



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: >B< MaxiPro Press Fittings for AC and Refrigeration Applications

Listee: Conex Universal Ltd.
Global House, 95 Vantage Point, The Pensnett Trading Estate
Kingswinford, West Midlands, DY67FT, UK
www.conexbanninger.com

Compliance with the following codes:

2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Mechanical Code®* (IMC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code®* (IRC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *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 9), 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 press fittings shall be legibly and permanently marked with the manufacturer's name, tubing size, temperature and pressure rating. The ICC-ES PMG listing mark shall be on the fitting or packaging.

Installation:

The press 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 7/8-inch (22.2 mm) OD size per IMC and 3/4" of an inch nominal size per UMC versions published prior to 2021.

Models:

The press fittings are intended for connection of copper tubing approved by the manufacturer. The connection is accomplished by pressing (solder-free) the fitting to a pipe using the manufacturer's recommended tool. The press fittings are only suitable for use with the following refrigerants: R-32, R-125, R134a, R290, R404A, R407A, R407C, R407F, R407H, R410A, R417A, R421A, R422B, R422D, R427A, R438A, R444A, R447A, R447B, R448A, R449A, R450A, R452A, R452B, R452C, R454A, R454B, R454C, R455A, R457A, R459A, R507, R507A, R513A, R-513B, R515B, R600A, R718, R1234ze, R1234yf. Compatible Oils: POE, AB, PAO, PVE and MO oil.

Model Name: >B<MaxiPro

Size	Code Number	Fitting Type
1/4"	MPA5270 0020001	Straight Coupler
3/8"	MPA5270 0030001	Straight Coupler
1/2"	MPA5270 0040001	Straight Coupler
5/8"	MPA5270 0050001	Straight Coupler
3/4"	MPA5270 0060001	Straight Coupler
7/8"	MPA5270 0070001	Straight Coupler
1"	MPA5270 0080001	Straight Coupler
1-1/8"	MPA5270 0090001	Straight Coupler
1-3/8"	MPA5270 0110001	Straight Coupler
1-5/8"	MPA5270 0130001	Straight Coupler
1/4"	MPA5002 0020001	90 Degree Bend
3/8"	MPA5002 0030001	90 Degree Bend
1/2"	MPA5002 0040001	90 Degree Bend
5/8"	MPA5002 0050001	90 Degree Bend
3/4"	MPA5002 0060001	90 Degree Bend
7/8"	MPA5002 0070001	90 Degree Bend
1"	MPA5002 0080001	90 Degree Bend
1-1/8"	MPA5002 0090001	90 Degree Bend
1-3/8"	MPA5002 0110001	90 Degree Bend
1/4"	MPA5001 0020001	90 Degree Street Bend
3/8"	MPA5001 0030001	90 Degree Street Bend
1/2"	MPA5001 0040001	90 Degree Street Bend
5/8"	MPA5001 0050001	90 Degree Street Bend
3/4"	MPA5001 0060001	90 Degree Street Bend
7/8"	MPA5001 0070001	90 Degree Street Bend
1"	MPA5001 0080001	90 Degree Street Bend
1-1/8"	MPA5001 0090001	90 Degree Street Bend
1-3/8"	MPA5001 0110001	90 Degree Street Bend
1-5/8"	MPA5001 0130001	90 Degree Street Bend
1/4"	MPA5T 002020201	Equal Tee
3/8"	MPA5T 003030301	Equal Tee
1/2"	MPA5T 004040401	Equal Tee
5/8"	MPA5T 005050501	Equal Tee
3/4"	MPA5T 006060601	Equal Tee
7/8"	MPA5T 007070701	Equal Tee
1"	MPA5T 008080801	Equal Tee
1-1/8"	MPA5T 009090901	Equal Tee
1-3/8"	MPA5T 011111101	Equal Tee
1-5/8"	MPA5T 011111101	Equal Tee
3/8" x 1/4"	MPA5240 0030201	Reducer Coupler
1/2" x 1/4"	MPA5240 0040201	Reducer Coupler
1/2" x 3/8"	MPA5240 0040301	Reducer Coupler
5/8" x 1/4"	MPA5240 0050201	Reducer Coupler
5/8" x 3/8"	MPA5240 0050301	Reducer Coupler

5/8" x 1/2"	MPA5240 0050401	Reducer Coupler
3/4" x 3/8"	MPA5240 0060301	Reducer Coupler
3/4" x 1/2"	MPA5240 0060401	Reducer Coupler
3/4" x 5/8"	MPA5240 0060501	Reducer Coupler
7/8" x 1/2"	MPA5240 0070401	Reducer Coupler
7/8" x 5/8"	MPA5240 0070501	Reducer Coupler
7/8" x 3/4"	MPA5240 0070601	Reducer Coupler
1" x 3/4"	MPA5240 0080601	Reducer Coupler
1-1/8" x 1/2"	MPA5240 0090401	Reducer Coupler
1-1/8" x 5/8"	MPA5240 0090501	Reducer Coupler
1-1/8" x 3/4"	MPA5240 0090601	Reducer Coupler
1-1/8" x 7/8"	MPA5240 0090701	Reducer Coupler
1-1/8" x 1"	MPA5240 0090801	Reducer Coupler
1-3/8" x 7/8"	MPA5240 0110701	Reducer Coupler
1-3/8" x 1"	MPA5240 0110801	Reducer Coupler
1-3/8" x 1-1/8"	MPA5240 0110901	Reducer Coupler
1-5/8" x 1-1/8"	MPA5240 0131101	Reducer Coupler
1-5/8" x 1-3/8"	MPA5240 0130901	Reducer Coupler
3/8" x 1/4"	MPA5243 0030201	Fitting Reducer
1/2" x 3/8"	MPA5243 0040301	Fitting Reducer
5/8" x 3/8"	MPA5243 0050301	Fitting Reducer
5/8" x 1/2"	MPA5243 0050401	Fitting Reducer
3/4" x 1/2"	MPA5243 0060401	Fitting Reducer
3/4" x 5/8"	MPA5243 0060501	Fitting Reducer
7/8" x 1/2"	MPA5243 0070401	Fitting Reducer
7/8" x 5/8"	MPA5243 0070501	Fitting Reducer
7/8" x 3/4"	MPA5243 0070601	Fitting Reducer
1-1/8" x 1/2"	MPA5243 0090401	Fitting Reducer
1-1/8" x 5/8"	MPA5243 0090501	Fitting Reducer
1-1/8" x 3/4"	MPA5243 0090601	Fitting Reducer
1-1/8" x 7/8"	MPA5243 0090701	Fitting Reducer
1-3/8" x 1"	MPA5243 0110801	Fitting Reducer
1-3/8" x 1-1/8"	MPA5243 0110901	Fitting Reducer
1-5/8" x 1-1/8"	MPA5243 0131101	Fitting Reducer
1-5/8" x 1-3/8"	MPA5243 0130901	Fitting Reducer
1/4"	MPA5041 0020001	45 Degree Bend
3/8"	MPA5041 0030001	45 Degree Bend
1/2"	MPA5041 0040001	45 Degree Bend
5/8"	MPA5041 0050001	45 Degree Bend
3/4"	MPA5041 0060001	45 Degree Bend
7/8"	MPA5041 0070001	45 Degree Bend
1"	MPA5041 0080001	45 Degree Bend
1-1/8"	MPA5041 0090001	45 Degree Bend
1-3/8"	MPA5041 0110001	45 Degree Bend
1-5/8"	MPA5041 0130001	45 Degree Bend
1/4"	MPA5301 0020001	Stop End
3/8"	MPA5301 0030001	Stop End
1/2"	MPA5301 0040001	Stop End
5/8"	MPA5301 0050001	Stop End
3/4"	MPA5301 0060001	Stop End
7/8"	MPA5301 0070001	Stop End
1"	MPA5301 0080001	Stop End
1-1/8"	MPA5301 0090001	Stop End
1-3/8"	MPA5301 0110001	Stop End
1-5/8"	MPA5301 0130001	Stop End
3/8" x 1/4"	MPA5240L0030201	Long Reducer Coupler
5/8" x 3/8"	MPA5240L0050301	Long Reducer Coupler

1" x 5/8"	MPA5240L0080501	Long Reducer Coupler
1/4"	MPA5270L0020001	Long Straight Coupler
3/8"	MPA5270L0030001	Long Straight Coupler
1/2"	MPA5270L0040001	Long Straight Coupler
5/8"	MPA5270L0050001	Long Straight Coupler
3/4"	MPA5270L0060001	Long Straight Coupler
7/8"	MPA5270L0070001	Long Straight Coupler
1"	MPA5270L0080001	Long Straight Coupler
1-1/8"	MPA5270L0090001	Long Straight Coupler
1-3/8"	MPA5270L0110001	Long Straight Coupler
1-5/8"	MPA5270L0130001	Long Straight Coupler
1/4"	MPA5275L0020001	Repair Coupler
3/8"	MPA5275L0030001	Repair Coupler
1/2"	MPA5275L0040001	Repair Coupler
5/8"	MPA5275L0050001	Repair Coupler
3/4"	MPA5275L0060001	Repair Coupler
7/8"	MPA5275L0070001	Repair Coupler
1"	MPA5275L0080001	Repair Coupler
1-1/8"	MPA5275L0090001	Repair Coupler
1-3/8"	MPA5275L0110001	Repair Coupler
1-5/8"	MPA5275L0130001	Repair Coupler
1/4" x 1/4" SAE Flare	MPA5286G0020201	SAE Flare Adaptor
3/8" x 3/8" SAE Flare	MPA5286G0030301	SAE Flare Adaptor
1/2" x 1/2" SAE Flare	MPA5286G0040401	SAE Flare Adaptor
5/8" x 5/8" SAE Flare	MPA5286G0050501	SAE Flare Adaptor
3/4" x 3/4" SAE Flare	MPA5286G0060601	SAE Flare Adaptor
1/4" x 1/4" SAE Flare	MPA5285G0020201	SAE Flare Adaptor
3/8" x 3/8" SAE Flare	MPA5285G0030301	SAE Flare Adaptor
1/2" x 1/2" SAE Flare	MPA5285G0040401	SAE Flare Adaptor
5/8" x 5/8" SAE Flare	MPA5285G0050501	SAE Flare Adaptor
3/4" x 3/4" SAE Flare	MPA5285G0060601	SAE Flare Adaptor
1/4" x 1/4" SAE Flare	MPA5289G0020201	SAE Flare Adaptor
3/8" x 3/8" SAE Flare	MPA5289G0030301	SAE Flare Adaptor
1/2" x 1/2" SAE Flare	MPA5289G0040401	SAE Flare Adaptor
5/8" x 5/8" SAE Flare	MPA5289G0050501	SAE Flare Adaptor
3/4" x 3/4" SAE Flare	MPA5289G0060601	SAE Flare Adaptor
1/4"	MPA5002L0020001	1/4" 90 DEG LONG RADIUS BEND
3/8"	MPA5002L0030001	3/8" 90 DEG LONG RADIUS BEND
1/2"	MPA5002L0040001	1/2" 90 DEG LONG RADIUS BEND
5/8"	MPA5002L0050001	5/8" 90 DEG LONG RADIUS BEND
3/4"	MPA5002L0060001	3/4" 90 DEG LONG RADIUS BEND
7/8"	MPA5002L0070001	7/8" 90 DEG LONG RADIUS BEND
1"	MPA5002L0080001	1" 90 DEG LONG RADIUS BEND
1-1/8"	MPA5002L0090001	1 1/8" 90 DEG LONG RADIUS BEND
1-3/8"	MPA5002L0110001	1 3/8" 90 DEG LONG RADIUS BEND
1-5/8"	MPA5002L0130001	1 5/8" 90 DEG LONG RADIUS BEND

Ratings:

Sizes	Design Pressure, psig	Maximum Abnormal Pressure, psi	Continuous Operating Temperature
1/4"	700	700	250°F (121°C)
3/8"	700	700	250°F (121°C)
1/2"	700	700	250°F (121°C)
5/8"	700	700	250°F (121°C)
3/4"	700	700	250°F (121°C)
7/8"	700	700	250°F (121°C)
1-1/8"	700	700	250°F (121°C)
1-3/8"	700	700	250°F (121°C)

Conditions of Listing:

1. The press fittings are only suitable for use with the following refrigerants: R-32, R-125, R134a, R290, R404A, R407A, R407C, R407F, R407H, R410A, R417A, R421A, R422B, R422D, R427A, R438A, R444A, R447A, R447B, R448A, R449A, R450A, R452A, R452B, R452C, R454A, R454B, R454C, R455A, R457A, R459A, R507, R507A, R513A, R-513B, R515B, R600A, R718, R1234ze, R1234yf. Compatible Oils: POE, AB, PAO, PVE and MO oil.
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 versions published prior to 2021.
3. The installation must be pressure-tested for leaks in the presence of the code official or the code official's designated representative.
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), Uniform Building Code (UBC) Section 709 (walls and partitions) or UBC Section 710 (floor/ceiling or roof/ceiling), as applicable.
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 press fittings are manufactured under a quality control program with surveillance inspections by ICC-ES.