



# **PRESS FITTINGS ENGINEERED TO IMPRESS**



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# PRESS TECHNOLOGIES

## ABOUT US

Press Technologies is an innovative company formed by a group of passionate and experienced professionals from the plumbing & HVAC industries. Our state-of-the-art manufacturing process results in the next generation of press fittings with consistent quality control throughout. Quality, trust and customer expectations drive our business practices.



• INNOVATION • QUALITY • SERVICE • TRUST • PARTNERSHIP

## PRODUCT FEATURES AND BENEFITS

### ▶ QUICKER AND SAFER INSTALLATION

- Easy and rapid installation reduces valuable labor time.
- A permanent flame-free connection is made with no fire hazard.

### ▶ QUALITY RAW MATERIAL

- Copper bodies are made from DHP phosphorus deoxidized copper (ASTM B85 Alloy C12200).
- Copper alloy fittings are produced from lead-free brass (C46500).
- Threaded ends conform to ASME B1.20.1.

### ▶ NEXT-GEN MANUFACTURING

- Hydroforming process is used across the full range of fittings resulting in precise and consistent wall thickness throughout the fitting.
- Threaded tees are arc-welded for a stronger and more consistent connection.
- Press tees are manufactured in one-piece and are all tested individually before packaging.
- Manufacturing processes and Quality Management System are ISO 9001:2015 certified

### ▶ LEAK BEFORE PRESS

- Un-pressed fittings are easily identified with Leak Before Press technology built into the sealing element.

### ▶ TOOL COMPATIBILITY

- System is compatible with most common press tools and jaws in use.

### ▶ WARRANTY

- 50-year product warranty protects against defects in materials and workmanship.



# APPLICATION

Media	System Operating Conditions			Product and Sealing Element
				Copper Press Fittings
	Comments	Max Pressure (psig)	Temperature Range (°F)	EPDM

## Water/Liquids

Hot and Cold Potable Water	Test pressure 600 psi	300	0° to 250°	✓
Rainwater/ Graywater				✓
Chilled Water	≤50% Ethylene /Propylene glycol			✓
Hydronic Heating Water <sup>9</sup>	≤50% Ethylene /Propylene glycol			✓
Steam	Residential	5	Max 227°	✓

## Fuels/Oils/Lubricants

Ethanol	Pure grain alcohol	200	Ambient	✓
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## Gases

Compressed Air	Oil Concentration ≤ 25 mg/m³	200	Max 140°	✓
Nitrogen - N <sub>2</sub>	Non-medical			✓
Carbon Dioxide - CO <sub>2</sub>	Dry			✓
Carbon Monoxide - CO				✓
Argon - Ar				✓
Ammonia	Ammonia environment <sup>7</sup>	200	Max 120°	✓
Oxygen - O <sub>2</sub>	Non-medical	140	Max 140°	✓
Hydrogen - H <sub>2</sub>	Keep free of oil and grease	125		✓
Vacuum	Minimum absolute pressure Maximum differential pressure	750µm Hg 29.2" Hg	Max 160°	✓

## Special Media

Acetone	Liquid	70	-14° to 104°	✓
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# WARRANTY

Press Technologies warrants products to be free from defects in materials and workmanship for a period of 50 years from the date of installation. This limited warranty applies to all Press Technologies Press Fittings installed in accordance with Press Technologies’ approved and published installation, testing, and application recommendations and instructions.



# LISTINGS AND CERTIFICATIONS

ASME B16.51: Copper and Copper Alloy Press-Connect Pressure Fittings

IAPMO PS 117: Press Connections

IAPMO/ANSI/CAN Z1117: Press Connections

ICC-ES LC1002: Press Connection Fittings for Potable Water Tube and Radiant Heating Systems

NSF/ANSI/CAN 61: Drinking Water System Components - Health Effects

NSF/ANSI 372: Drinking Water System Components - Lead Content

# CODES AND STANDARDS

ASTM B 88: Standard Specification for Seamless Copper Water Tube, Type K, L, or M.

International Plumbing Code (IPC)

International Mechanical Code (IMC)

International Residential Code (IRC)

Uniform Plumbing Code (UPC)

Uniform Mechanical Code (UMC)

California Plumbing Code (CPC)

California Mechanical Code (CMC)

City of Los Angeles Plumbing Code

City of Los Angeles Mechanical Code

Code of Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code

Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28

National Plumbing Code of Canada (NPC)

