ICC-ES PMG Product Certificate

PMG-1412

Effective Date: August 2024

This listing is subject to re-examination in one year.

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CSI: DIVISION: 22 00 00—PLUMBING
Section: 22 11 16—Domestic Water Piping
Section: 22 11 00—Facility Water Distribution

DIVISION: 23 00 00—HEATING, VENTILATING AND AIR-CONDITIONING (HVAC)
Section: 23 21 13—Hydronic Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: ProPEX™ Brass Copper Press Fittings

Listee: Uponor, Inc.
5925 148th Street West
Apple Valley, Minnesota 55124
www.uponor-usa.com

Compliance with the following codes:

2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code®* (IRC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Plumbing Code®* (IPC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Mechanical Code®* (IMC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Plumbing Code** (UPC)*
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Mechanical Code** (UMC)*
2022, 2019, 2016, 2013 and 2010 *California Plumbing Code* (CPC)
2022, 2019, 2016, 2013 and 2010 *California Mechanical Code* (CMC)
2023, 2020 and 2017 *City of Los Angeles Plumbing Code*
2023, 2020 and 2017 *City of Los Angeles Mechanical Code*
2023, 2021, 2017 and 2007 *Code of Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code*
2023, 2021 and 2017 *Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28*

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Compliance with the following standards:

ASME B16.51-2021, Copper and Copper Alloy Press-Connect Pressure Fittings
ASTM F1960-2023b, Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing
CSA B137.5-2023, Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications
ICC-ES LC1002-2013, Press-Connection Fittings for Potable Water Tube and Radiant Heating Systems

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.

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IAPMO/ANSI/CAN Z1117-2022, Press Connections
NSF/ANSI 14-2023, Plastic Piping System Components and Related Materials
NSF/ANSI/CAN 61-2023, Drinking Water Systems Components—Health Effects
NSF/ANSI/CAN 372-2022, Drinking Water Systems Components—Lead Content

Identification:

Product must bear permanent markings with the following:

- Manufacture's name or trademark.
- Nominal size corresponding to the copper tube size.

Packaging must be marked with the following:

- Manufacture's name or trademark.
- Product name
- Model number
- Date of manufacture (date code or batch code)
- ICC-ES PMG listing mark

Installation:

Uponor Press fittings must be installed in accordance with this listing, the applicable code and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be furnished to the code official.

Models:

The Uponor Press fittings are available in sizes from $^{1}/_{2}$ inch to 3 inches and various configurations. Uponor Press fittings are rated for a maximum pressure of 125 psi (8.6 bar) and maximum temperature of 250°F (121°C). Fittings are available in brass copper and are provided with a factory-installed Nitrile (Buna-N) sealing element.

Conditions of listing:

1. Press end connections are for use with ASTM B 88, Type K, L, or M, hard drawn copper and compression end connections are for use with PEX tubing.
2. Operating temperature range for potable water must be within 32ºF to 250ºF (0ºC to 121ºC). Operating temperature range for hydronic systems must be within 20ºF to 250ºF (-29ºC to 121ºC).
3. The fittings have not been evaluated for use when embedded in a solid material such as concrete.
4. The potable water distribution system utilizing the Uponor Press fittings must be pressure-tested and inspected in accordance with IPC Section 312.5 and IRC Section P2503 or UPC Section 609.4, as applicable.
5. Radiant heating systems must be pressure-tested for leaks before installation of the covering in accordance with IMC Section 1208, IRC Section M2103, as applicable
6. The Uponor fittings are under a quality control program with an annual surveillance inspection by ICC-ES.