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ICC-ES Report

PMG-1440

Issued 09/2017

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This report is subject to renewal 09/2018

EVALUATION SUBJECT:

>B< MAXIPRO PRESS FITTINGS FOR AC AND REFRIGERATION APPLICATION

DIVISION:

23 00 00—HEATING, VENTILATING AND AIR CONDITIONING (HVAC)

SECTION:

23 20 00—HVAC PIPE AND FITTINGS

Report Holder:

CONEX UNIVERSAL LTD.

GLOBAL HOUSE, 95 VANTAGE POINT, THE PENSNETT TRADING ESTATE
KINGSWINFORD, WEST MIDLANDS, DY67FT, UNITED KINGDOM



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ICC-13167

ICC-ES PMG Product Certificate

PMG-1440



Effective Date: September 2017

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

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A Subsidiary of the International Code Council®

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:

2018, 2015, 2012, 2009 and 2006 *International Mechanical Code*® (IMC)
2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
2015, 2012, 2009 and 2006 *Uniform Mechanical Code*® (UMC)*

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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 press fittings shall be legibly and permanently marked with the manufacturer's name, tubing size, temperature and pressure rating, and the ICC-ES PMG listing mark.

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 $\frac{7}{8}$ -inch (22.2 mm) OD size per IMC and $\frac{3}{4}$ " of an inch nominal size per UMC.

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: R32, R134a, R290(A3), R404A, R407A, R407C, R407F, R410A, R417A, R422D, R427A, R438A, R448A, R449A, R450A, R507A, R513A, R600A(A3), R718, R1234ze, R1234yf. Compatible Oils: POE, AB, PAO 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
1/4"	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
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
1/4"	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
3/8" x 1/4"	MPA5240 0030201	Fitting Reducer
1/2" x 3/8"	MPA5240 0040301	Fitting Reducer
5/8" x 3/8"	MPA5240 0050301	Fitting Reducer
5/8" x 1/2"	MPA5240 0050401	Fitting Reducer
3/4" x 1/2"	MPA5240 0060401	Fitting Reducer
3/4" x 5/8"	MPA5240 0060501	Fitting Reducer
7/8" x 1/2"	MPA5240 0070401	Fitting Reducer
7/8" x 5/8"	MPA5240 0070501	Fitting Reducer
7/8" x 3/4"	MPA5240 0070601	Fitting Reducer
1-1/8" x 1/2"	MPA5240 0090401	Fitting Reducer
1-1/8" x 5/8"	MPA5240 0090501	Fitting Reducer
1-1/8" x 3/4"	MPA5240 0090601	Fitting Reducer
1-1/8" x 7/8"	MPA5240 0090701	Fitting Reducer

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
1/4"	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
1/4"	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

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)

Conditions of Listing:

1. The press fittings are only suitable for use with the following refrigerants: R32, R134a, R290(A3), R404A, R407A, R407C, R407F, R410A, R417A, R422D, R427A, R438A, R448A, R449A, R450A, R507A, R513A, R600A(A3), R718, R1234ze, R1234yf. . Compatible Oils: POE, AB, PAO 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.
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 $\frac{3}{4}$ 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 by Conex Universal Ltd. and are under a quality control program with surveillance inspections annually by ICC-ES.

