



CSI: DIVISION: 23 00 00—HEATING, VENTILATING AND AIR CONDITIONING (HVAC)  
Section: 23 20 00—HVAC Pipe and Fittings

**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.

**Products:** QuickFitting ACR Push Fittings for AC and Refrigeration Applications

**Listee:** QuickFitting Holding Company, LLC  
655 Waterman Ave  
East Providence, RI 02914  
[www.quickfitting.com](http://www.quickfitting.com)

**Compliance with the following codes:**

2024, 2021, 2018, 2015, and 2012 *International Mechanical Code*® (IMC)  
2024, 2021, 2018, 2015, and 2012 *International Residential Code*® (IRC)  
2024, 2021, 2018, 2015, and 2012 *Uniform Mechanical Code*® (UMC)\*  
2022, 2019, 2016, 2013, and 2010 *California Mechanical Code*® (CMC)

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**Compliance with the following standards:**

UL 207 (Edition 8), Standard for Refrigerant-Containing Components and Accessories, Nonelectrical  
UL 1963 (Edition 4), Standard for Refrigerant Recovery/Recycling Equipment  
UL 109 (Edition 6), Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use

**Identification:**

The QuickFitting ACR Push Fittings shall be legibly and permanently marked with the manufacturer's name, size, temperature, and pressure rating. The ICC-ES PMG listing mark shall be on the fitting or packaging.

**Installation:**

The QuickFitting ACR Push Fittings must be installed in accordance with the manufacturer's published installation instructions, the applicable codes, and this listing.

Mechanical joints shall not be used on annealed temper copper tube in sizes larger than  $\frac{7}{8}$ -inch (22.2 mm) OD size per IMC and  $\frac{3}{4}$ " of an inch nominal size per UMC.

**Models:**

The QuickFitting ACR Push Fittings Connect fittings are intended for connection of copper tubing approved by the manufacturer. The connection is accomplished by quick and easy push in of the fitting to a pipe in accordance with the manufacturer's installation instructions. The fittings are only suitable for use with the following refrigerants: R22, R32, R134a, R290, R404a, R410a, R407a, R407c, R500, and R600a.

Model	Description
ACR Female Adapters	ACRFA, f/b -0250, -0375, - 0500, or -0625
ACR End Caps	ACREC, f/b -0250, -0375, -0500, -0625, -0750, or -0875
ACR Reducer Couplings	ACRCR, f/b -375250, -500375, or -625500
ACR Straight Couplings	ACRSC, f/b -0250, -0375, - 0500, -0625, -0750, or -0875
ACR Reducer Elbows	ACRER, f/b -375250, -500375 or -625500
ACR Swept Elbows	ACRSE, f/b -0250, -0375, -0500, - 0625, -0750, or -0875.
ACR Service Valves	ACRSV, f/b -0250, -0375, -0500, or -0625.

**Ratings:**

Sizes	Design Pressure, psig	Maximum Abnormal Pressure, psi	Continuous Operating Temperature
1/4"	650	650	250°F (121°C)
3/8"	650	650	250°F (121°C)
1/2"	650	650	250°F (121°C)
5/8"	650	650	250°F (121°C)
3/4"	650	650	250°F (121°C)
7/8"	650	650	250°F (121°C)

**Conditions of Listing:**

1. The QuickFitting ACR Push Fittings are only suitable for use with the following refrigerants: R22, R32, R134a, R290, R404a, R410a, R407a, R407c, R500, and R600a.
2. Mechanical joints shall not be used on annealed temper copper tube in sizes larger than 7/8-inch (22.2 mm) OD size per IMC and 3/4" of an inch nominal size per UMC.
3. Refrigeration systems must be pressure-tested for leaks after complete installation and before operation in accordance with IMC or UMC, as applicable.
4. When installation is in fire-resistance-rated assemblies, evidence must be provided to the code official of compliance with International Building Code® (IBC) Section 713 (penetrations).
5. The fittings must not be used as a source of electrical ground.
6. When the system is embedded in concrete, tubing must be covered a minimum of 3/4 inch (19.1 mm) and installation must comply with IBC Section 1906.3 or UBC Section 1906.3, as applicable.
7. The QuickFitting ACR Push Fittings are manufactured under a quality control program with surveillance inspections by ICC-ES.