



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: Copper Press-Connect ACR Fittings

Listee: Jungwoo Metal Ind.Co., Ltd.
71-30, Gamaksan-ro 199beon-gil, Nam-myeon
Yangju-si, Gyeonggi-do, 11407, Korea
www.jwmfittings.com

Additional Listee:

Mueller Streamline Co.
150 Schilling Blvd, Suite 201
Collierville, TN 38017
www.muellerstreamline.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)*
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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

Identification:

The Press-Connect ACR fittings shall be legibly and permanently marked with the manufacturer's name, trade name, trademark, or identifying symbol or other descriptive marking by which the organization responsible for the product may be identified.

The shipping carton, a separate instruction sheet included with the shipping carton or a tag attached to the component shall include a distinctive model, part number, or type designation for the fitting and

include information for each refrigerant type for which the fittings is intended 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: R-125, R-134a, R-404A, R-407A, R-407C, R-407F, R-407H, R-410A, R-417A, R-421A, R-422B, R-422D, R-427A, R-438A, R-448A, R-449A, R-450A, R-452A, R-452C, R-507A, R-513A, R-513B, R-718.

Press ACR Fittings used in refrigeration applications have a maximum continuous operating temperature of 250°F (121°C), and design pressure of 700 psig. Maximum abnormal pressure is 700 psi.

Jungwo Metal Ind. and Mueller Streamline Co. have the same model numbers as listed in below table

Code No.	Description
RP07002	1/4" OD CAP
RP07004	3/8" OD CAP
RP07006	1/2" OD CAP
RP07007	5/8" OD CAP
RP07008	3/4" OD CAP
RP07009	7/8" OD CAP
RP07011	1-1/8" OD CAP
RP07012	1-3/8" OD CAP
RP01947	1/4"OD EXTENDED NO STOP COUPLING
RP01948	3/8"OD EXTENDED NO STOP COUPLING
RP01949	1/2"OD EXTENDED NO STOP COUPLING
RP01950,	5/8"OD EXTENDED NO STOP COUPLING
RP01951	3/4"OD EXTENDED NO STOP COUPLING
RP01952	7/8"OD EXTENDED NO STOP COUPLING
RP01955	1-1/8"OD EXTENDED NO STOP COUPLING
RP01956	1-3/8"OD EXTENDED NO STOP COUPLING
RP10141	1/4" OD COUPLING WITH STOP
RP10143	3/8" OD COUPLING WITH STOP
RP10144	1/2" OD COUPLING WITH STOP
RP10145	5/8" OD COUPLING WITH STOP
RP10157	3/4" OD COUPLING WITH STOP
RP10146	7/8" OD COUPLING WITH STOP

RP10147	1-1/8" OD COUPLING WITH STOP
RP10148	1-3/8" OD COUPLING WITH STOP
RP01011	3/8" OD x 1/4" OD REDUCING COUPLING
RP01021	1/2" OD x 1/4" OD REDUCING COUPLING
RP01019	1/2" OD x 3/8" OD REDUCING COUPLING
RP01027	5/8" OD x 1/4" OD REDUCING COUPLING
RP01025	5/8" OD x 3/8" OD REDUCING COUPLING
RP01023	5/8" OD x 1/2" OD REDUCING COUPLING
RP01030	3/4" OD x 1/2" OD REDUCING COUPLING
RP01029	3/4" OD x 5/8" OD REDUCING COUPLING
RP01037	7/8" OD x 1/2" OD REDUCING COUPLING
RP01036	7/8" OD x 5/8" OD REDUCING COUPLING
RP01035	7/8" OD x 3/4" OD REDUCING COUPLING
RP01052	1-1/8" OD x 1/2" OD REDUCING COUPLING
RP01051	1-1/8" OD x 5/8" OD REDUCING COUPLING
RP01050	1-1/8" OD x 3/4" OD REDUCING COUPLING
RP01049	1-1/8" OD x 7/8" OD REDUCING COUPLING
RP01058	1-3/8" OD x 7/8" OD REDUCING COUPLING
RP01056	1-3/8" OD x 1-1/8" OD REDUCING COUPLING
RP01306	3/8"ODx 1/4"OD FITTING REDUCER
RP01312	1/2" OD x 3/8" OD FITTING REDUCER
RP01317	5/8" OD x 3/8" OD FITTING REDUCER
RP01315	5/8" OD x 1/2" OD FITTING REDUCER
RP01321	3/4" OD x 1/2" OD FITTING REDUCER
RP01320	3/4" OD x 5/8" OD FITTING REDUCER
RP01327	7/8" OD x 1/2" OD FITTING REDUCER
RP01326	7/8" OD x 5/8" OD FITTING REDUCER
RP01325	7/8" OD x 3/4" OD FITTING REDUCER
RP01339	1-1/8" OD x 5/8" OD FITTING REDUCER
RP01337	1-1/8" OD x 7/8" OD FITTING REDUCER
RP01345	1-3/8" OD x 7/8" OD FITTING REDUCER
RP01343	1-3/8" OD x 1-1/8" OD FITTING REDUCER
RP03005	1/4" OD 45 ELBOW
RP03012	3/8" OD 45 ELBOW
RP03021	1/2" OD 45 ELBOW
RP03026	5/8" OD 45 ELBOW
RP03030	3/4" OD 45 ELBOW
RP03034	7/8" OD 45 ELBOW
RP03044	1-1/8" OD 45 ELBOW

RP03050	1-3/8" OD 45 ELBOW
RP02715	1/4" OD 90° LONG TURN ELBOW
RP02716	3/8" OD 90° LONG TURN ELBOW
RP02717	1/2" OD 90° LONG TURN ELBOW
RP02722	5/8" OD 90° LONG TURN ELBOW
RP02728	3/4" OD 90° LONG TURN ELBOW
RP02734	7/8" OD 90° LONG TURN ELBOW
RP02747	1-1/8" OD 90° LONG TURN ELBOW
RP02055	1-3/8" OD 90° LONG TURN ELBOW
RP02808	1/4" OD 90° LONG TURN STREET ELBOW
RP02809	3/8" OD 90° LONG TURN STREET ELBOW
RP02817	1/2" OD 90° LONG TURN STREET ELBOW
RP02822	5/8" OD 90° LONG TURN STREET ELBOW
RP02828	3/4" OD 90° LONG TURN STREET ELBOW
RP02834	7/8" OD 90° LONG TURN STREET ELBOW
RP02847	1-1/8" OD 90° LONG TURN STREET ELBOW
RP02350	1-3/8" OD 90° LONG TURN STREET ELBOW
RP40306	1/4" OD TEE
RP04000	3/8" OD TEE
RP04001	1/2" OD TEE
RP04006	5/8" OD TEE
RP04017	3/4" OD TEE
RP04031	7/8" OD TEE
RP04048	1 1/8" OD TEE
RP04068	1 3/8" OD TEE
RP40324	3/8" OD x 3/8" OD x 1/4" OD TEE REDUCING
RP04002	1/2" OD x 1/2" OD x 3/8" OD TEE REDUCING
RP04007	5/8" OD x 5/8" OD x 1/2" OD TEE REDUCING
RP04047	5/8" OD x 5/8" OD x 7/8" OD TEE REDUCING
RP04067	5/8" OD x 5/8" OD x 1-1/8" OD TEE REDUCING
RP04035	7/8" OD x 7/8" OD x 3/8" OD TEE REDUCING
RP04065	7/8" OD x 7/8" OD x 1-1/8" OD TEE REDUCING
RP04062	1-1/8" OD x 5/8" OD x 7/8" OD TEE REDUCING
RP04061	1-1/8" OD x 5/8" OD x 1-1/8" OD TEE REDUCING
RP04058	1-1/8" OD x 7/8" OD x 5/8" OD TEE REDUCING
RP04056	1-1/8" OD x 7/8" OD x 7/8" OD TEE REDUCING
RP04055	1-1/8" OD x 7/8" OD x 1-1/8" OD TEE REDUCING
RP04074	1-3/8" OD x 1-1/8" OD x 1-1/8" OD TEE REDUCING
RP04069	1-3/8" OD x 1-3/8" OD x 1-1/8" OD TEE REDUCING

RP15725	1/4" OD SAE FLARE ADAPTER
RP15726	3/8" OD SAE FLARE ADAPTER
RP15727	1/2" OD SAE FLARE ADAPTER
RP15728	5/8" OD SAE FLARE ADAPTER
RP15729	3/4" OD SAE FLARE ADAPTER

Conditions of Listing:

1. The press fittings are only suitable for use with the following refrigerants: R-125, R-134a, R-404A, R-407A, R-407C, R-407F, R-407H, R-410A, R-417A, R-421A, R-422B, R-422D, R-427A, R-438A, R-448A, R-449A, R-450A, R-452A, R-452C, R-507A, R-513A, R-513B, R-718.
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 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.