

IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 – USA • 909-472-4100 • 909-472-4244 • www.iapmort.org



CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: July 2017 -Rev. 8/21/2018- Void After: July 2018

Product: Press and Nail Connections File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd
Yangmeiqiao Industrial Area,
Ruanshi,
311802 Zhuji City, ZHEJIANG
China

Identification: Each fittings, tube, and pipe shall be marked with the manufacturer's name or trademark, nominal size, and the legend "PW" or "Potable Water", when intended for potable water applications. The product shall also bear the cUPC mark.

Characteristics: Copper press fittings with rubber O-rings to be used with copper water tube. The press joint is made with a special hydraulic compression tool. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code and the National Plumbing Code of Canada.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):


Chairman, Product Certification Committee


CEO, The IAPMO Group



This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

Uniform Plumbing Code (UPC®)
National Plumbing Code of Canada

Products are in compliance with the following standard(s):

IAPMO PS 117-2016



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

MODELS:

<u>Model No.</u>	<u>Description</u>
100ANV105AB	4 P x P Press Coupling with Stop
100ANV16AB	1/2 P x P Press Coupling with Stop
100ANV22AB	3/4 P x P Press Coupling with Stop
100ANV28AB	1 P x P Press Coupling with Stop
100ANV35AB	1-1/4 P x P Press Coupling with Stop
100ANV42AB	1-1/2 P x P Press Coupling with Stop
100ANV54AB	2 P x P Press Coupling with Stop
100ANV67AB	2-1/2 P x P Press Coupling with Stop
100ANV80AB	3 P x P Press Coupling with Stop
101ANV10554AB	4x2 P x P Press Coupling Reducer
101ANV10567AB	4x2-1/2 P x P Press Coupling Reducer
101ANV10580AB	4x3 P x P Press Coupling Reducer
101ANV2216AB	3/4x1/2 P x P Press Coupling Reducer
101ANV2816AB	1x1/2 P x P Press Coupling Reducer
101ANV2822AB	1x3/4 P x P Press Coupling Reducer
101ANV3516AB	1-1/4x1/2 P x P Press Coupling Reducer
101ANV3522AB	1-1/4x3/4 P x P Press Coupling Reducer
101ANV3528AB	1-1/4x1 P x P Press Coupling Reducer
101ANV4222AB	1-1/2x3/4 P x P Press Coupling Reducer
101ANV4228AB	1-1/2x1 P x P Press Coupling Reducer
101ANV4235AB	1-1/2x1-1/4 P x P Press Coupling Reducer
101ANV5422AB	2x3/4 P x P Press Coupling Reducer
101ANV5428AB	2x1 P x P Press Coupling Reducer
101ANV5435AB	2x1-1/4 P x P Press Coupling Reducer
101ANV5442AB	2x1-1/2 P x P Press Coupling Reducer
101ANV6728AB	2-1/2x1 P x P Press Coupling Reducer
101ANV6735AB	2-1/2x1-1/4 P x P Press Coupling Reducer
101ANV6742AB	2-1/2x1-1/2 P x P Press Coupling Reducer
101ANV6754AB	2-1/2x2 P x P Press Coupling Reducer
101ANV8035AB	3x1-1/4 P x P Press Coupling Reducer
101ANV8042AB	3x1-1/2 P x P Press Coupling Reducer
101ANV8054AB	3x2 P x P Press Coupling Reducer
101ANV8067AB	3x2-1/2 P x P Press Coupling Reducer
102ANV10554AB	4x2 FTG x P Press Bushing Reducer
102ANV10567AB	4x2-1/2 FTG x P Press Bushing Reducer
102ANV10580AB	4x3 FTG x P Press Bushing Reducer
102ANV2216AB	3/4x1/2 FTG x P Press Bushing Reducer
102ANV2816AB	1x1/2 FTG x P Press Bushing Reducer
102ANV2822AB	1x3/4 FTG x P Press Bushing Reducer
102ANV3516AB	1-1/4x1/2 FTG x P Press Bushing Reducer
102ANV3522AB	1-1/4x3/4 FTG x P Press Bushing Reducer
102ANV3528AB	1-1/4x1 FTG x P Press Bushing Reducer
102ANV4216AB	1-1/2x1/2 FTG x P Press Bushing Reducer
102ANV4222AB	1-1/2x3/4 FTG x P Press Bushing Reducer



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

102ANV4228AB	1-1/2x1 FTG x P Press Bushing Reducer
102ANV4235AB	1-1/2x1-1/4 FTG x P Press Bushing Reducer
102ANV5416AB	2x1/2 FTG x P Press Bushing Reducer
102ANV5422AB	2x3/4 FTG x P Press Bushing Reducer
102ANV5428AB	2x1 FTG x P Press Bushing Reducer
102ANV5435AB	2x1-1/4 FTG x P Press Bushing Reducer
102ANV5442AB	2x1-1/2 FTG x P Press Bushing Reducer
102ANV6728AB	2-1/2x1 FTG x P Press Bushing Reducer
102ANV6735AB	2-1/2x1-1/4 FTG x P Press Bushing Reducer
102ANV6742AB	2-1/2x1-1/2 FTG x P Press Bushing Reducer
102ANV6754AB	2-1/2x2 FTG x P Press Bushing Reducer
102ANV8035AB	3x1-1/4 FTG x P Press Bushing Reducer
102ANV8042AB	3x1-1/2 FTG x P Press Bushing Reducer
102ANV8054AB	3x2 FTG x P Press Bushing Reducer
102ANV8067AB	3x2-1/2 FTG x P Press Bushing Reducer
103ANV105AB	4 P x P Press 90 Elbow
103ANV16AB	1/2 P x P Press 90 Elbow
103ANV22AB	3/4 P x P Press 90 Elbow
103ANV28AB	1 P x P Press 90 Elbow
103ANV35AB	1-1/4 P x P Press 90 Elbow
103ANV42AB	1-1/2 P x P Press 90 Elbow
103ANV54AB	2 P x P Press 90 Elbow
103ANV67AB	2-1/2 P x P Press 90 Elbow
103ANV80AB	3 P x P Press 90 Elbow
104ANV105AB	4 P x FTG Press 90 Street Elbow
104ANV16AB	1/2 P x FTG Press 90 Street Elbow
104ANV22AB	3/4 P x FTG Press 90 Street Elbow
104ANV22AL	3/4 P x FTG Press 90 Extended Street Elbow, L6"
104ANV28AB	1 P x FTG Press 90 Street Elbow
104ANV35AB	1-1/4 P x FTG Press 90 Street Elbow
104ANV42AB	1-1/2 P x FTG Press 90 Street Elbow
104ANV54AB	2 P x FTG Press 90 Street Elbow
104ANV67AB	2-1/2 P x FTG Press 90 Street Elbow
104ANV80AB	3 P x FTG Press 90 Street Elbow
107ANV105AB	4 P x P Press 45 Elbow
107ANV16AB	1/2 P x P Press 45 Elbow
107ANV22AB	3/4 P x P Press 45 Elbow
107ANV28AB	1 P x P Press 45 Elbow
107ANV35AB	1-1/4 P x P Press 45 Elbow
107ANV42AB	1-1/2 P x P Press 45 Elbow
107ANV54AB	2 P x P Press 45 Elbow
107ANV67AB	2-1/2 P x P Press 45 Elbow
107ANV80AB	3 P x P Press 45 Elbow
108ANV105AB	4 P x FTG Press 45 Street Elbow
108ANV16AB	1/2 P x FTG Press 45 Street Elbow
108ANV22AB	3/4 P x FTG Press 45 Street Elbow
108ANV28AB	1 P x FTG Press 45 Street Elbow
108ANV35AB	1-1/4 P x FTG Press 45 Street Elbow



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

108ANV42AB	1-1/2	P x FTG	Press 45 Street Elbow
108ANV54AB	2	P x FTG	Press 45 Street Elbow
108ANV67AB	2-1/2	P x FTG	Press 45 Street Elbow
108ANV80AB	3	P x FTG	Press 45 Street Elbow
111ANV105AB	4	P x P	Press Coupling No Stop
111ANV16AB	1/2	P x P	Press Coupling No Stop
111ANV22AB	3/4	P x P	Press Coupling No Stop
111ANV28AB	1	P x P	Press Coupling No Stop
111ANV35AB	1-1/4	P x P	Press Coupling No Stop
111ANV42AB	1-1/2	P x P	Press Coupling No Stop
111ANV54AB	2	P x P	Press Coupling No Stop
111ANV67AB	2-1/2	P x P	Press Coupling No Stop
111ANV80AB	3	P x P	Press Coupling No Stop
112ANV105AB	4	P x P x P	Press Tee
112ANV16AB	1/2	P x P x P	Press Tee
112ANV22AB	3/4	P x P x P	Press Tee
112ANV28AB	1	P x P x P	Press Tee
112ANV35AB	1-1/4	P x P x P	Press Tee
112ANV42AB	1-1/2	P x P x P	Press Tee
112ANV54AB	2	P x P x P	Press Tee
112ANV67AB	2-1/2	P x P x P	Press Tee
112ANV80AB	3	P x P x P	Press Tee
113ANV10510516AB	4x4x1/2	P x P x P	Press Tee
113ANV10510522AB	4x4x3/4	P x P x P	Press Tee
113ANV10510528AB	4x4x1	P x P x P	Press Tee
113ANV10510535AB	4x4x1-1/4	P x P x P	Press Tee
113ANV10510542AB	4x4x1-1/2	P x P x P	Press Tee
113ANV10510554AB	4x4x2	P x P x P	Press Tee
113ANV10510567AB	4x4x2-1/2	P x P x P	Press Tee
113ANV10510580AB	4x4x3	P x P x P	Press Tee
113ANV222216AB	3/4x3/4x1/2	P x P x P	Press Tee
113ANV282816AB	1x1x1/2	P x P x P	Press Tee
113ANV282822AB	1x1x3/4	P x P x P	Press Tee
113ANV353516AB	1-1/4x1-1/4x1/2	P x P x P	Press Tee
113ANV353522AB	1-1/4x1-1/4x3/4	P x P x P	Press Tee
113ANV353528AB	1-1/4x1-1/4x1	P x P x P	Press Tee
113ANV424216AB	1-1/2x1-1/2x1/2	P x P x P	Press Tee
113ANV424222AB	1-1/2x1-1/2x3/4	P x P x P	Press Tee
113ANV424228AB	1-1/2x1-1/2x1	P x P x P	Press Tee
113ANV424235AB	1-1/2x1-1/2x1-1/4	P x P x P	Press Tee
113ANV545416AB	2x2x1/2	P x P x P	Press Tee
113ANV545422AB	2x2x3/4	P x P x P	Press Tee
113ANV545428AB	2x2x1	P x P x P	Press Tee
113ANV545435AB	2x2x1-1/4	P x P x P	Press Tee
113ANV545442AB	2x2x1-1/2	P x P x P	Press Tee
113ANV676716AB	2-1/2x2-1/2x1/2	P x P x P	Press Tee
113ANV676722AB	2-1/2x2-1/2x3/4	P x P x P	Press Tee
113ANV676728AB	2-1/2x2-1/2x1	P x P x P	Press Tee



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

113ANV676735AB	2-1/2x2-1/2x1-1/4	P x P x P	Press Tee
113ANV676742AB	2-1/2x2-1/2x1-1/2	P x P x P	Press Tee
113ANV676754AB	2-1/2x2-1/2x2	P x P x P	Press Tee
113ANV808016AB	3x3x1/2	P x P x P	Press Tee
113ANV808022AB	3x3x3/4	P x P x P	Press Tee
113ANV808028AB	3x3x1	P x P x P	Press Tee
113ANV808035AB	3x3x1-1/4	P x P x P	Press Tee
113ANV808042AB	3x3x1-1/2	P x P x P	Press Tee
113ANV808054AB	3x3x2	P x P x P	Press Tee
113ANV808067AB	3x3x2-1/2	P x P x P	Press Tee
114ANV1058054AB	4x3x2	P x P x P	Press Tee
114ANV1058080AB	4x3x3	P x P x P	Press Tee
114ANV221616AB	3/4x1/2x1/2	P x P x P	Press Tee
114ANV221622AB	3/4x1/2x3/4	P x P x P	Press Tee
114ANV281616AB	1x1/2x1/2	P x P x P	Press Tee
114ANV281622AB	1x1/2x3/4	P x P x P	Press Tee
114ANV281628AB	1x1/2x1	P x P x P	Press Tee
114ANV282216AB	1x3/4x1/2	P x P x P	Press Tee
114ANV282222AB	1x3/4x3/4	P x P x P	Press Tee
114ANV282228AB	1x3/4x1	P x P x P	Press Tee
114ANV351635AB	1-1/4x1/2x1-1/4	P x P x P	Press Tee
114ANV352216AB	1-1/4x3/4x1/2	P x P x P	Press Tee
114ANV352222AB	1-1/4x3/4x3/4	P x P x P	Press Tee
114ANV352228AB	1-1/4x3/4x1	P x P x P	Press Tee
114ANV352235AB	1-1/4x3/4x1-1/4	P x P x P	Press Tee
114ANV352816AB	1-1/4x1x1/2	P x P x P	Press Tee
114ANV352822AB	1-1/4x1x3/4	P x P x P	Press Tee
114ANV352828AB	1-1/4x1x1	P x P x P	Press Tee
114ANV352835AB	1-1/4x1x1-1/4	P x P x P	Press Tee
114ANV422822AB	1-1/2x1x3/4	P x P x P	Press Tee
114ANV422828AB	1-1/2x1x1	P x P x P	Press Tee
114ANV422842AB	1-1/2x1x1-1/2	P x P x P	Press Tee
114ANV423522AB	1-1/2x1-1/4x3/4	P x P x P	Press Tee
114ANV423528AB	1-1/2x1-1/4x1	P x P x P	Press Tee
114ANV423535AB	1-1/2x1-1/4x1-1/4	P x P x P	Press Tee
114ANV543535AB	2x1-1/4x1-1/4	P x P x P	Press Tee
114ANV544222AB	2x1-1/2x3/4	P x P x P	Press Tee
114ANV544228AB	2x1-1/2x1	P x P x P	Press Tee
114ANV544235AB	2x1-1/2x1-1/4	P x P x P	Press Tee
114ANV544242AB	2x1-1/2x1-1/2	P x P x P	Press Tee
114ANV544254AB	2x1-1/2x2	P x P x P	Press Tee
114ANV672267AB	2-1/2x3/4x2-1/2	P x P x P	Press Tee
114ANV672867AB	2-1/2x1x2-1/2	P x P x P	Press Tee
114ANV673567AB	2-1/2x1-1/4x2-1/2	P x P x P	Press Tee
114ANV674267AB	2-1/2x1-1/2x2-1/2	P x P x P	Press Tee
114ANV675422AB	2-1/2x2x3/4	P x P x P	Press Tee
114ANV675428AB	2-1/2x2x1	P x P x P	Press Tee
114ANV675435AB	2-1/2x2x1-1/4	P x P x P	Press Tee



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

114ANV675442AB	2-1/2x2x1-1/2	P x P x P	Press Tee
114ANV675454AB	2-1/2x2x2	P x P x P	Press Tee
114ANV675467AB	2-1/2x2x2-1/2	P x P x P	Press Tee
114ANV802280AB	3x3/4x3	P x P x P	Press Tee
114ANV802880AB	3x1x3	P x P x P	Press Tee
114ANV803580AB	3x1-1/4x3	P x P x P	Press Tee
114ANV804280AB	3x1-1/2x3	P x P x P	Press Tee
114ANV805454AB	3x2x2	P x P x P	Press Tee
114ANV805467AB	3x2x2-1/2	P x P x P	Press Tee
114ANV805480AB	3x2x3	P x P x P	Press Tee
114ANV806754AB	3x2-1/2x2	P x P x P	Press Tee
114ANV806767AB	3x2-1/2x2-1/2	P x P x P	Press Tee
114ANV806780AB	3x2-1/2x3	P x P x P	Press Tee
115ANV161622AB	1/2x1/2x3/4	P x P x P	Press Tee
115ANV161628AB	1/2x1/2x1	P x P x P	Press Tee
115ANV222228AB	3/4x3/4x1	P x P x P	Press Tee
115ANV282835AB	1x1x1-1/4	P x P x P	Press Tee
137ANV105AB	4	P	Press Cap
137ANV16AB	1/2	P	Press Cap
137ANV22AB	3/4	P	Press Cap
137ANV28AB	1	P	Press Cap
137ANV35AB	1-1/4	P	Press Cap
137ANV42AB	1-1/2	P	Press Cap
137ANV54AB	2	P	Press Cap
137ANV67AB	2-1/2	P	Press Cap
137ANV80AB	3	P	Press Cap
301ANV105102AB	4	P x MPT	Press Male Adapter
301ANV1610AB	1/2x3/8	P x MPT	Press Male Adapter
301ANV1613AB	1/2	P x MPT	Press Male Adapter
301ANV1619AB	1/2x3/4	P x MPT	Press Male Adapter
301ANV2213AB	3/4x1/2	P x MPT	Press Male Adapter
301ANV2219AB	3/4	P x MPT	Press Male Adapter
301ANV2225AB	3/4x1	P x MPT	Press Male Adapter
301ANV2813AB	1x1/2	P x MPT	Press Male Adapter
301ANV2819AB	1x3/4	P x MPT	Press Male Adapter
301ANV2825AB	1	P x MPT	Press Male Adapter
301ANV2832AB	1x1-1/4	P x MPT	Press Male Adapter
301ANV3525AB	1-1/4x1	P x MPT	Press Male Adapter
301ANV3532AB	1-1/4	P x MPT	Press Male Adapter
301ANV3538AB	1-1/4x1-1/2	P x MPT	Press Male Adapter
301ANV4232AB	1-1/2x1-1/4	P x MPT	Press Male Adapter
301ANV4238AB	1-1/2	P x MPT	Press Male Adapter
301ANV4251AB	1-1/2x2	P x MPT	Press Male Adapter
301ANV5438AB	2x1-1/2	P x MPT	Press Male Adapter
301ANV5451AB	2	P x MPT	Press Male Adapter
301ANV6764AB	2-1/2	P x MPT	Press Male Adapter
301ANV8076AB	3	P x MPT	Press Male Adapter
302ANV105102AB	4	P x FPT	Press Female Adapter



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

302ANV1610AB	1/2x3/8 P x FPT Press Female Adapter
302ANV1613AB	1/2 P x FPT Press Female Adapter
302ANV1619AB	1/2x3/4 P x FPT Press Female Adapter
302ANV2213AB	3/4x1/2 P x FPT Press Female Adapter
302ANV2219AB	3/4 P x FPT Press Female Adapter
302ANV2813AB	1x1/2 P x FPT Press Female Adapter
302ANV2819AB	1x3/4 P x FPT Press Female Adapter
302ANV2825AB	1 P x FPT Press Female Adapter
302ANV2832AB	1x1-1/4 P x FPT Press Female Adapter
302ANV3525AB	1-1/4x1 P x FPT Press Female Adapter
302ANV3532AB	1-1/4 P x FPT Press Female Adapter
302ANV3538AB	1-1/4x1-1/2 P x FPT Press Female Adapter
302ANV4232AB	1-1/2x1-1/4 P x FPT Press Female Adapter
302ANV4238AB	1-1/2 P x FPT Press Female Adapter
302ANV5451AB	2 P x FPT Press Female Adapter
302ANV6764AB	2-1/2 P x FPT Press Female Adapter
302ANV8076AB	3 P x FPT Press Female Adapter
303ANV1610AB	1/2x3/8 FTG x MPT Male Street Adapter
303ANV1613AB	1/2x1/2 FTG x MPT Male Street Adapter
303ANV1619AB	1/2x3/4 FTG x MPT Male Street Adapter
303ANV2213AB	3/4x1/2 FTG x MPT Male Street Adapter
303ANV2219AB	3/4x3/4 FTG x MPT Male Street Adapter
303ANV2819AB	1x3/4 FTG x MPT Male Street Adapter
303ANV2825AB	1x1 FTG x MPT Male Street Adapter
303ANV3532AB	1-1/4x1-1/4 FTG x MPT Male Street Adapter
303ANV4238AB	1-1/2x1-1/2 FTG x MPT Male Street Adapter
303ANV5451AB	2x2 FTG x MPT Male Street Adapter
304ANV1610AB	1/2x3/8 FTG x FPT Female Stree Adapter
304ANV1613AB	1/2x1/2 FTG x FPT Female Stree Adapter
304ANV1619AB	1/2x3/4 FTG x FPT Female Stree Adapter
304ANV2213AB	3/4x1/2 FTG x FPT Female Stree Adapter
304ANV2219AB	3/4x3/4 FTG x FPT Female Stree Adapter
304ANV2813AB	1x1/2 FTG x FPT Female Stree Adapter
304ANV2825AB	1x1 FTG x FPT Female Stree Adapter
304ANV3513AB	1-1/4x1/2 FTG x FPT Female Stree Adapter
304ANV3532AB	1-1/4x1-1/4 FTG x FPT Female Stree Adapter
304ANV4238AB	1-1/2x1-1/2 FTG x FPT Female Stree Adapter
304ANV5451AB	2x2 FTG x FPT Female Stree Adapter
305ANV1616AB	1/2x1/2 P x P Press Union
305ANV2222AB	3/4x3/4 P x P Press Union
305ANV2828AB	1x1 P x P Press Union
305ANV3535AB	1-1/4x1-1/4 P x P Press Union
305ANV4242AB	1-1/2x1-1/2 P x P Press Union
305ANV5454AB	2x2 P x P Press Union
306ANV1613AB	1/2x1/2 P x MPT Press Union
306ANV2219AB	3/4x3/4 P x MPT Press Union
306ANV2825AB	1x1 P x MPT Press Union
306ANV3532AB	1-1/4x1-1/4 P x MPT Press Union



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

306ANV4238AB	1-1/2x1-1/2	P x MPT	Press Union
306ANV5451AB	2x2	P x MPT	Press Union
307ANV1613AB	1/2x1/2	P x FPT	Press Union
307ANV2219AB	3/4x3/4	P x FPT	Press Union
307ANV2825AB	1x1	P x FPT	Press Union
307ANV3532AB	1-1/4x1-1/4	P x FPT	Press Union
307ANV4238AB	1-1/2x1-1/2	P x FPT	Press Union
307ANV5451AB	2x2	P x FPT	Press Union
308ANV1625AB	1/2x1	P x F	BSP Press Union
308ANV2225AB	3/4x1	P x F	BSP Press Union
308ANV2825AB	1x1	P x F	BSP Press Union
308ANV2832AB	1x1-1/4	P x F	BSP Press Union



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

ADDITIONAL COMPANY INFO:

Cerro Flow Products, LLC.

<u>Cerro Part #</u>	<u>ID Size</u>	<u>Product Description</u>	<u>Connection</u>
10002	1/2	Coupling with Stop	P x P
10004	3/4	Coupling with Stop	P x P
10006	1	Coupling with Stop	P x P
10008	1 1/4	Coupling with Stop	P x P
10010	1 1/2	Coupling with Stop	P x P
10012	2	Coupling with Stop	P x P
10014	2 1/2	Coupling with Stop	P x P
10016	3	Coupling with Stop	P x P
10018	4	Coupling with Stop	P x P
10102	3/4x1/2	Coupling Reducer	P x P
10104	1x1/2	Coupling Reducer	P x P
10106	1x3/4	Coupling Reducer	P x P
10108	1-1/4x1/2	Coupling Reducer	P x P
10110	1-1/4x3/4	Coupling Reducer	P x P
10112	1-1/4x1	Coupling Reducer	P x P
10114	1-1/2x3/4	Coupling Reducer	P x P
10116	1-1/2x1	Coupling Reducer	P x P
10118	1-1/2x1-1/4	Coupling Reducer	P x P
10120	2x3/4	Coupling Reducer	P x P
10122	2x1	Coupling Reducer	P x P
10124	2x1-1/4	Coupling Reducer	P x P
10126	2x1-1/2	Coupling Reducer	P x P
10128	2-1/2x1	Coupling Reducer	P x P
10130	2-1/2x1-1/4	Coupling Reducer	P x P
10132	2-1/2x1-1/2	Coupling Reducer	P x P
10134	2-1/2x2	Coupling Reducer	P x P
10136	3x1-1/2	Coupling Reducer	P x P
10138	3x2	Coupling Reducer	P x P
10140	3x2-1/2	Coupling Reducer	P x P
10142	4x2	Coupling Reducer	P x P
10144	4x2-1/2	Coupling Reducer	P x P
10146	4x3	Coupling Reducer	P x P
10202	3/4x1/2	Bushing Reducer	FTG x P
10204	1x1/2	Bushing Reducer	FTG x P
10206	1x3/4	Bushing Reducer	FTG x P
10208	1-1/4x1/2	Bushing Reducer	FTG x P
10210	1-1/4x3/4	Bushing Reducer	FTG x P
10212	1-1/4x1	Bushing Reducer	FTG x P
10214	1-1/2x1/2	Bushing Reducer	FTG x P
10216	1-1/2x3/4	Bushing Reducer	FTG x P
10218	1-1/2x1	Bushing Reducer	FTG x P



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

10220	1-1/2x1-1/4	Bushing Reducer	FTG x P
10222	2x1/2	Bushing Reducer	FTG x P
10224	2x3/4	Bushing Reducer	FTG x P
10226	2x1	Bushing Reducer	FTG x P
10228	2x1-1/4	Bushing Reducer	FTG x P
10230	2x1-1/2	Bushing Reducer	FTG x P
10232	2-1/2x1	Bushing Reducer	FTG x P
10234	2-1/2x1-1/4	Bushing Reducer	FTG x P
10236	2-1/2x1-1/2	Bushing Reducer	FTG x P
10238	2-1/2x2	Bushing Reducer	FTG x P
10240	3x1-1/4	Bushing Reducer	FTG x P
10242	3x1-1/2	Bushing Reducer	FTG x P
10244	3x2	Bushing Reducer	FTG x P
10246	3x2-1/2	Bushing Reducer	FTG x P
10248	4x2	Bushing Reducer	FTG x P
10250	4x2-1/2	Bushing Reducer	FTG x P
10252	4x3	Bushing Reducer	FTG x P
10302	1/2	90 Elbow	P x P
10304	3/4	90 Elbow	P x P
10306	1	90 Elbow	P x P
10308	1 1/4	90 Elbow	P x P
10310	1 1/2	90 Elbow	P x P
10312	2	90 Elbow	P x P
10314	2 1/2	90 Elbow	P x P
10316	3	90 Elbow	P x P
10318	4	90 Elbow	P x P
10402	1/2	90 Street Elbow	P x FTG
10404	3/4	90 Street Elbow	P x FTG
10406	1	90 Street Elbow	P x FTG
10408	1 1/4	90 Street Elbow	P x FTG
10410	1 1/2	90 Street Elbow	P x FTG
10412	2	90 Street Elbow	P x FTG
10414	2 1/2	90 Street Elbow	P x FTG
10416	3	90 Street Elbow	P x FTG
10418	4	90 Street Elbow	P x FTG
10420	3/4	90 Extended Street Elbow	P x FTG, L (in)
10702	1/2	45 Elbow	P x P
10704	3/4	45 Elbow	P x P
10706	1	45 Elbow	P x P
10708	1 1/4	45 Elbow	P x P
10710	1 1/2	45 Elbow	P x P
10712	2	45 Elbow	P x P
10714	2 1/2	45 Elbow	P x P
10716	3	45 Elbow	P x P
10718	4	45 Elbow	P x P
10802	1/2	45 Street Elbow	P x FTG
10804	3/4	45 Street Elbow	P x FTG
10806	1	45 Street Elbow	P x FTG



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

10808	1 1/4	45 Street Elbow	P x FTG
10810	1 1/2	45 Street Elbow	P x FTG
10812	2	45 Street Elbow	P x FTG
10814	2 1/2	45 Street Elbow	P x FTG
10816	3	45 Street Elbow	P x FTG
10818	4	45 Street Elbow	P x FTG
11102	1/2	Coupling no Stop	P x P
11104	3/4	Coupling no Stop	P x P
11106	1	Coupling no Stop	P x P
11108	1 1/4	Coupling no Stop	P x P
11110	1 1/2	Coupling no Stop	P x P
11112	2	Coupling no Stop	P x P
11114	2 1/2	Coupling no Stop	P x P
11116	3	Coupling no Stop	P x P
11118	4	Coupling no Stop	P x P
11302	1/2	Tee	P x P x P
11304	3/4	Tee	P x P x P
11306	1	Tee	P x P x P
11308	1 1/4	Tee	P x P x P
11310	1 1/2	Tee	P x P x P
11312	2	Tee	P x P x P
11314	2 1/2	Tee	P x P x P
11316	3	Tee	P x P x P
11318	4	Tee	P x P x P
11402	1/2x1/2x3/4	Tee	P x P x P
11404	1/2x1/2x1	Tee	P x P x P
11406	3/4x1/2x1/2	Tee	P x P x P
11408	3/4x1/2x3/4	Tee	P x P x P
11410	3/4x3/4x1/2	Tee	P x P x P
11412	3/4x3/4x1	Tee	P x P x P
11414	1x1/2x3/4	Tee	P x P x P
11416	1x1/2x1	Tee	P x P x P
11418	1x3/4x1/2	Tee	P x P x P
11420	1x3/4x3/4	Tee	P x P x P
11422	1x3/4x1	Tee	P x P x P
11424	1x1x1/2	Tee	P x P x P
11426	1x1x3/4	Tee	P x P x P
11428	1x1x1-1/4	Tee	P x P x P
11430	1-1/4x3/4x1/2	Tee	P x P x P
11432	1-1/4x3/4x3/4	Tee	P x P x P
11434	1-1/4x3/4x1	Tee	P x P x P
11436	1-1/4x1/2x1-1/4	Tee	P x P x P
11438	1-1/4x3/4x1-1/4	Tee	P x P x P
11440	1-1/4x1x1/2	Tee	P x P x P
11442	1-1/4x1x3/4	Tee	P x P x P
11444	1-1/4x1x1	Tee	P x P x P
11446	1-1/4x1x1-1/4	Tee	P x P x P
11448	1-1/4x1-1/4x1/2	Tee	P x P x P



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

11450	1-1/4x1-1/4x3/4	Tee	P x P x P
11452	1-1/4x1-1/4x1	Tee	P x P x P
11454	1-1/2x1x3/4	Tee	P x P x P
11456	1-1/2x1x1	Tee	P x P x P
11458	1-1/2x1x1-1/2	Tee	P x P x P
11460	1-1/2x1-1/4x3/4	Tee	P x P x P
11462	1-1/2x1-1/4x1	Tee	P x P x P
11464	1-1/2x1-1/4x1-1/4	Tee	P x P x P
11466	1-1/2x1-1/2x1/2	Tee	P x P x P
11468	1-1/2x1-1/2x3/4	Tee	P x P x P
11470	1-1/2x1-1/2x1	Tee	P x P x P
11472	1-1/2x1-1/2x1-1/4	Tee	P x P x P
11476	2x1-1/4x1-1/4	Tee	P x P x P
11478	2x1-1/2x3/4	Tee	P x P x P
11480	2x1-1/2x1	Tee	P x P x P
11482	2x1-1/2x1-1/4	Tee	P x P x P
11484	2x1-1/2x1-1/2	Tee	P x P x P
11486	2x1-1/2x2	Tee	P x P x P
11488	2x2x1/2	Tee	P x P x P
11490	2x2x3/4	Tee	P x P x P
11492	2x2x1	Tee	P x P x P
11494	2x2x1-1/4	Tee	P x P x P
11496	2x2x1-1/2	Tee	P x P x P
11502	2-1/2x3/4x2-1/2	Tee	P x P x P
11504	2-1/2x1x2-1/2	Tee	P x P x P
11506	2-1/2x1-1/4x2-1/2	Tee	P x P x P
11508	2-1/2x1-1/2x2-1/2	Tee	P x P x P
11510	2-1/2x2x3/4	Tee	P x P x P
11512	2-1/2x2x1	Tee	P x P x P
11514	2-1/2x2x1-1/4	Tee	P x P x P
11516	2-1/2x2x1-1/2	Tee	P x P x P
11518	2-1/2x2x2	Tee	P x P x P
11520	2-1/2x2x2-1/2	Tee	P x P x P
11522	2-1/2x2-1/2x1/2	Tee	P x P x P
11524	2-1/2x2-1/2x3/4	Tee	P x P x P
11526	2-1/2x2-1/2x1	Tee	P x P x P
11528	2-1/2x2-1/2x1-1/4	Tee	P x P x P
11530	2-1/2x2-1/2x1-1/2	Tee	P x P x P
11532	2-1/2x2-1/2x2	Tee	P x P x P
11534	3x3/4x3	Tee	P x P x P
11536	3x1x3	Tee	P x P x P
11538	3x1-1/4x3	Tee	P x P x P
11540	3x1-1/2x3	Tee	P x P x P
11542	3x2x2	Tee	P x P x P
11544	3x2x2-1/2	Tee	P x P x P
11546	3x2x3	Tee	P x P x P
11548	3x2-1/2x2	Tee	P x P x P
11550	3x2-1/2x2-1/2	Tee	P x P x P



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

11552	3x2-1/2x3	Tee	P x P x P
11554	3x3x1/2	Tee	P x P x P
11556	3x3x3/4	Tee	P x P x P
11558	3x3x1	Tee	P x P x P
11560	3x3x1-1/4	Tee	P x P x P
11562	3x3x1-1/2	Tee	P x P x P
11564	3x3x2	Tee	P x P x P
11566	3x3x2-1/2	Tee	P x P x P
11568	4x3x2	Tee	P x P x P
11570	4x3x3	Tee	P x P x P
11572	4x4x1/2	Tee	P x P x P
11574	4x4x3/4	Tee	P x P x P
11576	4x4x1	Tee	P x P x P
11578	4x4x1-1/4	Tee	P x P x P
11580	4x4x1-1/2	Tee	P x P x P
11582	4x4x2	Tee	P x P x P
11584	4x4x2-1/2	Tee	P x P x P
11586	4x4x3	Tee	P x P x P
13702	1/2	Cap	P
13704	3/4	Cap	P
13706	1	Cap	P
13708	1 1/4	Cap	P
13710	1 1/2	Cap	P
13712	2	Cap	P
13714	2 1/2	Cap	P
13716	3	Cap	P
13718	4	Cap	P
30102	1/2	Male Adapter	P x MPT
30104	3/4	Male Adapter	P x MPT
30106	1	Male Adapter	P x MPT
30108	1 1/4	Male Adapter	P x MPT
30110	1 1/2	Male Adapter	P x MPT
30112	2	Male Adapter	P x MPT
30114	2 1/2	Male Adapter	P x MPT
30116	3	Male Adapter	P x MPT
30118	4	Male Adapter	P x MPT
30120	1/2x3/8	Male Adapter	P x MPT
30122	1/2x3/4	Male Adapter	P x MPT
30124	3/4x1/2	Male Adapter	P x MPT
30126	3/4x1	Male Adapter	P x MPT
30128	1x1/2	Male Adapter	P x MPT
30130	1x3/4	Male Adapter	P x MPT
30132	1x1-1/4	Male Adapter	P x MPT
30134	1-1/4x1	Male Adapter	P x MPT
30136	1-1/4x1-1/2	Male Adapter	P x MPT
30138	1-1/2x1-1/4	Male Adapter	P x MPT
30140	1-1/2x2	Male Adapter	P x MPT
30142	2x1-1/2	Male Adapter	P x MPT



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

30202	1/2	Female Adapter	P x FPT
30204	3/4	Female Adapter	P x FPT
30206	1	Female Adapter	P x FPT
30208	1 1/4	Female Adapter	P x FPT
30210	1 1/2	Female Adapter	P x FPT
30212	2	Female Adapter	P x FPT
30214	2 1/2	Female Adapter	P x FPT
30216	3	Female Adapter	P x FPT
30218	4	Female Adapter	P x FPT
30220	1/2x3/8	Female Adapter	P x FPT
30222	1/2x3/4	Female Adapter	P x FPT
30224	3/4x1/2	Female Adapter	P x FPT
30226	1x1/2	Female Adapter	P x FPT
30228	1x3/4	Female Adapter	P x FPT
30230	1x1-1/4	Female Adapter	P x FPT
30232	1-1/4x1	Female Adapter	P x FPT
30234	1-1/4x1-1/2	Female Adapter	P x FPT
30236	1-1/2x1-1/4	Female Adapter	P x FPT
30302	1/2x1/2	Male Street Adapter	FTG x MPT
30304	3/4x3/4	Male Street Adapter	FTG x MPT
30306	1x1	Male Street Adapter	FTG x MPT
30308	1-1/4x1-1/4	Male Street Adapter	FTG x MPT
30310	1-1/2x1-1/2	Male Street Adapter	FTG x MPT
30312	2x2	Male Street Adapter	FTG x MPT
30314	1/2x3/8	Male Street Adapter	FTG x MPT
30316	1/2x3/4	Male Street Adapter	FTG x MPT
30318	3/4x1/2	Male Street Adapter	FTG x MPT
30320	1x3/4	Male Street Adapter	FTG x MPT
30402	1/2x1/2	Female Street Adapter	FTG x FPT
30404	3/4x3/4	Female Street Adapter	FTG x FPT
30406	1x1	Female Street Adapter	FTG x FPT
30408	1-1/4x1-1/4	Female Street Adapter	FTG x FPT
30410	1-1/2x1-1/2	Female Street Adapter	FTG x FPT
30412	2x2	Female Street Adapter	FTG x FPT
30414	1/2x3/8	Female Street Adapter	FTG x FPT
30416	1/2x3/4	Female Street Adapter	FTG x FPT
30418	3/4x1/2	Female Street Adapter	FTG x FPT
30420	1x1/2	Female Street Adapter	FTG x FPT
30422	1-1/4x1/2	Female Street Adapter	FTG x FPT
30502	1/2	Union	P x P
30504	3/4	Union	P x P
30506	1	Union	P x P
30508	1 1/4	Union	P x P
30510	1 1/2	Union	P x P
30512	2	Union	P x P
30602	1/2	Union	P x MPT
30604	3/4	Union	P x MPT
30606	1	Union	P x MPT



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

30608	1 1/4	Union	P x MPT
30610	1 1/2	Union	P x MPT
30612	2	Union	P x MPT
30702	1/2	Union	P x FPT
30704	3/4	Union	P x FPT
30706	1	Union	P x FPT
30708	1 1/4	Union	P x FPT
30710	1 1/2	Union	P x FPT
30712	2	Union	P x FPT
30802	1/2x1	Union Tailpiece	P x F BSP
30804	3/4x1	Union Tailpiece	P x F BSP
30806	1x1	Union Tailpiece	P x F BSP
30808	1x1-1/4	Union Tailpiece	P x F BSP

Wieland-Kessler LLC

<u>Model No</u>	<u>Description</u>	<u>Connection Type:</u>	<u>Size (in.)</u>
CP4512	PRESS 45 ELBOW	P X P	1/2
CP4534	PRESS 45 ELBOW	P X P	3/4
CP451	PRESS 45 ELBOW	P X P	1
CP45114	PRESS 45 ELBOW	P X P	1-1/4
CP45112	PRESS 45 ELBOW	P X P	1-1/2
CP452	PRESS 45 ELBOW	P X P	2
CPST4512	PRESS STREET 45 ELBOW	P X FTG	1/2
CPST4534	PRESS STREET 45 ELBOW	P X FTG	3/4
CPST451	PRESS STREET 45 ELBOW	P X FTG	1
CPST45114	PRESS STREET 45 ELBOW	P X FTG	1-1/4
CPST45112	PRESS STREET 45 ELBOW	P X FTG	1-1/2
CPST452	PRESS STREET 45 ELBOW	P X FTG	2
CPL12	PRESS ELBOW 90	P X P	1/2
CPL34	PRESS ELBOW 90	P X P	3/4
CPL1	PRESS ELBOW 90	P X P	1
CPL114	PRESS ELBOW 90	P X P	1-1/4
CPL112	PRESS ELBOW 90	P X P	1-1/2
CPL2	PRESS ELBOW 90	P X P	2
CPSTL12	PRESS STREET 90 ELBOW	P X FTG	1/2
CPSTL34	PRESS STREET 90 ELBOW	P X FTG	3/4
CPSTL1	PRESS STREET 90 ELBOW	P X FTG	1
CPSTL114	PRESS STREET 90 ELBOW	P X FTG	1-1/4
CPSTL112	PRESS STREET 90 ELBOW	P X FTG	1-1/2
CPSTL2	PRESS STREET 90 ELBOW	P X FTG	2
CPCAP12	PRESS CAP	P	1/2
CPCAP34	PRESS CAP	P	3/4
CPCAP1	PRESS CAP	P	1
CPCAP114	PRESS CAP	P	1-1/4
CPCAP112	PRESS CAP	P	1-1/2
CPCAP2	PRESS CAP	P	2
CPSC12	PRESS COUPLING LESS STOP	P X P	1/2



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPSC34	PRESS COUPLING LESS STOP	P X P	3/4
CPSC1	PRESS COUPLING LESS STOP	P X P	1
CPSC114	PRESS COUPLING LESS STOP	P X P	1-1/4
CPSC112	PRESS COUPLING LESS STOP	P X P	1-1/2
CPSC2	PRESS COUPLING LESS STOP	P X P	2
CPC12	PRESS COUPLING W/STOP	P X P	1/2
CPC34	PRESS COUPLING W/STOP	P X P	3/4
CPC1	PRESS COUPLING W/STOP	P X P	1
CPC114	PRESS COUPLING W/STOP	P X P	1-1/4
CPC112	PRESS COUPLING W/STOP	P X P	1-1/2
CPC2	PRESS COUPLING W/STOP	P X P	2
CPC34X12	PRESS RED. COUPLING	P X P	3/4 X 1/2
CPC1X12	PRESS RED. COUPLING	P X P	1 X 1/2
CPC1X34	PRESS RED. COUPLING	P X P	1 X 3/4
CPC114X12	PRESS RED. COUPLING	P X P	1-1/4 X 1/2
CPC114X34	PRESS RED. COUPLING	P X P	1-1/4 X 3/4
CPC114X1	PRESS RED. COUPLING	P X P	1-1/4 X 1
CPC112X34	PRESS RED. COUPLING	P X P	1-1/2 X 3/4
CPC112X1	PRESS RED. COUPLING	P X P	1-1/2 X 1
CPC112X114	PRESS RED. COUPLING	P X P	1-1/2 X 1-1/4
CPC2X34	PRESS RED. COUPLING	P X P	2 X 3/4
CPC2X1	PRESS RED. COUPLING	P X P	2 X 1
CPC2X114	PRESS RED. COUPLING	P X P	2 X 1-1/4
CPC2X112	PRESS RED. COUPLING	P X P	2 X 1-1/2
CPB34X12	PRESS BUSHING	FTG X P	3/4 X 1/2
CPB1X12	PRESS BUSHING	FTG X P	1 X 1/2
CPB1X34	PRESS BUSHING	FTG X P	1 X 3/4
CPB114X12	PRESS BUSHING	FTG X P	1-1/4 X 1/2
CPB114X34	PRESS BUSHING	FTG X P	1-1/4 X 3/4
CPB114X1	PRESS BUSHING	FTG X P	1-1/4 X 1
CPB112X12	PRESS BUSHING	FTG X P	1-1/2 X 1/2
CPB112X34	PRESS BUSHING	FTG X P	1-1/2 X 3/4
CPB112X1	PRESS BUSHING	FTG X P	1-1/2 X 1
CPB112X114	PRESS BUSHING	FTG X P	1-1/2 X 1-1/4
CPB2X12	PRESS BUSHING	FTG X P	2 X 1/2
CPB2X34	PRESS BUSHING	FTG X P	2 X 3/4
CPB2X1	PRESS BUSHING	FTG X P	2 X 1
CPB2X114	PRESS BUSHING	FTG X P	2 X 1-1/4
CPB2X112	PRESS BUSHING	FTG X P	2 X 1-1/2
CPT12	PRESS TEE	P X P X P	1/2
CPT34	PRESS TEE	P X P X P	3/4
CPT1	PRESS TEE	P X P X P	1
CPT114	PRESS TEE	P X P X P	1-1/4
CPT112	PRESS TEE	P X P X P	1-1/2
CPT2	PRESS TEE	P X P X P	2
CPT12X34	PRESS TEE	P X P X P	1/2 X 1/2 X 3/4
CPT12X1	PRESS TEE	P X P X P	1/2 X 1/2 X 1
CPT34X12X12	PRESS TEE	P X P X P	3/4 X 1/2 X 1/2



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPT34X12X34	PRESS TEE	P X P X P	3/4 X 1/2 X 3/4
CPT34X12	PRESS TEE	P X P X P	3/4 X 3/4 X 1/2
CPT34X34X1	PRESS TEE	P X P X P	3/4 X 3/4 X 1
CPT1X12X12	PRESS TEE	P X P X P	1 X 1/2 X 1/2
CPT1X12X34	PRESS TEE	P X P X P	1 X 1/2 X 3/4
CPT1X12X1	PRESS TEE	P X P X P	1 X 1/2 X 1
CPT1X34X12	PRESS TEE	P X P X P	1 X 3/4 X 1/2
CPT1X34X34	PRESS TEE	P X P X P	1 X 3/4 X 3/4
CPT1X34X1	PRESS TEE	P X P X P	1 X 3/4 X 1
CPT1X12	PRESS TEE	P X P X P	1 X 1 X 1/2
CPT1X34	PRESS TEE	P X P X P	1 X 1 X 3/4
CPT1X114	PRESS TEE	P X P X P	1 X 1 X 1-1/4
CPT114X12X114	PRESS TEE	P X P X P	1-1/4 X 1/2 X 1-1/4
CPT114X34X12	PRESS TEE	P X P X P	1-1/4 X 3/4 X 1/2
CPT114X34X34	PRESS TEE	P X P X P	1-1/4 X 3/4 X 3/4
CPT114X34X1	PRESS TEE	P X P X P	1-1/4 X 3/4 X 1
CPT114X34X114	PRESS TEE	P X P X P	1-1/4 X 3/4 X 1-1/4
CPT114X1X12	PRESS TEE	P X P X P	1-1/4 X 1 X 1/2
CPT114X1X34	PRESS TEE	P X P X P	1-1/4 X 1 X 3/4
CPT114X1X1	PRESS TEE	P X P X P	1-1/4 X 1 X 1
CPT114X1X114	PRESS TEE	P X P X P	1-1/4 X 1 X 1-1/4
CPT114X12	PRESS TEE	P X P X P	1-1/4 X 1-1/4 X 1/2
CPT114X34	PRESS TEE	P X P X P	1-1/4 X 1-1/4 X 3/4
CPT114X1	PRESS TEE	P X P X P	1-1/4 X 1-1/4 X 1
CPT112X1X34	PRESS TEE	P X P X P	1-1/2 X 1 X 3/4
CPT112X1X1	PRESS TEE	P X P X P	1-1/2 X 1 X 1
CPT112X1X112	PRESS TEE	P X P X P	1-1/2 X 1 X 1-1/2
CPT112X114X34	PRESS TEE	P X P X P	1-1/2 X 1-1/4 X 3/4
CPT112X114X1	PRESS TEE	P X P X P	1-1/2 X 1-1/4 X 1
CPT112X114X114	PRESS TEE	P X P X P	1-1/2 X 1-1/4 X 1-1/4
CPT112X12	PRESS TEE	P X P X P	1-1/2 X 1-1/2 X 1/2
CPT112X34	PRESS TEE	P X P X P	1-1/2 X 1-1/2 X 3/4
CPT112X1	PRESS TEE	P X P X P	1-1/2 X 1-1/2 X 1
CPT112X114	PRESS TEE	P X P X P	1-1/2 X 1-1/2 X 1-1/4
CPT2X114X114	PRESS TEE	P X P X P	2 X 1-1/4 X 1-1/4
CPT2X112X34	PRESS TEE	P X P X P	2 X 1-1/2 X 3/4
CPT2X112X1	PRESS TEE	P X P X P	2 X 1-1/2 X 1
CPT2X112X114	PRESS TEE	P X P X P	2 X 1-1/2 X 1-1/4
CPT2X112X112	PRESS TEE	P X P X P	2 X 1-1/2 X 1-1/2
CPT2X112X2	PRESS TEE	P X P X P	2 X 1-1/2 X 2
CPT2X12	PRESS TEE	P X P X P	2 X 2 X 1/2
CPT2X34	PRESS TEE	P X P X P	2 X 2 X 3/4
CPT2X1	PRESS TEE	P X P X P	2 X 2 X 1
CPT2X114	PRESS TEE	P X P X P	2 X 2 X 1-1/4
CPT2X112	PRESS TEE	P X P X P	2 X 2 X 1-1/2
CP45212	PRESS 45 ELBOW	P X P	2-1/2
CP453	PRESS 45 ELBOW	P X P	3
CP454	PRESS 45 ELBOW	P X P	4



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPST45212	PRESS STREET 45 ELBOW	P X FTG	2-1/2
CPST453	PRESS STREET 45 ELBOW	P X FTG	3
CPST454	PRESS STREET 45 ELBOW	P X FTG	4
CPL212	PRESS ELBOW 90	P X P	2-1/2
CPL3	PRESS ELBOW 90	P X P	3
CPL4	PRESS ELBOW 90	P X P	4
CPSTL212	PRESS STREET 90 ELBOW	P X FTG	2-1/2
CPSTL3	PRESS STREET 90 ELBOW	P X FTG	3
CPSTL4 P	RESS STREET 90 ELBOW	P X FTG	4
CPCAP212	PRESS CAP	P	2-1/2
CPCAP3	PRESS CAP	P	3
CPCAP4	PRESS CAP	P	4
CPSC212	PRESS COUPLING LESS STOP	P X P	2-1/2
CPSC3	PRESS COUPLING LESS STOP	P X P	3
CPSC4	PRESS COUPLING LESS STOP	P X P	4
CPC212	PRESS COUPLING W/STOP	P X P	2-1/2
CPC3	PRESS COUPLING W/STOP	P X P	3
CPC4	PRESS COUPLING W/STOP	P X P	4
CPC212X1	PRESS RED. COUPLING	P X P	2-1/2 X 1
CPC212X114	PRESS RED. COUPLING	P X P	2-1/2 X 1-1/4
CPC212X112	PRESS RED. COUPLING	P X P	2-1/2 X 1-1/2
CPC212X2	PRESS RED. COUPLING	P X P	2-1/2 X 2
CPC3X114	PRESS RED. COUPLING	P X P	3 X 1-1/4
CPC3X112	PRESS RED. COUPLING	P X P	3 X 1-1/2
CPC3X2	PRESS RED. COUPLING	P X P	3 X 2
CPC3X212	PRESS RED. COUPLING	P X P	3 X 2-1/2
CPC4X2	PRESS RED. COUPLING	P X P	4 X 2
CPC4X212	PRESS RED. COUPLING	P X P	4 X 2-1/2
CPC4X3	PRESS RED. COUPLING	P X P	4 X 3
CPB212X1	PRESS BUSHING	FTG X P	2-1/2 X 1
CPB212X114	PRESS BUSHING	FTG X P	2-1/2 X 1-1/4
CPB212X112	PRESS BUSHING	FTG X P	2-1/2 X 1-1/2
CPB212X2	PRESS BUSHING	FTG X P	2-1/2 X 2
CPB3X114	PRESS BUSHING	FTG X P	3 X 1-1/4
CPB3X112	PRESS BUSHING	FTG X P	3 X 1-1/2
CPB3X2	PRESS BUSHING	FTG X P	3 X 2
CPB3X212	PRESS BUSHING	FTG X P	3 X 2-1/2
CPB4X2 P	RESS BUSHING	FTG X P	4 X 2
CPB4X212	PRESS BUSHING	FTG X P	4 X 2-1/2
CPB4X3	PRESS BUSHING	FTG X P	4 X 3
CPT212	PRESS TEE	P X P X P	2-1/2
CPT3	PRESS TEE	P X P X P	3
CPT4	PRESS TEE	P X P X P	4
CPT212X34X212	PRESS TEE	P X P X P	2-1/2 X 3/4 X 2-1/2
CPT212X1X212	PRESS TEE	P X P X P	2-1/2 X 1 X 2-1/2
CPT212X114X212	PRESS TEE	P X P X P	2-1/2 X 1-1/4 X 2-1/2
CPT212X112X212	PRESS TEE	P X P X P	2-1/2 X 1-1/2 X 2-1/2
CPT212X2X34	PRESS TEE	P X P X P	2-1/2 X 2 X 3/4



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPT212X2X1	PRESS TEE	P X P X P	2-1/2 X 2 X 1
CPT212X2X114	PRESS TEE	P X P X P	2-1/2 X 2 X 1-1/4
CPT212X2X112	PRESS TEE	P X P X P	2-1/2 X 2 X 1-1/2
CPT212X2X2	PRESS TEE	P X P X P	2-1/2 X 2 X 2
CPT212X2X212	PRESS TEE	P X P X P	2-1/2 X 2 X 2-1/2
CPT212X12	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 1/2
CPT212X34	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 3/4
CPT212X1	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 1
CPT212X114	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 1-1/4
CPT212X112	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 1-1/2
CPT212X2	PRESS TEE	P X P X P	2-1/2 X 2-1/2 X 2
CPT3X34X3	PRESS TEE	P X P X P	3 X 3/4 X 3
CPT3X1X3	PRESS TEE	P X P X P	3 X 1 X 3
CPT3X114X3	PRESS TEE	P X P X P	3 X 1-1/4 X 3
CPT3X112X3	PRESS TEE	P X P X P	3 X 1-1/2 X 3
CPT3X2X2	PRESS TEE	P X P X P	3 X 2 X 2
CPT3X2X212	PRESS TEE	P X P X P	3 X 2 X 2-1/2
CPT3X2X3	PRESS TEE	P X P X P	3 X 2 X 3
CPT3X212X2	PRESS TEE	P X P X P	3 X 2-1/2 X 2
CPT3X212X2-1/2	PRESS TEE	P X P X P	3 X 2-1/2 X 2-1/2
CPT3X212X3	PRESS TEE	P X P X P	3 X 2-1/2 X 3
CPT3X12	PRESS TEE	P X P X P	3 X 3 X 1/2
CPT3X34	PRESS TEE	P X P X P	3 X 3 X 3/4
CPT3X1 PRESS TEE		P X P X P	3 X 3 X 1
CPT3X114	PRESS TEE	P X P X P	3 X 3 X 1-1/4
CPT3X112	PRESS TEE	P X P X P	3 X 3 X 1-1/2
CPT3X2 PRESS TEE		P X P X P	3 X 3 X 2
CPT3X212	PRESS TEE	P X P X P	3X 3 X 2-1/2
CPT4X3X2	PRESS TEE	P X P X P	4 X 3 X 2
CPT4X3X3	PRESS TEE	P X P X P	4 X 3 X 3
CPT4X12	PRESS TEE	P X P X P	4 X 4 X 1/2
CPT4X34	PRESS TEE	P X P X P	4 X 4 X 3/4
CPT4X1 PRESS TEE		P X P X P	4 X 4 X 1
CPT4X114	PRESS TEE	P X P X P	4 X 4 X 1-1/4
CPT4X112	PRESS TEE	P X P X P	4 X 4 X 1-1/2
CPT4X2 PRESS TEE		P X P X P	4 X 4 X 2
CPT4X212	PRESS TEE	P X P X P	4 X 4 X 2-1/2
CPT4X3	PRESS TEE	P X P X P	4 X 4 X 3
CPMA12	PRESS ADAPTER	P X MPT	1/2
CPMA34	PRESS ADAPTER	P X MPT	3/4
CPMA1	PRESS ADAPTER	P X MPT	1
CPMA114	PRESS ADAPTER	P X MPT	1-1/4
CPMA112	PRESS ADAPTER	P X MPT	1-1/2
CPMA2	PRESS ADAPTER	P X MPT	2
CPMA212	PRESS ADAPTER	P X MPT	2-1/2
CPMA3	PRESS ADAPTER	P X MPT	3
CPMA4	PRESS ADAPTER	P X MPT	4
CPMA12X38	PRESS ADAPTER	P X MPT	1/2 X 3/8



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPMA12X34	PRESS ADAPTER	P X MPT	1/2 X 3/4
CPMA34X12	PRESS ADAPTER	P X MPT	3/4 X 1/2
CPMA34X1	PRESS ADAPTER	P X MPT	3/4 X 1
CPMA1X12	PRESS ADAPTER	P X MPT	1 X 1/2
CPMA1X34	PRESS ADAPTER	P X MPT	1 X 3/4
CPMA1X114	PRESS ADAPTER	P X MPT	1 X 1-1/4
CPMA114X1	PRESS ADAPTER	P X MPT	1-1/4 X 1
CPMA114X112	PRESS ADAPTER	P X MPT	1-1/4 X 1-1/2
CPMA112X114	PRESS ADAPTER	P X MPT	1-1/2 X 1-1/4
CPMA112X2	PRESS ADAPTER	P X MPT	1-1/2 X 2
CPMA2X112	PRESS ADAPTER	P X MPT	2 X 1-1/2
CPFA12	PRESS ADAPTER	P X FPT	1/2
CPFA34	PRESS ADAPTER	P X FPT	3/4
CPFA1	PRESS ADAPTER	P X FPT	1
CPFA114	PRESS ADAPTER	P X FPT	1-1/4
CPFA112	PRESS ADAPTER	P X FPT	1-1/2
CPFA2	PRESS ADAPTER	P X FPT	2
CPFA212	PRESS ADAPTER	P X FPT	2-1/2
CPFA3	PRESS ADAPTER	P X FPT	3
CPFA4	PRESS ADAPTER	P X FPT	4
CPFA12X38	PRESS ADAPTER	P X FPT	1/2 X 3/8
CPFA12X34	PRESS ADAPTER	P X FPT	1/2 X 3/4
CPFA34X12	PRESS ADAPTER	P X FPT	3/4 X 1/2
CPFA1X12	PRESS ADAPTER	P X FPT	1 X 1/2
CPFA1X34	PRESS ADAPTER	P X FPT	1 X 3/4
CPFA1X114	PRESS ADAPTER	P X FPT	1 X 1-1/4
CPFA114X1	PRESS ADAPTER	P X FPT	1-1/4 X 1
CPFA114X112	PRESS ADAPTER	P X FPT	1-1/4 X 1-1/2
CPFA112X114	PRESS ADAPTER	P X FPT	1-1/2 X 1-1/4
CPSTMA12X38	PRESS ADAPTER	FTG X MPT	1/2 X 3/8
CPSTMA12	PRESS ADAPTER	FTG X MPT	1/2
CPSTMA12X34	PRESS ADAPTER	FTG X MPT	1/2 X 3/4
CPSTMA34X12	PRESS ADAPTER	FTG X MPT	3/4 X 1/2
CPSTMA34	PRESS ADAPTER	FTG X MPT	3/4
CPSTMA1X34	PRESS ADAPTER	FTG X MPT	1 X 3/4
CPSTMA1	PRESS ADAPTER	FTG X MPT	1
CPSTMA114	PRESS ADAPTER	FTG X MPT	1-1/4
CPSTMA112	PRESS ADAPTER	FTG X MPT	1-1/2
CPSTMA2	PRESS ADAPTER	FTG X MPT	2
CPSTFA12X38	PRESS ADAPTER	FTG X FPT	1/2 X 3/8
CPSTFA12	PRESS ADAPTER	FTG X FPT	1/2
CPSTFA12X34	PRESS ADAPTER	FTG X FPT	1/2 X 3/4
CPSTFA34X12	PRESS ADAPTER	FTG X FPT	3/4 X 1/2
CPSTFA34	PRESS ADAPTER	FTG X FPT	3/4
CPSTFA1	PRESS ADAPTER	FTG X FPT	1
CPSTFA1X12	PRESS ADAPTER	FTG X FPT	1 X 1/2
CPSTFA114X12	PRESS ADAPTER	FTG X FPT	1-1/4 X 1/2
CPSTFA114	PRESS ADAPTER	FTG X FPT	1-1/4



IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

-Rev. 8/21/2018-

Void After: July 2018

Product: Press and Nail Connections

File No. 10152

Issued To: Zhuji City Howhi Air Conditioners Made Co., Ltd

CPSTFA112	PRESS ADAPTER	FTG X FPT	1-1/2
CPSTFA2	PRESS ADAPTER	FTG X FPT	2
CPCU12	PRESS UNION	P X P	1/2
CPCU34	PRESS UNION	P X P	3/4
CPCU1	PRESS UNION	P X P	1
CPCU114	PRESS UNION	P X P	1-1/4
CPCU112	PRESS UNION	P X P	1-1/2
CPCU2	PRESS UNION	P X P	2
CPCMU12	PRESS UNION	P X MPT	1/2
CPCMU34	PRESS UNION	P X MPT	3/4
CPCMU1	PRESS UNION	P X MPT	1
CPCMU114	PRESS UNION	P X MPT	1-1/4
CPCMU112	PRESS UNION	P X MPT	1-1/2
CPCMU2	PRESS UNION	P X MPT	2
CPCFU12	PRESS UNION	P X FPT	1/2
CPCFU34	PRESS UNION	P X FPT	3/4
CPCFU1	PRESS UNION	P X FPT	1
CPCFU114	PRESS UNION	P X FPT	1-1/4
CPCFU112	PRESS UNION	P X FPT	1-1/2
CPCFU2	PRESS UNION	P X FPT	2