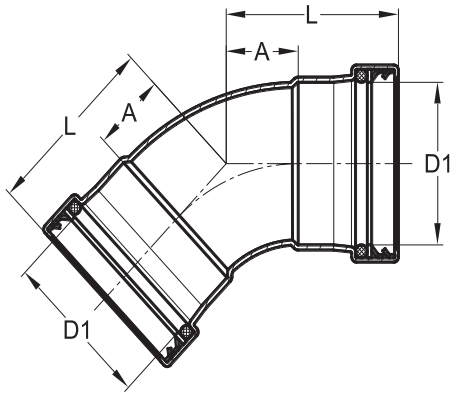
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL 45° Elbow — P x P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB22170	2½"	3.15	1.42
MB22180	3"	3.70	1.69
MB22190	4"	4.80	2.40



45° Street Elbow — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter 45° Street Elbow is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

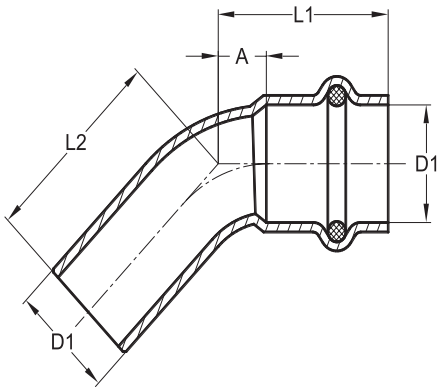
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

45° Street Elbow — FTG x P

Item Number EPDM	D1 (in)	L (in)	A (in)	L2 (in)
MB11590	½"	1.10	0.30	1.22
MB11600	¾"	1.40	0.45	1.46
MB11610	1"	1.52	0.57	1.57
MB11620	1¼"	1.97	0.83	1.94
MB11630	1½"	2.30	0.85	2.36
MB11640	2"	2.44	0.83	2.76



XL 45° Street Elbow — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter 45° Street Elbow is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

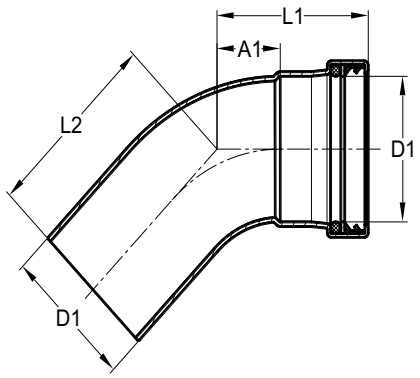
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL 45° Street Elbow — FTG x P

Item Number EPDM	D1 (in)	L (in)	A (in)	L2 (in)
MB22200	2½"	3.15	1.42	3.39
MB22210	3"	3.70	1.69	3.98
MB22220	4"	4.80	2.40	5.08



Equal Tee

P X P X P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Equal Tee is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

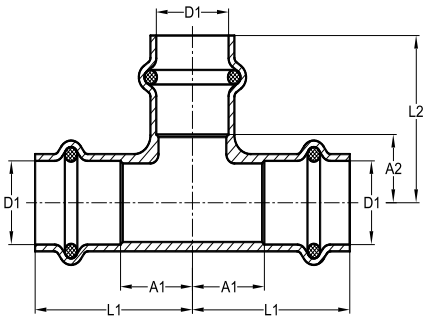
CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Equal Tee

P X P X P

Item Number EPDM	D1 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB14110	½"	1.56	0.75	1.28	0.47
MB14140	¾"	1.79	0.85	1.59	0.65
MB14190	1"	1.91	0.96	1.73	0.79
MB14280	1¼"	2.13	0.98	1.97	0.83
MB14400	1½"	2.62	1.16	2.76	1.30
MB14510	2"	2.99	1.38	3.15	1.54



XL Equal Tee P X P X P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Equal Tee is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

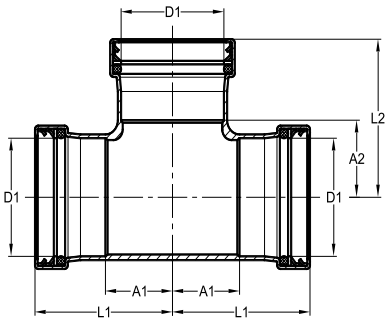
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Equal Tee P X P X P

Item Number EPDM	D1 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB24255	2½"	3.56	1.83	3.66	1.93
MB24440	3"	4.11	2.11	4.33	2.32
MB24550	4"	5.00	2.60	5.12	2.72



Unequal Tee P x P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Unequal Tee is available in sizes ½" x ¾" – 2" x 1½" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

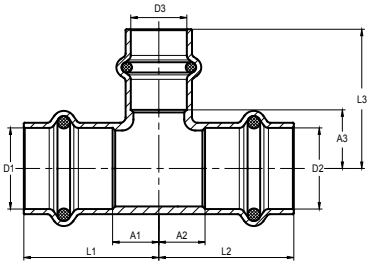
CopperPress® Operational Parameters:
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Unequal Tee P x P x P

Item Number EPDM	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
MB14120	½"	½"	¾"	1.71	0.91	1.71	0.91	1.54	0.59
MB14130	½"	½"	1"	2.22	1.42	2.22	1.42	1.73	0.79
MB14150	¾"	½"	½"	1.63	0.69	1.75	0.95	1.44	0.63
MB14160	¾"	½"	¾"	1.79	0.85	1.87	1.06	1.59	0.65
MB14170	¾"	¾"	½"	1.63	0.69	1.63	0.69	1.44	0.63
MB14180	¾"	¾"	1"	1.91	0.97	1.91	0.97	2.03	1.08
MB14195	1"	½"	½"	1.63	0.69	2.01	1.20	1.59	0.79
MB14200	1"	½"	¾"	1.79	0.85	2.13	1.32	1.73	0.79
MB14210	1"	½"	1"	1.91	0.97	2.22	1.42	1.73	0.79
MB14220	1"	¾"	½"	1.63	0.69	1.91	0.96	1.59	0.79
MB14230	1"	¾"	¾"	1.63	0.69	1.63	0.69	1.59	0.79
MB14240	1"	¾"	1"	1.79	0.85	1.79	0.85	1.73	0.79
MB14250	1"	1"	½"	1.79	0.85	2.01	1.06	1.73	0.79
MB14260	1"	1"	¾"	1.91	0.96	2.17	1.22	1.73	0.79
MB14270	1"	1"	1¼"	1.93	0.98	1.93	0.98	2.32	1.18
MB14290	1¼"	½"	1¼"	2.13	0.98	2.62	1.81	1.91	0.83



Unequal Tee (continued)									**P x P x P**
Item Number **EPDM**	**D1 (in)**	**D2 (in)**	**D3 (in)**	**L1 (in)**	**A1 (in)**	**L2 (in)**	**A2 (in)**	**L3 (in)**	**A3 (in)**
MB14300	1¼"	¾"	½"	1.77	0.63	2.19	1.24	1.93	1.12
MB14310	1¼"	¾"	¾"	1.87	0.73	2.28	1.34	1.97	1.02
MB14320	1¼"	¾"	1"	1.99	0.85	2.38	1.44	2.05	1.10
MB14330	1¼"	¾"	1¼"	2.13	0.98	2.44	1.50	1.97	0.83
MB14340	1¼"	1"	½"	1.77	0.63	2.09	1.14	1.93	1.12
MB14350	1¼"	1"	¾"	1.87	0.73	2.11	1.16	1.97	1.02
MB14360	1¼"	1"	1"	1.99	0.85	2.22	1.28	2.05	1.10
MB14365	1¼"	1"	1¼"	2.13	0.98	2.24	1.30	1.97	0.83
MB14370	1¼"	1¼"	½"	1.77	0.63	1.77	0.63	1.93	1.12
MB14380	1¼"	1¼"	¾"	1.87	0.73	1.87	0.73	1.97	1.02
MB14390	1¼"	1¼"	1"	1.99	0.85	1.99	0.85	2.05	1.10
MB14395	1½"	½"	1½"	2.61	1.16	2.91	2.11	2.76	1.30
MB14410	1½"	1"	¾"	2.13	0.67	2.36	1.42	2.09	1.14
MB14420	1½"	1"	1"	2.26	0.81	2.38	1.44	2.09	1.14
MB14430	1½"	1"	1½"	2.62	1.16	2.70	1.75	1.91	1.10
MB14435	1½"	1¼"	½"	1.93	0.47	2.15	1.00	1.91	1.10
MB14440	1½"	1¼"	¾"	2.13	0.67	2.28	1.14	2.09	1.14
MB14450	1½"	1¼"	1"	2.26	0.81	2.34	1.20	2.09	1.14
MB14460	1½"	1¼"	1¼"	2.38	0.93	2.54	1.40	2.24	1.10
MB14465	1½"	1¼"	1½"	2.62	1.16	2.78	1.63	2.76	1.30
MB14470	1½"	1½"	½"	1.93	0.47	1.93	0.47	1.91	1.10
MB14480	1½"	1½"	¾"	2.13	0.67	2.13	0.67	2.09	1.14
MB14490	1½"	1½"	1"	2.26	0.81	2.26	0.81	2.09	1.14
MB14500	1½"	1½"	1¼"	2.38	0.93	2.38	0.93	2.24	1.10
MB14515	2"	1"	1"	2.66	1.04	2.62	1.67	2.44	1.50
MB14520	2"	1¼"	1¼"	2.66	1.04	2.89	1.75	2.60	1.46
MB14530	2"	1½"	¾"	2.42	0.81	2.85	1.40	2.40	1.46
MB14540	2"	1½"	1"	2.54	0.93	2.93	1.48	2.44	1.50
MB14550	2"	1½"	1¼"	2.66	1.04	3.09	1.63	2.60	1.46
MB14560	2"	1½"	1½"	2.78	1.16	3.25	1.79	2.99	1.54
MB14570	2"	1½"	2"	2.99	1.38	3.43	1.97	3.15	1.54
MB14580	2"	2"	½"	2.42	0.81	2.42	0.81	2.52	1.71
MB14590	2"	2"	¾"	2.42	0.81	2.42	0.81	2.40	1.46
MB14600	2"	2"	1"	2.54	0.93	2.54	0.93	2.44	1.50
MB14610	2"	2"	1¼"	2.66	1.04	2.66	1.04	2.60	1.46
MB14620	2"	2"	1½"	2.78	1.16	2.78	1.16	2.99	1.54

XL Unequal Tee

P x P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Unequal Tee is available in sizes 2½" x ¾" x 2½" – 4" x 3""with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

XL Unequal Tee

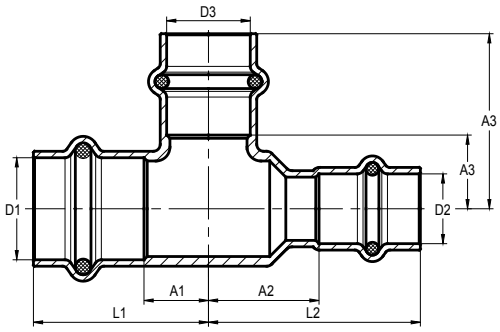
P x P x P

Item Number EPDM	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
MB24110	2½"	¾"	2½"	3.56	1.83	4.17	3.23	3.66	1.93
MB24120	2½"	1"	2½"	3.56	1.83	4.19	3.25	3.60	1.87
MB24130	2½"	1¼"	2½"	3.56	1.83	4.35	3.21	3.60	1.87
MB24140	2½"	1½"	2½"	3.56	1.83	4.61	3.15	3.60	1.87
MB24150	2½"	2"	¾"	3.25	1.52	3.72	2.11	3.74	2.80
MB24160	2½"	2"	1"	3.25	1.52	3.72	2.11	3.54	2.60
MB24165	2½"	2"	1¼"	3.25	1.52	3.72	2.11	3.58	2.44
MB24170	2½"	2"	1½"	3.25	1.52	3.72	2.11	3.74	2.28
MB24180	2½"	2"	2"	3.25	1.52	3.72	2.11	3.43	1.81
MB24190	2½"	2"	2½"	3.56	1.83	3.56	1.95	3.66	1.93
MB24200	2½"	2½"	½"	3.25	1.52	3.25	1.52	3.66	2.85
MB24210	2½"	2½"	¾"	3.25	1.52	3.25	1.52	3.70	2.76
MB24220	2½"	2½"	1"	3.25	1.52	3.25	1.52	3.58	2.64
MB24230	2½"	2½"	1¼"	3.25	1.52	3.25	1.52	3.58	2.44
MB24240	2½"	2½"	1½"	3.25	1.52	3.25	1.52	3.74	2.28
MB24250	2½"	2½"	2"	3.25	1.52	3.25	1.52	3.43	1.81

CopperPress® Operational Parameters:
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Unequal Tee (continued) — P x P x P

Item Number EPDM	D1 (in)	D2 (in)	D3 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)	L3 (in)	A3 (in)
MB24270	3"	¾"	3"	4.11	2.11	5.10	4.15	4.31	2.30
MB24280	3"	1"	3"	4.11	2.11	4.92	3.98	4.31	2.30
MB24290	3"	1¼"	3"	4.11	2.11	5.02	3.88	4.31	2.30
MB24300	3"	1½"	3"	4.11	2.11	5.10	3.64	4.31	2.30
MB24310	3"	2"	2"	3.64	1.63	4.35	2.74	3.76	2.15
MB24320	3"	2"	2½"	3.98	1.97	4.69	3.07	4.00	2.26
MB24330	3"	2"	3"	4.11	2.11	4.55	2.93	4.31	2.30
MB24340	3"	2½"	2"	3.64	1.63	4.15	2.42	3.76	2.15
MB24350	3"	2½"	2½"	3.98	1.97	4.49	2.76	4.00	2.26
MB24360	3"	2½"	3"	4.11	2.11	4.74	3.01	4.31	2.30
MB24370	3"	3"	½"	3.64	1.63	3.64	1.63	4.07	3.27
MB24380	3"	3"	¾"	3.64	1.63	3.64	1.63	4.15	3.21
MB24390	3"	3"	1"	3.64	1.63	3.64	1.63	3.96	3.01
MB24400	3"	3"	1¼"	3.64	1.63	3.64	1.63	4.07	2.93
MB24410	3"	3"	1½"	3.64	1.63	3.64	1.63	4.31	2.85
MB24420	3"	3"	2"	3.64	1.63	3.64	1.63	3.76	2.15
MB24430	3"	3"	2½"	3.98	1.97	3.98	1.97	4.00	2.26
MB24450	4"	3"	2"	4.02	1.61	4.80	2.80	3.25	1.63
MB24460	4"	3"	3"	4.51	2.11	4.82	2.81	4.63	2.62
MB24470	4"	4"	½"	4.02	1.61	4.02	1.61	4.63	3.82
MB24480	4"	4"	¾"	4.02	1.61	4.02	1.61	4.59	3.64
MB24490	4"	4"	1"	4.02	1.61	4.02	1.61	4.43	3.48
MB24500	4"	4"	1¼"	4.02	1.61	4.02	1.61	4.43	3.29
MB24510	4"	4"	1½"	4.02	1.61	4.02	1.61	4.59	3.13
MB24520	4"	4"	2"	4.02	1.61	4.02	1.61	4.23	2.62
MB24530	4"	4"	2½"	4.17	1.77	4.17	1.77	4.47	2.74
MB24540	4"	4"	3"	4.51	2.11	4.51	2.11	4.59	2.58

Reducing Tee (P X FPT)

P x P x FPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Reducing Tee P x P x FPT is available in sizes ½" x ½" FPT – 2" x ¾" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

Reducing Tee (P x FPT)

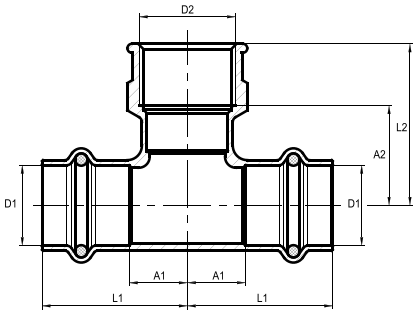
P x P x FPT

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB40000	½"	½" FPT	1.56	0.75	1.44	0.89
MB40010	¾"	¼" FPT	1.63	0.69	1.34	0.93
MB40020	¾"	½" FPT	1.79	0.85	1.38	0.83
MB40030	¾"	¾" FPT	1.79	0.85	1.61	0.98
MB40040	1"	½" FPT	1.63	0.69	1.71	1.16
MB40050	1"	¾" FPT	1.91	0.96	1.85	1.22
MB40060	1¼"	½" FPT	1.87	0.73	1.67	1.12
MB40070	1¼"	¾" FPT	1.99	0.85	1.81	1.18
MB40080	1½"	½" FPT	2.13	0.67	1.83	1.28
MB40100	1½"	¾" FPT	2.26	0.81	1.97	1.34
MB40110	2"	½" FPT	2.54	0.93	2.09	1.54
MB40120	2"	¾" FPT	2.54	0.93	2.30	1.67

CopperPress® Operational Parameters:
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Reducing Tee (P x FPT) — P x P x FPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Largel Diameter Reducing Tee P x P x FPT is available in sizes 2½" x ¾" FPT – 4" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

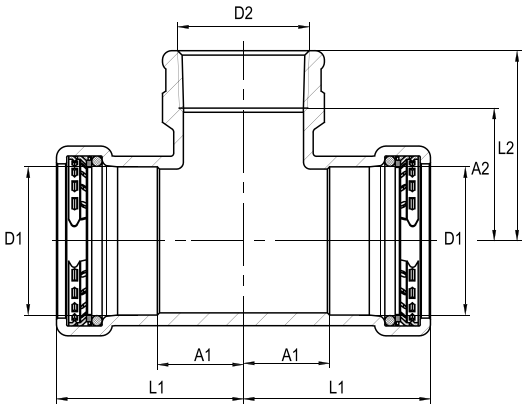
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Reducing Tee (P x FPT) — P x P x FPT

Item Number EPDM	D1 (in)	D2 (in)	L1 (in)	A1 (in)	L2 (in)	A2 (in)
MB42000	2½"	¾" FPT	3.25	1.52	3.50	2.87
MB42010	2½"	2" FPT	3.25	1.52	3.43	2.48
MB42030	3"	¾" FPT	3.64	1.63	4.02	3.39
MB42040	3"	2" FPT	3.64	1.63	3.58	2.64
MB42050	4"	¾" FPT	4.02	1.61	3.90	3.27
MB42060	4"	2" FPT	4.02	1.61	3.70	2.76



Cap — P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Cap is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

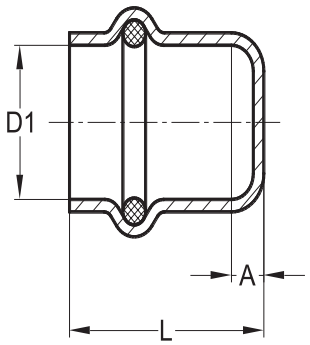
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Cap — P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB13110	½"	0.94	0.14
MB13120	¾"	1.06	0.12
MB13140	1"	1.06	0.12
MB13150	1¼"	1.26	0.12
MB13160	1½"	1.69	0.24
MB13170	2"	1.85	0.24



XL Cap

P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Cap is available in sizes 2½" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

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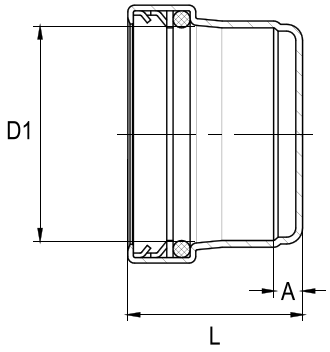
XL Cap

P

Item Number EPDM	D1 (in)	L (in)	A (in)
MB23110	2½"	2.17	0.43
MB23120	3"	2.44	0.43
MB23130	4"	2.87	0.47



Crossover — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Crossover is available in sizes ½" – ¾" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

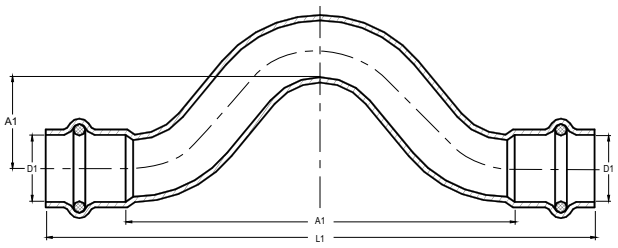
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Crossover — P x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB23140	½"	5.20	3.58	0.77
MB23150	¾"	6.34	4.45	0.91



Street Crossover — FTG x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Crossover is available in sizes ½" – ¾" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

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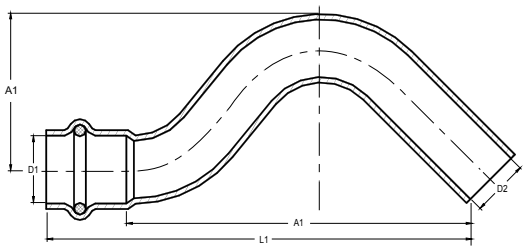
Street Crossover — FTG x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB23160	½"	4.61	3.80	1.10
MB23170	¾"	5.55	4.61	1.54



Male Adapter — P x MPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

Male Adapter — P x MPT

Item Number EPDM	D1 (in)	D2 (in	L (in)	A (in)
MB23250	½"	⅜" MPT	1.65	0.85
MB23260	½"	½" MPT	1.69	0.89
MB23270	½"	¾" MPT	1.77	1.10
MB23280	¾"	½" MPT	2.05	0.94
MB23290	¾"	¾" MPT	1.89	0.94
MB23300	¾"	1" MPT	2.05	1.10
MB23310	1"	½" MPT	2.13	1.18
MB23320	1"	¾" MPT	1.93	0.98
MB23330	1"	1" MPT	1.93	1.22
MB23340	1"	1¼" MPT	2.09	1.14
MB23350	1¼"	1" MPT	2.20	1.06
MB23360	1¼"	1¼" MPT	2.20	1.06
MB23370	1¼"	1½" MPT	2.28	1.14
MB23380	1½"	1¼" MPT	2.70	1.24
MB23390	1½"	1½" MPT	2.64	1.18
MB23400	1½"	2" MPT	2.64	1.18
MB23410	2"	1½" MPT	2.83	1.22
MB23420	2"	2" MPT	2.80	1.46

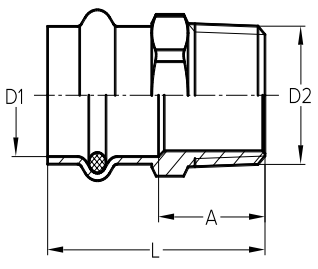
CopperPress® Small Diameter Male Adapter is available in sizes ½" x ⅜" MPT – 2" x 2" MPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Male Adapter — P x MPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Male Adapter is available in sizes 2½" x 2½" MPT – 4" x 4" MPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

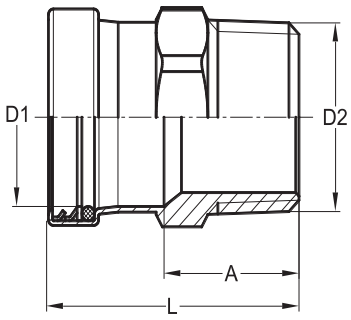
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

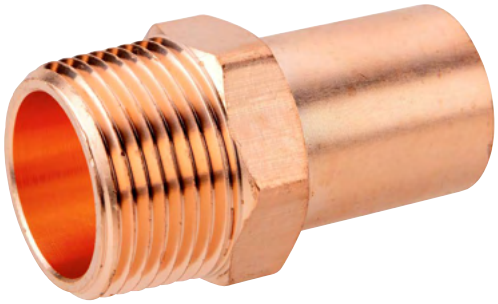
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Male Adapter — P x MPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB22510	2½"	2½" MPT	3.78	2.05
MB22520	3"	3" MPT	4.09	2.09
MB22530	4"	4" MPT	4.69	2.28



Male Street Adapter — FTG x MPT



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Male Street Adapter is available in sizes ½" x ⅜" MPT – 2" x 2" MPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

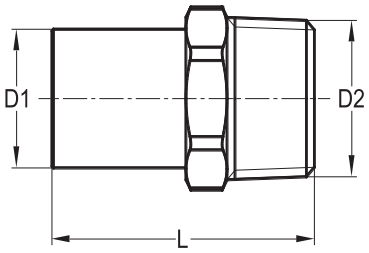
Male Street Adapter — FTG x MPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)
MB22900	½"	⅜" MPT	1.69
MB22910	½"	½" MPT	1.77
MB22920	½"	¾" MPT	1.93
MB22930	¾"	½" MPT	1.93
MB22940	¾"	¾" MPT	1.97
MB22950	1"	¾" MPT	1.97
MB22960	1"	1" MPT	2.13
MB22970	1¼"	1¼" MPT	2.48
MB22980	1½"	1½" MPT	2.87
MB22990	2"	2" MPT	3.19

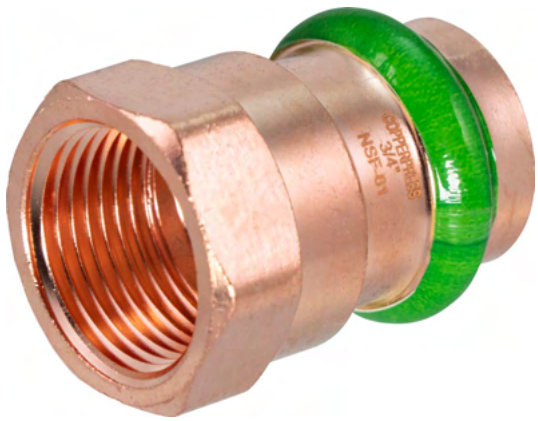
CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



Female Adapter — P x FPT



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Male Street Adapter is available in sizes ½" x ⅜" FPT – 2" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

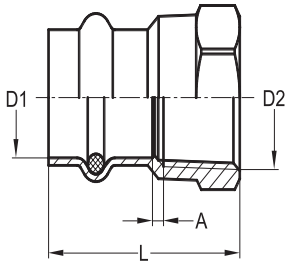
Female Adapter — P x FPT

Item Number EPDM	D1 (in)	D2 (in	L (in)	A (in)
MB22600	½"	⅜" FPT	1.42	0.35
MB22610	½"	½" FPT	1.61	0.28
MB22620	½"	¾" FPT	1.65	0.22
MB22630	¾"	½" FPT	1.61	0.18
MB22640	¾"	¾" FPT	1.81	0.22
MB22650	1"	½" FPT	2.09	0.57
MB22660	1"	¾" FPT	1.73	0.14
MB22670	1"	1" FPT	1.89	0.20
MB22680	1"	1¼" FPTT	2.13	0.31
MB22690	1¼"	1" FPT	2.09	0.16
MB22700	1¼"	1¼" FPT	2.20	0.24
MB22710	1¼"	1¼" FPT	2.20	0.22
MB22720	1½"	1¼" FPT	2.48	0.24
MB22730	1½"	1½" FPT	2.52	0.22
MB22740	2"	2" FPT	2.83	0.22

CopperPress® Operational Parameters:
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



XL Female Adapter — P x FPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Large Diameter Female Adapter is available in sizes 2½" x 2½" FPT – 4" x 4" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

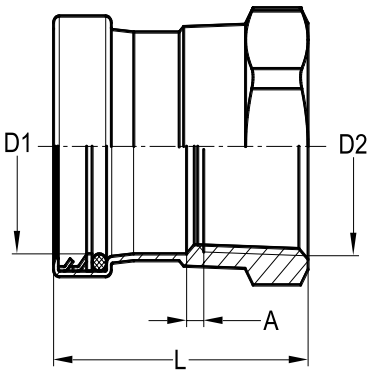
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

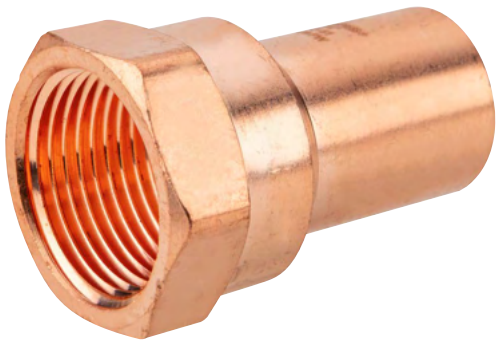
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

XL Female Adapter — P x FPT

Item Number EPDM	D1 (in)	D2 (in	L (in)	A (in)
MB22750	2½"	2½" FPT	3.54	0.67
MB22760	3"	3" FPT	3.98	0.75
MB22770	4"	4" FPT	4.37	0.59



Female Street Adapter — FTG x FPT



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Female Street Adapter is available in sizes ½" x ⅜" FPT – 2" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

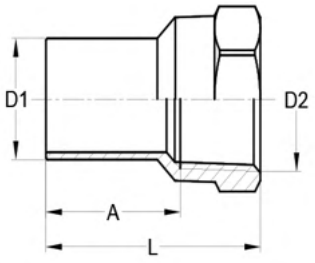
Female Street Adapter — FTG x FPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB32000	½"	⅜" FPT	1.57	1.10
MB32010	½"	½" FPT	1.73	1.18
MB32020	½"	¾" FPT	1.93	1.30
MB32030	¾"	½" FPT	1.73	1.18
MB32040	¾"	¾" FPT	1.93	1.30
MB32050	1"	1" FPT	1.81	1.26
MB32060	1"	½" FPT	1.93	1.30
MB32065	1"	¾" FPT	1.99	1.28
MB32070	1¼"	½" FPT	2.03	1.48
MB32080	1¼"	1¼" FPT	2.32	1.54
MB32090	1½"	1½" FPT	2.58	1.75
MB32100	2"	2" FPT	3.07	2.09

CopperPress® Operational Parameters: EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



Union P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Union is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

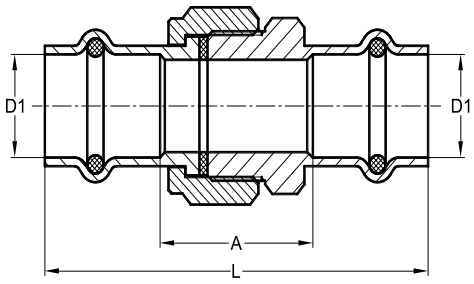
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

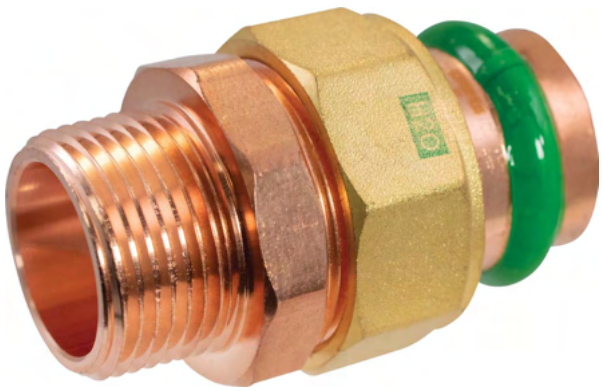
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Union P x P

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB33000	½"	½"	2.80	1.18
MB33010	¾"	¾"	2.99	1.10
MB33020	1"	1"	3.01	1.12
MB33030	1¼"	1¼"	3.43	1.14
MB33040	1½"	1½"	4.09	1.18
MB33050	2"	2"	4.57	1.34



Male Union — P x MPT



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Male Union is available in sizes ½" x ½" MPT – 2" x 2" MPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

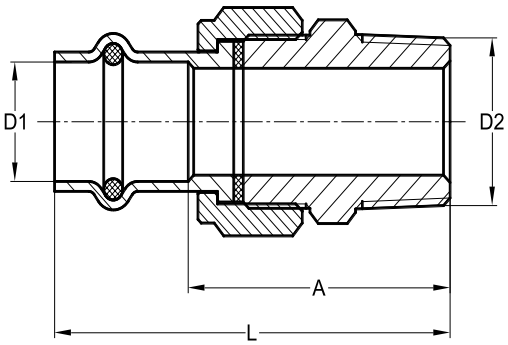
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Male Union — P x MPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB34000	½"	½" MPT	2.58	1.77
MB34010	¾"	¾" MPT	2.72	1.77
MB34020	1"	1" MPT	2.89	1.95
MB34030	1¼"	1¼" MPT	3.27	2.13
MB34040	1½"	1½" MPT	3.62	2.17
MB34050	2"	2" MPT	3.98	2.36



Female Union — P x FPT

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Female Union is available in sizes ½" x ½" FPT – 2" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

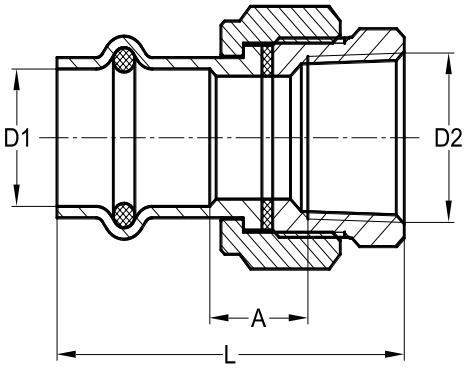
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

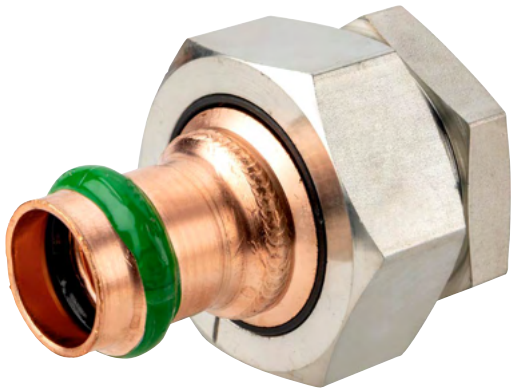
ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Female Union — P x FPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB35000	½"	½" FPT	1.99	0.67
MB35010	¾"	¾" FPT	2.15	0.61
MB35020	1"	1" FPT	2.26	0.65
MB35030	1¼"	1¼" FPT	2.93	1.00
MB35040	1½"	1½" FPT	2.91	0.67
MB35050	2"	2" FPT	3.31	0.75



Dielectric Female Union — P x FPT



Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Dielectric Female Union is available in sizes ½" x ½" FPT – 2" x 2" FPT with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

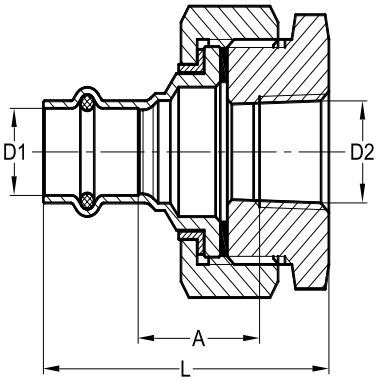
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Dielectric Female Union — P x FPT

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB37000	½"	½" FPT	2.64	1.32
MB37010	¾"	¾" FPT	3.07	1.54
MB37020	1"	1" FPT	2.76	1.14
MB37030	1¼"	1¼" FPT	3.03	1.10
MB37040	1½"	1½" FPT	3.46	1.22
MB37050	2"	2" FPT	3.78	1.22



Pex (B) Adapter — P x PEX

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Pex (B) Adapter is available in sizes ½" x ½" PEX – 1" x 1" PEX with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

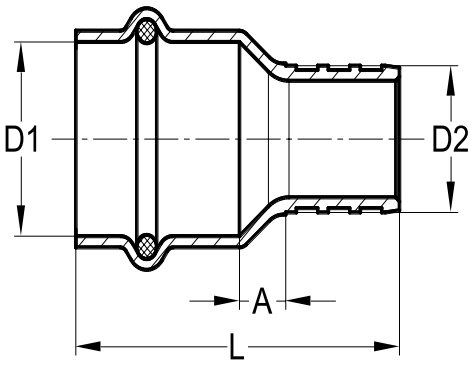
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Pex (B) Adapter — P x PEX

Item Number EPDM	D1 (in)	D2 (in)	L (in)	A (in)
MB50000	½"	½" PEX	1.73	0.20
MB50030	½"	¾" PEX	1.59	0.16
MB50040	¾"	½" PEX	2.03	0.45
MB50010	¾"	¾" PEX	1.93	0.35
MB50020	1"	1" PEX	2.13	0.39



Flange Adapter — P x Flange

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Flange Adapter is available in sizes 1" – 4" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

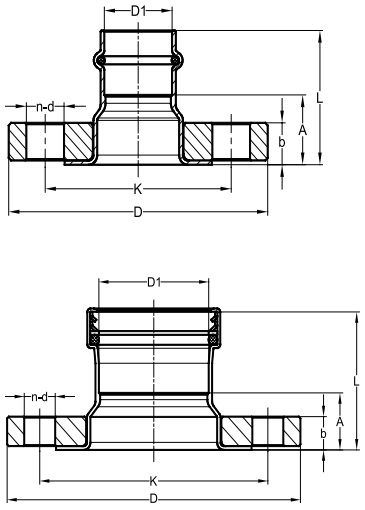
ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.

Flange Adapter — P x Flange

Item Number EPDM	D1 (in)	L (in)	A (in)	b (in)	D (in)	K (in)	d (in)	n (in)
MB60000	1"	2.28	1.34	0.63	4.33	3.11	0.63	4
MB60010	1¼"	2.28	1.14	0.63	4.53	3.50	0.63	4
MB60020	1½"	2.60	1.14	0.63	4.92	3.86	0.63	4
MB60030	2"	2.76	1.14	0.63	5.91	4.76	0.75	4
MB60040	2½"	2.83	1.10	0.69	7.09	5.51	0.75	4
MB60050	3"	3.25	1.34	0.81	7.48	5.98	0.75	4
MB60060	4"	3.74	1.34	0.89	9.06	7.52	0.75	8



Ball Valve — P x P

Job Name	
Job Location	
P.O.#	
Engineer	
Contractor	
Wholesaler	
Merit Associate	

CopperPress® Small Diameter Ball Valve is available in sizes ½" – 2" with an EPDM sealing element.

- **FIRST TO MARKET Visual Indicator Press Ring® (VIPR®)** - facilitates immediate identification of un-pressed connections.
- **Leak Before Press (LBP)** - in addition to the VIPR®, all sizes have leak before press technology, which guarantees a visual indication if the fitting is not pressed.
- **Applications:** HVAC, plumbing, municipal, mechanical and industrial applications.

CopperPress® Operational Parameters:

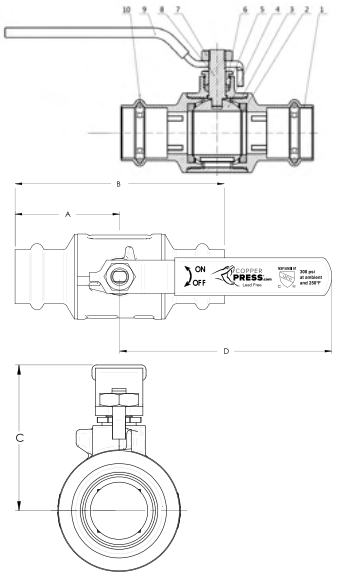
EPDM working pressure range from full vacuum to 300 psi for water.

CopperPress® Fitting Certifications

ICC-ES LC1002, NSF/ANSI/CAN 61, NSF/ANSI/CAN 372, IAPMO Z 1117.

CopperPress® Codes and Standards

ASME B31.1, B31.3, B31.9, IPC, IMC, IRC, UPC, UMC, CPC & CMC, City of Los Angeles Plumbing and Mechanical Codes, Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code, Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28.



Ball Valve — P x P

Part Number	Nominal Size (in)	Dimensions (in)					Weight (lbs)
EPDM		A Port Ø	B	C	D	E	
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

LIMITED WARRANTY

CarbonPress® By Merit Brass Co. | CopperPress® By Merit Brass Co. | StainlessPress® Isotubi-USA, By Merit Brass Co. | MeritPress™ By Merit Brass Co.

LIMITED WARRANTY FOR COPPERPRESS® FITTINGS, COPPERPRESS® VALVES, CARBONPRESS® FITTINGS AND STAINLESSPRESS® FITTINGS AND STAINLESSPRESS® VALVES.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

THE LIMITED WARRANTY CAN ALSO BE FOUND ONLINE AT WWW.MERITBRASS.COM/WARRANTY-POLICY AND/OR IN THE DOCUMENTATION WE PROVIDE WITH THE APPLICABLE PRODUCT.

WE WARRANT THAT DURING THE WARRANTY PERIOD, THE PRODUCT WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP AS DESCRIBED IN OUR LITERATURE.

WE LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

OUR RESPONSIBILITY FOR DEFECTIVE GOODS IS LIMITED TO REPAIR, OR REPLACEMENT AS DESCRIBED BELOW IN THIS WARRANTY STATEMENT.

Who may use this warranty?

Merit Brass Company located at One Merit Drive, PO Box 43127 Cleveland, OH 44143 ("we") extend this limited warranty only to the consumer who originally purchased the applicable product ("you"). It does not extend to any subsequent owner or other transferee of the product.

What does this warranty cover?

This limited warranty covers defects in materials and workmanship of the: (i) CopperPress® fittings, (ii) the press valves, (iii) the Carbonpress® fittings, and (iv) the Stainlesspress® fittings exclusive of all marine applications and chemical compatibility must be verified via Merit's literature or confirmed by its Technical Department prior to installation (the "product") for the Warranty Period as defined below.

What does this warranty not cover?

This limited warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

What is the period of coverage?

This limited warranty starts on the date of your purchase and lasts for: (i) fifty (50) years for **CopperPress®** fittings, (ii) fifteen (15) years for the **Carbonpress®** fittings and the **Stainlesspress®** fittings, and (iii) five (5) years for the press valves (collectively the **"Warranty Period"**). The Warranty Period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

What are your remedies under this warranty?

With respect to any defective product during the applicable Warranty Period, we will, in our sole discretion repair or replace such product (or the defective part) free of charge. We will also pay for shipping and handling fees to return the repaired or replacement product to you.

How do you obtain warranty service?

To obtain warranty service, you must call 1-800-726-9800 or email our Warranty Claims Department at returns@meritbrass.com during the applicable Warranty Period to obtain a Return Material Authorization ("RMA") number. No warranty service will be provided without an RMA number. Upon receipt of the RMA, and at your expense, products suspected of being defective shall be returned to Merit's Warranty Claims Department at One Merit Drive, Cleveland, OH 44143. Within about six weeks of receipt, Merit will determine the cause of failure and notify the purchaser of our findings.

Limitation of liability

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT AND/OR WHETHER CAUSED BY WATER, MOLD, LOSS OF EQUIPMENT, PROPERTY, REVENUE OR COST OF CAPITAL.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

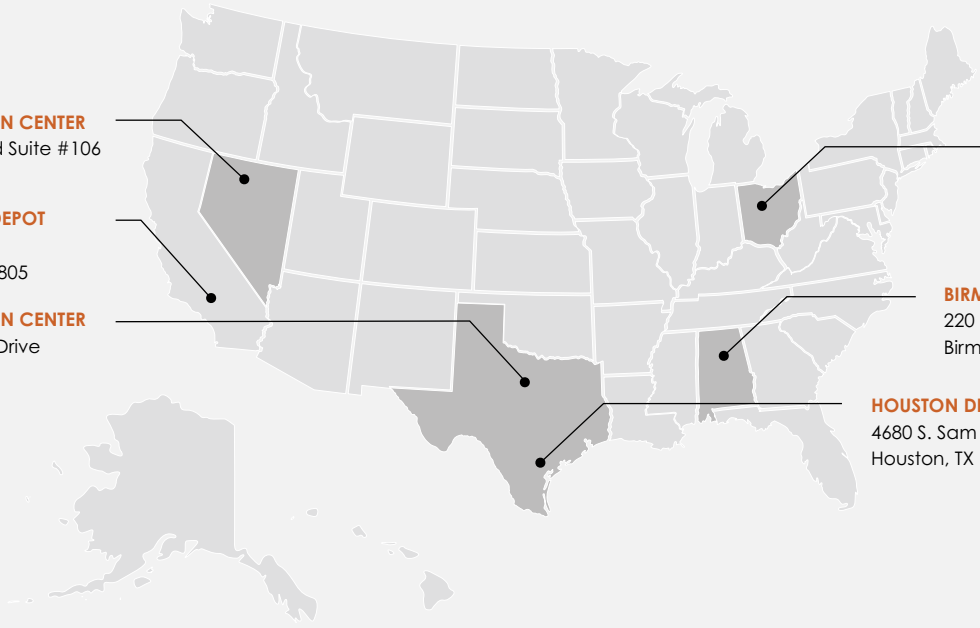
CarbonPress® By Merit Brass Co.

CopperPress® By Merit Brass Co.

StainlessPress® Isotubi-USA, By Merit Brass Co.

MeritPress™ By Merit Brass Co.

LOCATIONS



SPARKS DISTRIBUTION CENTER
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Sparks, NV 89434

LONG BEACH PIPE DEPOT
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Long Beach, CA 90805

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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

CONTACT US

MERIT BRASS
DIRECTING THE FLOW OF *Quality*

800.726.9800

contactus@meritbrass.com

LEARN MORE

Revised Jan 2025