

IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



CERTIFICATE OF LISTING

LEAD FREE

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.

This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Issued To:

PT. TRI SINAR PURNAMA

JL. MOCH. ICHSAN RT 01/RW 01 KELURAHAN WATES, KECAMATAN NGALIYAN SEMARANG, NG 50188 , Indonesia

Product:

Lead Free Plumbing Products

Products are in compliance with the following standard(s)
Section 1417(d) of the Safe Drinking Water Act, and The lead content requirements of Section 116875 of the California Health & Safety Code

File Number: 6142

Effective Date: September 2019

Void After: September 2024


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.

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Identification:

Each product shall bear permanent and legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product shall bear the appropriate IAPMO R&T certification mark. The product may also bear either "Lead Free" or "Low Lead" above or in close proximity to the IAPMO R&T certification mark.

Characteristics:

Products may include any pipe, pipe fitting, solder, flux, or other plumbing products providing water for human consumption. Products listed below are to be installed in accordance with the manufacturer's instruction. These products have been verified with weighted average lead content $\leq 0.25\%$; Solder and flux lead content $\leq 0.2\%$.

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.

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Models

TEES

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"
6"

COUPLINGS (SOCKET)

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

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Model Number

2 1/2"

3"

4"

6"

CROSSES

Model Number

1/8"

3/8"

1/4"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

ELBOWS 90 DEG

Model Number

1/8"

1/4"

3/8"

1/2"

3/4"

1"

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Model Number

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

6"

ELBOWS 45 DEG

Model Number

1/8"

3/8"

1/4"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

6"

CAPS

Model Number

1/8"

3/8"

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Model Number

1/4"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

6"

STREET ELBOWS 90 DEG

Model Number

1/8"

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

2"

1 1/2"

2 1/2"

3"

4"

6"

STREET ELBOWS 45 DEG

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Model Number

1/8"

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

REDUCING ELBOWS 90 DEG

Model Number

3/8" X 1/8"

3/4" X 1/2"

3/4" X 3/8"

3/4" X 1/4"

3/8" X 1/4"

1/2" X 1/8"

1/2" X 1/4"

1/2"x3/8"

1"x1/2"

1" X 3/4"

1 1/2" X 1/2"

1 1/2"x3/4"

1 1/2"x1"

1 1/2"x1 1/4"

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Model Number

1 1/4" X 1/2"

1 1/4" X 3/4"

1 1/4" X 1"

2" X 1/2"

2" X 3/4"

2" X 1"

2" X 1 1/4"

2"x1 1/2"

2 1/2" X 1"

2 1/2" X 1 1/2"

2 1/2" X 2"

3" x 3/4"

3" x 1"

3" X 1 1/4"

3" X 1 1/2"

3" X 2"

3" X 2 1/2"

4" X 2"

4" x 2 1/2"

4" x 3"

REDUCING SOCKETS (COUPLINGS)

Model Number

1/4" X 1/8"

3/8" X 1/8"

3/8" X 1/4"

1/2" X 1/8"

1/2" X 3/8"

1/2" x 1/4"

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Model Number

3/4" X 1/8"

3/4" X 3/8"

3/4" X 1/2"

3/4" X 1/4"

1" X 3/8"

1" X 1/4"

1" X 1/2"

1" X 3/4"

1 1/4" x 1/2"

1 1/4" x 3/4"

1 1/4" x 1"

1 1/2" X 3/8"

1 1/2" X 1/2"

1 1/2" x 3/4"

1 1/2" x 1"

1 1/2"x 1 1/4"

2" X 3/8"

2" x 1/2"

2" x 3/4"

2" X 1"

2"x 1 1/4"

2" X 1 1/2"

2 1/2" X 1/2"

2 1/2" X 3/4"

2 1/2" X 1"

2 1/2" X 1 1/4"

2 1/2" X 1 1/2"

2 1/2" X 2"

3" X 3/4"

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Model Number

3" X 1"

3" X 1 1/4"

3" X 1 1/2"

3" X 2"

3" X 2 1/2"

4" x 1/2"

4" x 3/4"

4" x 1"

4" x 1 1/4"

4" x 1 1/2"

4" x 2"

4" X 2 1/2"

4" X 3"

6" X 4"

REDUCING TEES

Model Number

3/8" X 1/4"

1/2" x 1/4"

1/2" x 3/8"

1/2"x1/2"x3/4"

1/2"x1/2"x1"

3/4" x 1/4"

3/4" x 3/8"

3/4" x 1/2"

3/4"x1/2"x1/2"

3/4"x1/2"x3/4"

3/4"x1/2"x1"

3/4"x3/4"x1"

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Model Number

3/4"X3/4"X1 1/4"

3/4"x3/4"x1 1/2"

1 " X 1/4"

1" X 3/8"

1" x 1/2"

1"x1/2"x1/2"

1"x1/2"x1"

1"X1/2"X3/4"

1"x3/4"x1/2"

1"x3/4"x3/4"

1"x3/4"x1"

1"X3/4"

1"x1"x1 1/4"

1"X1"X1 1/2"

1"X1"X2"

1 1/4"X1/4"

1 1/4"X1/2"X1/2"

1 1/4"X1/2"

1 1/4"X1/2"X3/4"

1 1/4"x1/2"x1"

1 1/4"x1/2"x11/4"

1 1/4"x3/4"x1/2"

1 1/4"x3/4"x3/4"

1 1/4" X 3/4" X 1"

1 1/4"X3/4"X11/4"

1 1/4"x3/4"

1 1/4"X1"X1/2"

1 1/4" X 1"

1 1/4"X1"X1"

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Model Number

1 1/4"x1"x3/4"

1 1/4"x1"x1 1/4"

1 1/4"x1"x1 1/2"

1 1/4"x1 1/4"x1 1/2"

1 1/4"x1 1/4"x2"

1 1/2"x1/2"x1/2"

1 1/2"x1/2"x3/4"

1 1/2"x1/2"x1"

1 1/2"x1/2"x1 1/4"

1 1/2"x1/2"x1 1/2"

1 1/2"x1"x1/2"

1 1/2"x1"x1"

1 1/2"x1/2"

1 1/2"x3/4"

1 1/2"x3/4"x1/2"

1 1/2"x3/4"x3/4"

1 1/2"x3/4"x1"

1 1/2" X 3/4" X 1 1/2"

1 1/2"x1"x3/4"

1 1/2"x1"x1 1/4"

1 1/2"x1"x1 1/2"

1 1/2"x1 1/4"x1/2"

1 1/2"x1 1/4"x3/4"

1 1/2"x1 1/4"x1"

1 1/2"x1 1/4"x1 1/4"

1 1/2"x1 1/4"x1 1/2"

1 1/2"x1 1/4"x2"

1 1/2" x 1"

1 1/2" x 1 1/4"

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Model Number

1 1/2"x3/4"x1 1/4"

1 1/2"x1 1/2"x2"

1 1/2"x1 1/2"x2 1/2"

2" x 1/2"

2"x3/4"x3/4"

2"x3/4"x2"

2"x1/2"x2"

2"x1"x1"

2"x1"x1 1/2"

2"x1"x2"

2"x1 1/4"x1"

2"x1 1/4"x1 1/2"

2"x1 1/4"x1 1/4"

2"x1 1/4"x2"

2" x 3/4"

2" x 1"

2"x1 1/2"

2"x1 1/2"x3/4"

2"x1 1/2"x1"

2"x1 1/2"x1/2"

2"x1 1/2"x1 1/4"

2"x1 1/2"x1 1/2"

2"x1 1/2"x2"

2"x1 1/4"

2"x2"x2 1/2"

2"x2"x3"

2 1/2"x3/4"

2 1/2"x1"

2 1/2"x1 1/4"

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Model Number

2 1/2"X1 1/2"

2 1/2"X1 1/2"X2"

2 1/2"X1 1/2"X2 1/2"

2 1/2" X 2"

2 1/2"x2"x1"

2 1/2"x2"x2"

2 1/2"x2"x2 1/2"

3"X2"X2"

3"X2"X3"

3" X 1/2"

3" X 1"

3" X 3/4"

3" X 1 1/4"

3" X 1 1/2"

3" X 2"

3" X 2 1/2"

4" X 1/2"

4" X 3/4"

4" X 1"

4" X 1 1/4"

4" X 1 1/2"

4" X 2"

4" X 2 1/2"

4" x 3"

6" X 2"

6" x 3"

6" X 4"

LOCK NUT

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Model Number

1/2"
3/4"
1"
1 1/4"
1 1/2"
2"

OUTSIDE & INSIDE HEAD BUSHING

Model Number

1/4" X 1/8"
3/8" X 1/8"
3/8"X1/4"
1/2"X1/8"
1/2"X1/4"
1/2"X3/8"
3/4" X 1/8"
3/4" X 1/4"
3/4"X1/2"
3/4"X3/8"
1" X 1/8"
1" X 3/8"
1" x 1/4"
1"X1/2"
1"X3/4"
1 1/4"X1/4"
1 1/4" X 3/8"
1 1/4"X1/2"
1 1/4" X 3/4"
1 1/4"X1"

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Model Number

1 1/2" X 1/4"

1 1/2" X 3/8"

1 1/2" X 1/2"

1 1/2" X 3/4"

1 1/2" X 1"

1 1/2" X 1 1/4"

2 X 1/4"

2 X 3/8"

2 X 1/2"

2 X 3/4"

2" x 1"

2" X 1 1/4"

2" x 1 1/2"

2 1/2" x 1/2"

2 1/2" x 3/4"

2 1/2" x 1"

2 1/2" x 1 1/4"

2 1/2" X 1 1/2"

2 1/2" x 2"

3" x 1/2"

3" x 3/4"

3" x 1"

3" X 1 1/4"

3" X 1 1/2"

3" X 2"

3" X 2 1/2"

4" X 1/2"

4" X 3/4"

4" X 1"

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Model Number

4" X 1 1/4"

x 1 1/2

4" x 2"

4" X 2 1/2"

4" x 3"

5" x 4"

6" X 3"

6" X 4"

6" X 5"

PLUG

Model Number

1/8"

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

6"

NIPPLES

Model Number

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Model Number

3/8"

1/2"

3/4"

1 1/4"

1 1/2"

1"

2"

3"

4"

B.EXT

Model Number

1/2"

3/4"

1"

1 1/4"

UNIONS

Model Number

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

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Model Number

3"

4"

UNION BRASS SEAT

Model Number

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

4"

6"

FLOOR FLANGE

Model Number

1/4"

3/8"

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

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Model Number	Description
3/4"X1/2"	REDUCING STREET ELBOWS
1" X 1/2"	REDUCING ELBOWS 45 DEG