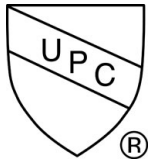


IAPMO RESEARCH AND TESTING, INC.

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



CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of 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/or 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.

Issued To:

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO., LTD

LIANSU INDUSTRIAL ESTATE LONGJIANG TOWN SHUNDE ZONE FOSHAN , GUANGDONG, CHINA

Product:

PVC Plastic Pipe (Sch. 40, 80, 120)

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

Uniform Plumbing Code (UPC®)

Products are certified to the following standard(s)

ASTM D1785-2021a

File Number: 16334

Effective Date: March 2025

Void After: March 2030*


Chairman, Product Certification Committee



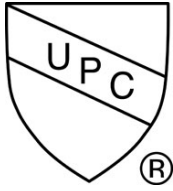

Chief Technical Service Officer

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

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



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: March 2025

File Number: 16334

Product: PVC Plastic Pipe (Sch. 40, 80, 120)

Void After: March 2030

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

Identification:

Marking on the pipe shall include the following at intervals of not more than 5ft. Nominal pipe size , type of plastic pipe material , schedule, pressure rating in psi for water at 73°F, ASTM D1785, Manufacturing name or trademark and the UPC® certification mark.

Characteristics:

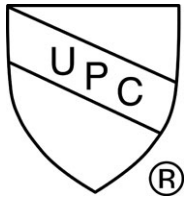
A plain or bell end solvent cemented or elastomeric gasketed rigid polyvinyl chloride (PVC) pipe to be installed in accordance with the requirements of the latest editions of and the Uniform Plumbing Code. USE IS LIMITED TO COLD WATER SERVICE AND YARD PIPING.

Bell end gasketed pipe to be installed with assemblies fabricated with IAPMO listed fittings and compatible pressure rated pipe stubs. Plain or bell end solvent cemented pipe to be used with IAPMO listed PVC fittings, primers and solvent cements.

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.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: March 2025

File Number: 16334

Product: PVC Plastic Pipe (Sch. 40, 80, 120)

Void After: March 2030

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

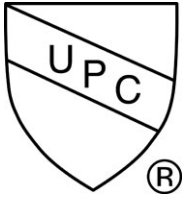
Models

Brand: LESSO

Model Number	Description	Dimension
031-005	PVC SCH40 Pipe, Plain End	1/2"
031-007	PVC SCH40 Pipe, Plain End	3/4"
031-010	PVC SCH40 Pipe, Plain End	1"
031-012	PVC SCH40 Pipe, Plain End	1-1/4"
031-015	PVC SCH40 Pipe, Plain End	1-1/2"
031-020	PVC SCH40 Pipe, Plain End	2"
031-025	PVC SCH40 Pipe, Plain End	2-1/2"
031-030	PVC SCH40 Pipe, Plain End	3"
031-035	PVC SCH40 Pipe, Plain End	3-1/2"
031-040	PVC SCH40 Pipe, Plain End	4"
031-050	PVC SCH40 Pipe, Plain End	5"
031-080	PVC SCH40 Pipe, Plain End	6"
041-007	PVC SCH40 Pipe, Belled End	3/4"
041-010	PVC SCH40 Pipe, Belled End	1"
041-012	PVC SCH40 Pipe, Belled End	1-1/4"
041-015	PVC SCH40 Pipe, Belled End	1-1/2"
041-020	PVC SCH40 Pipe, Belled End	2"
041-025	PVC SCH40 Pipe, Belled End	2-1/2"
041-030	PVC SCH40 Pipe, Belled End	3"
041-035	PVC SCH40 Pipe, Belled End	3-1/2"
041-040	PVC SCH40 Pipe, Belled End	4"
041-050	PVC SCH40 Pipe, Belled End	5"
041-060	PVC SCH40 Pipe, Belled End	6"
071-005	PVC SCH80 Pipe, Plain End	1/2"
071-007	PVC SCH80 Pipe, Plain End	3/4"
071-010	PVC SCH80 Pipe, Plain End	1"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: March 2025

File Number: 16334

Product: PVC Plastic Pipe (Sch. 40, 80, 120)

Void After: March 2030

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

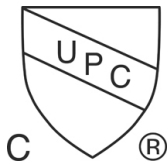
Model Number	Description	Dimension
071-012	PVC SCH80 Pipe, Plain End	1-1/4"
071-015	PVC SCH80 Pipe, Plain End	1-1/2"
071-020	PVC SCH80 Pipe, Plain End	2"
071-025	PVC SCH80 Pipe, Plain End	2-1/2"
071-030	PVC SCH80 Pipe, Plain End	3"
071-035	PVC SCH80 Pipe, Plain End	3-1/2"
071-040	PVC SCH80 Pipe, Plain End	4"
081-050	PVC SCH80 Pipe, Plain End	5"
081-060	PVC SCH80 Pipe, Plain End	6"
081-007	PVC SCH80 Pipe, Belled End	3/4"
081-010	PVC SCH80 Pipe, Belled End	1"
081-012	PVC SCH80 Pipe, Belled End	1-1/4"
081-015	PVC SCH80 Pipe, Belled End	1-1/2"
081-020	PVC SCH80 Pipe, Belled End	2"
081-025	PVC SCH80 Pipe, Belled End	2-1/2"
081-030	PVC SCH80 Pipe, Belled End	3"
081-035	PVC SCH80 Pipe, Belled End	3-1/2"
081-040	PVC SCH80 Pipe, Belled End	4"
081-050	PVC SCH80 Pipe, Belled End	5"
081-060	PVC SCH80 Pipe, Belled End	6"

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Issued To:

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO LTD

LIANSU INDUSTRIAL ESTATE LONGJIANG TOWN SHUNDE ZONE FOSHAN, GD 528318, GUANGDONG, CHINA

Product:

ABS-DWV Pipe and Fittings

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

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

Products are certified to the following standard(s)

ASTM D2661-2021 and CSA B181.1-2021

File Number: 9266

Effective Date: July 2024

Void After: July 2029*


Chairman, Product Certification Committee



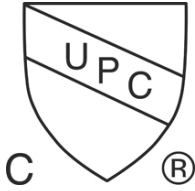

Chief Technical Service Officer

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CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

Void After: July 2029

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

Identification:

The pipe shall be marked on two sides 180° apart or spirally in letters not less than 3/16" high in a contrasting color and shall consist of the manufacturer's name or trademark, nominal pipe size, "ABS DWV" for pipe produced by single extrusion process, "COEX ABS DWV" for pipe produced by the coextrusion process, "ASTM D2661", the date of manufacture or date coding, the designation "B181.1" and the cUPC® certification mark, spaced at intervals of not more than 2 ft. Fittings shall be marked on the body or hub with manufacturer's name or trademark, or both, "ABS", "B181.1" or "DWV", and the cUPC® certification mark.

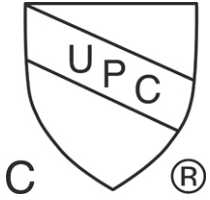
Characteristics:

Single and coextruded layers of Acrylonitrile-Butadiene-Styrene (ABS) plastic drains, waste and vent (DWV) pipe and fittings made to schedule 40 iron pipe size (IPS). To be installed in accordance with the manufacturer's instructions and the requirements of the latest editions of the Uniform Plumbing Code.

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.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

Void After: July 2029

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Models

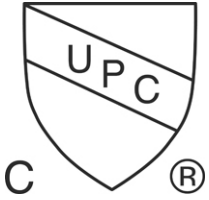
Brand: LESSO®

Note: Models preceded by an asterisk (*) are for vent only.

Model Number	Description
LN100-012	COUPLING(HUB×HUB) 1-1/4"
LN100-015	COUPLING(HUB×HUB) 1-1/2"
LN100-020	COUPLING(HUB×HUB) 2"
LN100-030	COUPLING(HUB×HUB) 3"
LN100-040	COUPLING(HUB×HUB) 4"
LN100-060	COUPLING(HUB×HUB) 6"
LN101-012	FEMALE ADAPTER(HUB×FIPT) 1-1/4"
LN101-015	FEMALE ADAPTER(HUB×FIPT) 1-1/2"
LN101-020	FEMALE ADAPTER(HUB×FIPT) 2"
LN101-030	FEMALE ADAPTER(HUB×FIPT) 3"
LN101-040	FEMALE ADAPTER(HUB×FIPT) 4"
LN101-060	FEMALE ADAPTER(HUB×FIPT) 6"
LN102-212	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)1-1/2×1-1/4
LN102-251	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB) 2×1-1/2"
LN102-337	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)3×1-1/2"
LN102-338	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB) 3×2" REDUCING COUPLING (HUBxHUB)
LN102-419	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)4×1-1/2"
LN102-420L	PIPE INCREASER-REDUCER (HUBxHUB)4×2"
LN102-420	REDUCING COUPLING (HUBxHUB)
LN102-422L	PIPE INCREASER-REDUCER (HUBxHUB)4×3"
LN102-422	REDUCING COUPLING (HUBxHUB)
LN103-012	TRAP ADAPTER(SPGXSJ) 1-1/4"
LN103-015	TRAP ADAPTER(SPGXSJ) 1-1/2"
LN103-212	TRAP ADAPTER(SPGXSJ) 1-1/2" X 1-1/4"
LN103W-015	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ) 1-1/2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

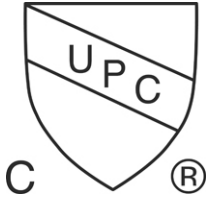
Void After: July 2029

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

Model Number	Description
LN103W-020	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)2"
LN103W-212	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
LN103P-012	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ) 1-1/4"
LN103P-015	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ)-1/2"
LN103P-212	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) 1-1/2×1-1/4" TRAP ADAPTER (SPG×SJ)
LN103X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/4"
LN103X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2"
LN103X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)2"
LN103X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
LN104-012	TRAP ADAPTER (HUB x SJ) 1-1/4"
LN104-015	TRAP ADAPTER (HUB x SJ) 1-1/2"
LN104-020	TRAP ADAPTER (HUB x SJ) 2"
LN104-212	TRAP ADAPTER (HUB x SJ) 1-1/2" X 1-1/4"
LN104W-020	TRAP ADAPTER W/CHROME NUT & WASHER (HUB×SJ)2"
LN104W-212	TRAP ADAPTER W/CHROME NUT & WASHER (HUB×SJ)1-1/2×1-1/4"
LN104P-012	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) 1-1/4" TRAP ADAPTER (HUB×SJ)
LN104P-015	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) 1-1/2" TRAP ADAPTER (HUB×SJ)
LN104P-212	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) TRAP ADAPTER (HUB×SJ)1-1/2×1-1/4"
LN104X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/4"
LN104X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/2"
LN104X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)2"
LN104X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/2×1-1/4"
LN105-012	CLEANOUT ADAPTER (SPG×FIPT)1-1/4"
LN105-015	CLEANOUT ADAPTER (SPG×FIPT)1-1/2" FEMALE ADAPTER (SPG×FIPT)
LN105-020	CLEANOUT ADAPTER (SPG×FIPT)2" FEMALE ADAPTER (SPG×FIPT)
LN105-030	CLEANOUT ADAPTER (SPG×FIPT)3" FEMALE ADAPTER (SPG×FIPT)
LN105-040	CLEANOUT ADAPTER (SPG×FIPT)4" FEMALE ADAPTER (SPG×FIPT)
LN105-060	CLEANOUT ADAPTER (SPG×FIPT)6"
LN105X-012	CLEANOUT ADAPTER W/PLUG (SPG×CLEANOUT W/PLUG)1-1/4"

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INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

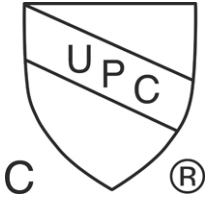
Void After: July 2029

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Model Number	Description
LN105X-015	CLEANOUT ADAPTER W/PLUG (SPG×CLEANOUT W/PLUG)1-1/2" CLEANOUT ADAPTER (SPG×CLEANOUT)
LN105X-020	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)2"CLEANOUT ADAPTER (SPG×CLEANOUT)
LN105X-030	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)3"CLEANOUT ADAPTER (SPG×CLEANOUT)
LN105X-040	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)4"CLEANOUT ADAPTER (SPG×CLEANOUT)
LN105X-060	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)6"
LN106-015	CLEANOUT PLUG(MIPT) 1-1/2"
LN106-020	CLEANOUT PLUG(MIPT) 2"
LN106-025	CLEANOUT PLUG(MIPT) 2-1/2"
LN106-030	CLEANOUT PLUG(MIPT) 3"
LN106-035	CLEANOUT PLUG(MIPT) 3-1/2"
LN106-040	CLEANOUT PLUG(MIPT) 4"
LN106R-012	PLUG WITH GASKET(MIPT)1-1/4"
LN106R-015	PLUG WITH GASKET(MIPT)1-1/2"
LN106R-020	PLUG WITH GASKET(MIPT)2"
LN106R-025	PLUG WITH GASKET(MIPT)2-1/2"
LN106R-030	PLUG WITH GASKET(MIPT)3"
LN106R-035	PLUG WITH GASKET(MIPT)2-1/2"
LN106R-040	PLUG WITH GASKET(MIPT)4"
LN106R-060	PLUG WITH GASKET(MIPT)6"
LN107-212	FLUSH BUSHING(SPG×HUB)1-1/2×1-1/4"
LN107-251	FLUSH BUSHING(SPG×HUB)2×1-1/2"
LN107-337	FLUSH BUSHING(SPG×HUB)3×1-1/2"
LN107-338	FLUSH BUSHING(SPG×HUB)3×2"
LN107-419	FLUSH BUSHING(SPG×HUB)4×1-1/2"
LN107-420	FLUSH BUSHING(SPG×HUB)4×2"
LN107-422	FLUSH BUSHING(SPG×HUB)4×3"
LN107-532	FLUSH BUSHING(SPG×HUB)6×4"
LN108-209	FLUSH ADAPTER (SPG×FIPT)1-1/2×1/2"
LN108-210	FLUSH ADAPTER (SPG×FIPT)1-1/2×3/4"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

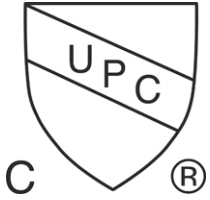
Void After: July 2029

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Model Number	Description
LN108-212	FLUSH ADAPTER (SPG×FIPT)1-1/2 x 1-1/4"
LN108-251	FLUSH ADAPTER (SPG×FIPT)2 x 1-1/2"
LN108-337	FLUSH ADAPTER (SPG×FIPT)3×1-1/2"
LN108-338	FLUSH ADAPTER (SPG×FIPT)3x 2"
LN108-422	FLUSH ADAPTER (SPG×FIPT)4x 3"
LN109-012	MALE ADAPTER(HUB×MIPT) 1-1/4"
LN109-015	MALE ADAPTER(HUB×MIPT) 1-1/2"
LN109-020	MALE ADAPTER(HUB×MIPT) 2"
LN109-030	MALE ADAPTER(HUB×MIPT) 3"
LN109-040	MALE ADAPTER(HUB×MIPT) 4"
LN109-212	MALE ADAPTER(HUB×MIPT) 1-1/2×1-1/4"
LN110S-015	SLIP PLUG (SPG) 1-1/2"
LN110S-020	SLIP PLUG(SPG) 2"
LN110S-025	SLIP PLUG 2-1/2"
LN110S-030	SLIP PLUG(SPG) 3"
LN110S-035	SLIP PLUG(SPG) 3-1/2"
LN110S-040	SLIP PLUG(SPG) 4"
LN111-012	MALE ADAPTER(SPG×MIPT) 1-1/4"
LN111-015	MALE ADAPTER(SPG×MIPT) 1-1/2"
LN111-020	MALE ADAPTER(SPG×MIPT) 2"
LN111-030	MALE ADAPTER(SPG×MIPT) 3"
LN111-040	MALE ADAPTER(SPG×MIPT)4"
LN111-212	MALE ADAPTER(SPG×MIPT)1-1/2×1-1/4"
LN116-012	CAP(HUB)1-1/4"
LN116-015	CAP(HUB)1-1/2"
LN116-020	CAP(HUB)2"
LN116-030	CAP(HUB)3"
LN116-040	CAP(HUB)4"
LN116-060	CAP(HUB)6"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

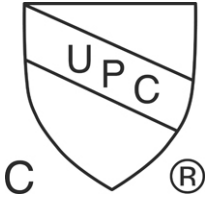
Void After: July 2029

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Model Number	Description
LN117-342	SEWER & DRAIN ADAPTER(HUBxHUB) 3 x 4"
LN117-422	SEWER & DRAIN ADAPTER (HUBxHUB)4x3" SEWER DRAIN ADAPTER (HUBxHUB)
LN119-020	NO-HUB ADAPTER(SPGxHUB)2"
LN119-030	NO-HUB ADAPTER(SPGxHUB)3"
LN119-040	NO-HUB ADAPTER(SPGxHUB)4"
LN119-251	NO-HUB ADAPTER(SPGxHUB)2 x 1-1/2"
LN119-422	NO-HUB ADAPTER(SPGxHUB)4 x 3"
LN120-015	ABS-COPPER ADAPTER (HUBxSJ)1-1/2"
LN120-212	ABS-COPPER ADAPTER (HUBxSJ) 1-1/2x1-1/4"
LN123-020	HUB ADAPTER CAST IRON (HUBxSJ)2"
LN123-030	HUB ADAPTER CAST IRON (HUBxSJ)3"
LN123-040	HUB ADAPTER CAST IRON (HUBxSJ)4"
LN123R-213	HUB ADAPTER CAST IRON INCREASER(HUBxSJ) 1-1/2 x 2"
LN123R-342	HUB ADAPTER CAST IRON INCREASER(HUBxSJ) 3 x 4"
LN126-015	UNION(HUBxHUB)1-1/2"
LN126-020	UNION(HUBxHUB)2"
LN130-015	REPAIR COUPLING(HUBxHUB)1-1/2"
LN130-020	REPAIR COUPLING(HUBxHUB)2"
LN130-030	REPAIR COUPLING(HUBxHUB)3"
LN130-040	REPAIR COUPLING(HUBxHUB)4"
LN130X-015	TRAY PLUG ADAPTER - SPIGOT 1-1/2"
LN135-015	THREADED CAP (FIPT) 1-1/2"
LN135-020	THREADED CAP (FIPT) 2"
LN135-030	THREADED CAP (FIPT) 3
LN300-012	90 deg.ELBOW (HUBxHUB) 1-1/4" 90 deg.ELBOW LONG-TURN (HUBxHUB)
LN300-015	90 deg.ELBOW (HUBxHUB) 1-1/2" 90 deg.ELBOW LONG-TURN (HUBxHUB)
LN300-020	90 deg.ELBOW (HUBxHUB) 2" 90 deg.ELBOW LONG-TURN (HUBxHUB)
LN300-030	90 deg.ELBOW (HUBxHUB) 3" 90 deg.ELBOW LONG-TURN (HUBxHUB)
LN300-040	90 deg.ELBOW (HUBxHUB) 4" 90 deg.ELBOW LONG-TURN (HUBxHUB)

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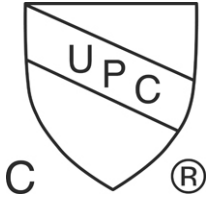
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Model Number	Description
LN300-060	90 deg. ELBOW (HUB×HUB) 6 90 deg. ELBOW LONG-TURN (HUB×HUB)
LN300-012S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 1-1/4"
LN300-015S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 1-1/2" 90 deg. ELBOW (HUB×HUB)
LN300-020S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 2" 90 deg. ELBOW (HUB×HUB)
LN300-030S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 3" 90 deg. ELBOW (HUB×HUB)
LN300-040S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 4" 90 deg. ELBOW (HUB×HUB)
LN300-060S	90 deg. ELBOW-SHORT TURN (HUB×HUB) 6"
*LN300S-337	90 deg. ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
*LN300S-338	90 deg. ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 2"
LN302-012	90 deg. STREET ELBOW (HUB×SPG) 1-1/4" 90 deg. STREET ELBOW LONG-TURN (HUB×SPG) 1-1/4"
LN302-015	90 deg. STREET ELBOW (HUB×SPG) 1-1/2" 90 deg. STREET ELBOW LONG-TURN (HUB×SPG) 1-1/2"
LN302-020	90 deg. STREET ELBOW (HUB×SPG) 2" 90 deg. STREET ELBOW LONG-TURN (HUB×SPG) 2"
LN302-030	90 deg. STREET ELBOW (HUB×SPG) 3" 90 deg. STREET ELBOW LONG-TURN (HUB×SPG) 3"
LN302-040	90 deg. STREET ELBOW (HUB×SPG) 4" 90 deg. STREET ELBOW LONG-TURN (HUB×SPG) 4"
LN302-060	90 deg. STREET ELBOW (HUB×SPG) 6"
LN302-015S	90 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 1-1/2" 90 deg. STREET ELBOW (HUB×SPG) 1-1/2"
LN302-020S	90 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 2" 90 deg. STREET ELBOW (HUB×SPG) 2"
LN302-030S	90 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 3" 90 deg. STREET ELBOW (HUB×SPG) 3"
LN302-040S	90 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 4" 90 deg. STREET ELBOW (HUB×SPG) 4"
LN303-337	90 ELBOW W/ LOW HEEL INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
LN303-338	90 deg. ELBOW W/ LOW HEEL INLET (HUB×HUB×HUB) 3 x 3 x 2"
LN303-420	90 deg. ELBOW W/ LOW HEEL INLET (HUB×HUB×HUB) 4 x 4 x 2"
LN304-012	90 deg. LONG SWEEP ELBOW (HUB×HUB) 1-1/4"
LN304-015	90 deg. LONG SWEEP ELBOW (HUB×HUB) 1-1/2"
LN304-020	90 deg. LONG SWEEP ELBOW (HUB×HUB) 2"
LN304-030	90 deg. LONG SWEEP ELBOW (HUB×HUB) 3"
LN304-040	90 deg. LONG SWEEP ELBOW (HUB×HUB) 4"
LN310-338	90 deg. STREET ELBOW W/ LOW HEEL INLET (HUB×SPG×HUB) 3 x 3 x 2"
LN319-015	60 deg. ELBOW (HUB×HUB) 1-1/2"

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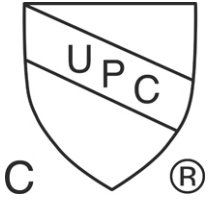
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Model Number	Description
LN319-020	60 deg. ELBOW(HUB×HUB)2"
LN319-030	60 deg. ELBOW(HUB×HUB)3"
LN319-040	60 deg. ELBOW(HUB×HUB)4"
LN320-015	60 deg. STREET ELBOW (HUB×SPG)1-1/2"
LN320-020	60 deg. STREET ELBOW (HUB×SPG)2"
LN320-030	60 deg. STREET ELBOW (HUB×SPG)3"
LN320-040	60 deg. STREET ELBOW (HUB×SPG)4"
LN321-012	45 deg. ELBOW (HUB×HUB)1-1/4" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/4"
LN321-015	45 deg. ELBOW (HUB×HUB)1-1/2" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/2"
LN321-020L	45 deg. ELBOW (HUB×HUB)2"
LN321-030L	45 deg. ELBOW (HUB×HUB)3"
LN321-040	45 deg. ELBOW (HUB×HUB)4" 45 deg. ELBOW LONG-TURN HUBxHUB)4"
LN321-060	45 deg. ELBOW (HUB×HUB)6" 45 deg. ELBOW LONG-TURN HUBxHUB)6"
LN321-015S	45 deg. ELBOW-SHORT TURN (HUB×HUB)1-1/2" 45 deg. ELBOW (HUB×HUB)1-1/2"
LN321-020S	45 deg. ELBOW-SHORT TURN (HUB×HUB)2" 45 deg. ELBOW (HUB×HUB)2"
LN321-030S	45 deg. ELBOW-SHORT TURN (HUB×HUB)3" 45 deg. ELBOW (HUB×HUB)3"
LN321-040S	45 deg. ELBOW-SHORT TURN (HUB×HUB)4" 45 deg. ELBOW (HUB×HUB)4"
LN323-012	45 deg. STREET ELBOW (HUB×SPG)1-1/4" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/4"
LN323-015	45 deg. STREET ELBOW (HUB×SPG)1-1/2" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/2"
LN323-020L	45 deg. STREET ELBOW (HUB×SPG)2"
LN323-030L	45 deg. STREET ELBOW (HUB×SPG)3"
LN323-040	45 deg. STREET ELBOW (HUB×SPG)4" 45 deg. STREET ELBOW LONG-TURN HUBxSPG)
LN323-060	45 deg. STREET ELBOW (HUB×SPG)6
LN323-015S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 1-1/2" 45 deg. STREET ELBOW (HUB×SPG)
LN323-020S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 2" 45 deg. STREET ELBOW (HUB×SPG)
LN323-030S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 3" 45 deg. STREET ELBOW (HUB×SPG)
LN323-040S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 4" 45 deg. STREET ELBOW(HUB×SPG)
LN324-015	22½ deg. ELBOW(HUB×HUB)1-1/2"
LN324-020	22½ deg. ELBOW(HUB×HUB)2"

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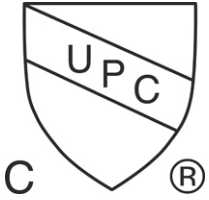
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Model Number	Description
LN324-030	22½ deg. ELBOW(HUB×HUB)3"
LN324-040	22½ deg. ELBOW(HUB×HUB)4"
LN324-060	22½ deg. ELBOW(HUB×HUB)6"
LN326-015	22½ deg. STREET ELBOW(HUB×SPG)1-1/2"
LN326-020	22½ deg. STREET ELBOW(HUB×SPG)2"
LN326-030	22½ deg. STREET ELBOW(HUB×SPG)3"
LN326-040	22½ deg. STREET ELBOW(HUB×SPG)4"
LN327-015	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)1-1/2"
LN327-020	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2"
LN327-030	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)3"
LN327-040	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)4"
LN327-241	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
LN329-422	90 deg. REDUCING CLOSET ELBOW(HUB×HUB) 4×3 " 90 deg. CLOSET ELBOW (HUBxHUB)4×3"
LN330X-342	90 deg. REDUCING CLOSET STREET ELBOW W/TEST CAP (HUB×SPG)3 x 4"
LN330-342	90 deg. REDUCING CLOSET STREET ELBOW (HUB×SPG)3 x 4"
LN331-012	90 deg. VENT ELBOW(HUB×HUB)1-1/4"
LN331-015	90 deg. VENT ELBOW(HUB×HUB)1-1/2"
LN331-020	90 deg. VENT ELBOW(HUB×HUB)2"
LN331-030	90 deg. VENT ELBOW(HUB×HUB)3"
LN331-040	90 deg. VENT ELBOW(HUB×HUB)4"
LN400-012L	SANITARY TEE(HUB×HUB×HUB)1-1/4"
LN400-012	SANITARY TEE(HUB×HUB×HUB)1-1/4"
LN400-015L	SANITARY TEE(HUB×HUB×HUB)1-1/2"
LN400-015	SANITARY TEE(HUB×HUB×HUB)1-1/2"
LN400-020L	SANITARY TEE(HUB×HUB×HUB)2"
LN400-020	SANITARY TEE(HUB×HUB×HUB)2"
LN400-030	SANITARY TEE(HUB×HUB×HUB)3"
LN400-040L	SANITARY TEE(HUB×HUB×HUB)4"
LN400-040	SANITARY TEE(HUB×HUB×HUB)4"

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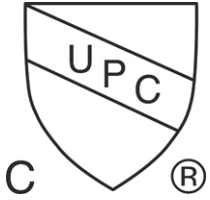
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Model Number	Description
LN400-060	SANITARY TEE(HUB×HUB×HUB)6"
LN401-222	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/4"
LN401-212	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/2 x 1-1/4"
LN401-225	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/2"
LN401-241L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
LN401-241	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
LN401-251L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
LN401-251	SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
LN401-257L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
LN401-257	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
LN401-337	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×1-1/2" SANITARY TEE(HUB×HUB×HUB)3×3×1-1/2"
LN401-338L	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×2"
LN401-338	SANITARY TEE(HUB×HUB×HUB) 3×3×2"
LN401-419	REDUCING SANITARY TEE(HUB×HUB×HUB) 4 x 4 x 1-1/2"
LN401-420	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×2" SANITARY TEE(HUB×HUB×HUB) 4×4×2"
LN401-422	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×3" SANITARY TEE(HUB×HUB×HUB) 4×4×3"
LN401-532	REDUCING SANITARY TEE(HUB×HUB×HUB) 6 x 6 x 4"
LN403-015	STREET SANITARY TEE(SPG×HUB×HUB) 1-1/2"
LN403-020	STREET SANITARY TEE(SPG×HUB×HUB) 2"
LN403-030	STREET SANITARY TEE(SPG×HUB×HUB) 3"
LN403-040	STREET SANITARY TEE(SPG×HUB×HUB) 4"
LN404-241	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×1-1/2"
LN404-251	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×2×1-1/2"
LN404-257	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×2"
LN404-337	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3×3×1-1/2" STREET SANITARY TEE (SPG×HUB×HUB) 3×3×1-1/2"
LN404-338	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3 x 3 x 2"
*LN416-337	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*LN416-338	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x3 x 2"
*LN416-329	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"

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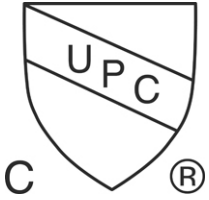
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Model Number	Description
*LN416-420	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*LN417-337	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*LN417-338	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 2"
*LN417-329	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"
*LN417-420	SANITARY TEE W /RIGHT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*LN418-337	SANITARY TEE W/R & L SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2 x 1-1/2"
*LN418-338	SANITARY TEE W/R & L SIDE INLET(ALL HUB) 3 x 3 x 3 x 2 x 2"
*LN418-420	SANITARY TEE W/R & L SIDE INLET(ALL HUB) 4"x4"x4"x2"x2"
LN428-015	DOUBLE SANITARY TEE(ALL HUB)1-1/2"
LN428-020	DOUBLE SANITARY TEE(ALL HUB)2"
LN428-030	DOUBLE SANITARY TEE(ALL HUB)3"
LN428-040	DOUBLE SANITARY TEE(ALL HUB)4"
LN429-251	REDUCING DOUBLE SANITARY TEE(ALL HUB) 2x2x1-1/2x1-1/2"DOUBLE SANITARY TEE (ALL HUB)2x2x1-1/2x1-1/2"
LN429-337	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3x3x1-1/2x1-1/2" DOUBLE SANITARY TEE (ALL HUB)3x3x1-1/2x1-1/2"
LN429-338	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 2"
LN429-420	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 2 x 2"
LN429-422	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 3 x 3"
LN429-323	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 1-1/2"
*LN438-337	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 1-1/ 2"
*LN438-338	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 2"
*LN438-420	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)4 x 4x 4 x 4 x 2"
*LN439-338	DOUBLE SANITARY TEE W / R & L SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 2 x 2"
LN441-015	VENT TEE(HUBxHUBxHUB)1-1/2"
LN441-020	VENT TEE(HUBxHUBxHUB)2"
LN441-030	VENT TEE(HUBxHUBxHUB)3"
LN441-040	VENT TEE(HUBxHUBxHUB)4"
LN441-337	VENT TEE(HUBxHUBxHUB)3"x3"x1-1/2"
LN441-338	VENT TEE(HUBxHUBxHUB)3"x3"x2"
LN444X-427	TEST TEE(HUBxHUBxCLEANOUT W/PLUG) 4x3x4" TEST TEE (HUBxHUBxCLEANOUT)4x3x4"

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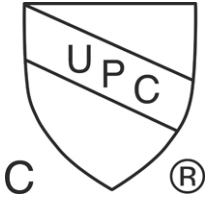
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Model Number	Description
LN444X-015L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
LN444X-015	TEST TEE (HUB×HUB×CLEANOUT)1-1/2"
LN444X-020L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 2"
LN444X-020	TEST TEE (HUB×HUB×CLEANOUT)2"
LN444X-030L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 3"
LN444X-030	TEST TEE (HUB×HUB×CLEANOUT)3"
LN444X-040L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 4"
LN444X-040	TEST TEE (HUB×HUB×CLEANOUT)4"
LN448-030	TWO-WAY CLEANOUT(HUB×HUB×HUB)3"
LN448-040	TWO-WAY CLEANOUT(HUB×HUB×HUB)4"
LN500-020	DOUBLE FIXTURE FITTING(ALL HUB)2"
LN500-030	DOUBLE FIXTURE FITTING(ALL HUB)3"
LN500-241	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 1-1/2 x 1-1/2"
LN500-251	2"x2"x1-1-2"x1-1-2" Double Fixture Fitting (All Hub)
LN500-257	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 2 x 2"
LN500-338	DOUBLE FIXTURE FITTING(ALL HUB)3 x 2 x 3 x 3"
LN501-015	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 1-1/2"
LN501-020	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 2"
LN501-030	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 3"
LN501-040	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 4"
LN502-241	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
LN502-251	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 2 x 1-1/2"
LN502-257	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 2"
LN502-337	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 1-1/2"
LN502-338	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 2"
LN502-420	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 2"
LN502-422	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 3"
LN503-020	COMBINATION WYE & 1/8 BEND (TWO PC)(HUB×HUB×HUB) 2"
LN600-012	45 deg. WYE (HUB×HUB×HUB) 1-1/4"

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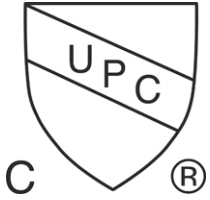
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Model Number	Description
LN600-015L	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
LN600-015	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
LN600-020L	45 deg. WYE(HUB×HUB×HUB) 2"
LN600-020	45 deg. WYE(HUB×HUB×HUB) 2"
LN600-030L	45 deg. WYE(HUB×HUB×HUB) 3"
LN600-030	45 deg. WYE(HUB×HUB×HUB) 3"
LN600-040L	45 deg. WYE(HUB×HUB×HUB) 4"
LN600-040	45 deg. WYE(HUB×HUB×HUB) 4"
LN600-060	45 deg. WYE(HUB×HUB×HUB) 6"
LN601-241	45 deg. REDUCING WYE (HUB×HUB×HUB)2×1-1/2×1-1/2" 45 deg. WYE(HUB×HUB×HUB)
LN601-251L	45 deg. REDUCING WYE(HUB×HUB×HUB) 2×2×1-1/2"
LN601-251	45 deg. WYE (HUB×HUB×HUB) 2×2×1-1/2"
LN601-337L	45 deg. REDUCING WYE(HUB×HUB×HUB) 3×3×1-1/2"
LN601-337	45 deg. WYE (HUB×HUB×HUB) 3×3×1-1/2"
LN601-338L	45 deg. REDUCING WYE(HUB×HUB×HUB)3×3×2"
LN601-338	45 deg. WYE (HUB×HUB×HUB) 3×3×2"
LN601-419	45 deg. REDUCING WYE (HUB×HUB×HUB) 4 x 4 x 1-1/2"
LN601-420L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×2"
LN601-420	45 deg. WYE (HUB×HUB×HUB) 4×4×2"
LN601-422L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×3"
LN601-422	45 deg. WYE (HUB×HUB×HUB) 4×4×3"
LN601-530	45 deg. REDUCING WYE (HUB×HUB×HUB) 6 x 6 x 3"
LN601-532	45 deg. REDUCING WYE (HUB×HUB×HUB) 6×6×4" 45 deg. WYE (HUB×HUB×HUB)
LN601-209	
LN601-210	
LN610-015	
LN602-015	45 deg. STREET WYE (SPG×HUB×HUB)1 1/2"
LN602-020	45 deg. STREET WYE (SPG×HUB×HUB)2"
LN602-030	45 deg. STREET WYE(SPG×HUB×HUB)3"

IAPMO RESEARCH AND TESTING, INC.

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INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

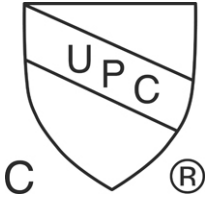
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Model Number	Description
LN602-040	45 deg. STREET WYE (SPG×HUB×HUB)4
LN603-337	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)3 x 3 x 1-1/2"
LN603-338	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)3 x 3 x 2"
LN603-422	45 deg. REDUCING STREET WYE(SPG×HUB×HUB) 4 x 4 x 3"
LN611-015	45 deg. DOUBLE WYE(ALL HUB)1-1/2"
LN611-020	45 deg. DOUBLE WYE(ALL HUB)2"
LN611-030L	45 deg. DOUBLE WYE(ALL HUB)3"
LN611-030	45 deg. DOUBLE WYE(ALL HUB)3"
LN611-040	45 deg. DOUBLE WYE(ALL HUB)4"
LN612-251	45 deg. REDUCING DOUBLE WYE(ALL HUB)2 x 2 x 1-1/2 x 1-1/2"
LN612-337	45 deg. REDUCING DOUBLE WYE(ALL HUB)3 x 3 x 1-1/2 x 1-1/2"
LN612-338	45 deg. REDUCING DOUBLE WYE(ALL HUB)3×3×2×2"
LN612-420	45 deg. REDUCING DOUBLE WYE(ALL HUB)4 x 4 x 2 x 2"
LN612-422	45 deg. REDUCING DOUBLE WYE(ALL HUB)4 x 4 x 3 x 3"
LN612-532	45 deg. REDUCING DOUBLE WYE(ALL HUB)6 x 6 x 4 x 4"
LN604-015	CLEANOUT WYE (HUB×HUB×FIPT)1-1/2"
LN700-015	RETURN BEND(HUB×HUB) 1-1/2"
LN700-020	RETURN BEND(HUB×HUB) 2"
LN700-030	RETURN BEND(HUB×HUB) 3"
LN700-040	RETURN BEND(HUB×HUB) 4"
LN701-015	RETURN BEND(HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
LN701-020	RETURN BEND(HUB×HUB×CLEANOUT W/PLUG) 2"
LN706X-015	P-TRAP(HUB×HUB)1-1/2"
LN706X-020	P-TRAP(HUB×HUB)2"
LN706X-030	P-TRAP(HUB×HUB)3"
LN706X-040	P-TRAP(HUB×HUB)4"
LN707X-015	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG) 1-1/2" P-TRAP (HUBxHUBxCLEANOUT)
LN707X-020	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG)2" P-TRAP (HUBxHUBxCLEANOUT)
LN708P-012	P-TRAP W/UNION JOINT(HUB×HUB)1-1/4"

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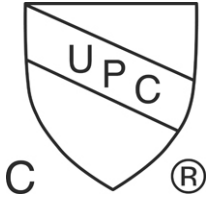
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Model Number	Description
LN708P-015	P-TRAP W/UNION JOINT(HUB×HUB)1-1/2"
LN708P-020	P-TRAP W/UNION JOINT(HUB×HUB)2"
LN711M-015	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ)1-1/2"
LN711M-212	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ) 1-1/2 x 1-1/4"
LN712-015	P-TRAP W/UNION &C/O(HUB×HUB×C/O)1-1/2"
LN800-040	CLOSET FLANGE (HUB) 4×4"
LN800-422L	CLOSET FLANGE (HUB) 4×3"
LN800-422	CLOSET FLANGE (HUB) 4×3"
LN800T-040	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB)4 x 4"
LN800T-422L	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
LN800T-422	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
LN801-422	REDUCING CLOSET FLANGE (SPG) 4 x 3"
LN810P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(HUB)4 x 4"
LN811-422	4"x3" Closet Flange W/Adjustable Metal Ring (Epoxy Coated) (H)
LN811-040	4"x4" Closet Flange W/Adjustable Metal Ring (Epoxy Coated) (H)
LN812P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 4"
LN812P-422	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 3"
LN815-040	FLUSH CLOSET FLANGE (INSIDE 4",OUTSIDE 3") 4 x 4 / 4 x 3
LN815K-040	CLOSET FLANGE W/KONCKOUT & PIPE STOP(HUB) 4 x 4 / 4 x 3
LN815PS-040	CLOSET FLANGE W/ PIPE STOP(HUB)4 x 4/4 x 3
LNH119-015	EXPANSION JOINT(HUB×HUB)1-1/2"
LNH119-020	EXPANSION JOINT(HUB×HUB)2"
LNH119-030	EXPANSION JOINT(HUB×HUB)3"
LNH119-040	EXPANSION JOINT(HUB×HUB)4"
LNH119S-030	EXPANSION JOINT(HUB×SPG)3"
LN830-422	CLOSET FLANGE(FIPT)4 x 3
LN831-422	CLOSET FLANGE(MIPT)4 x 3"
LN702X-363	DRUM TRAP W/CLEANOUT3 x 6 x 1 1/2
LN900-015	TRAY PLUG ADAPTER1 ½

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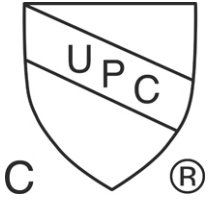
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Model Number	Description
LN103-020	TRAP ADAPTER(SPGXSJ)2"
LN126-030	UNION(HUB×HUB)3"
LN126-040	UNION(HUB×HUB)4"
LN330X-422	90 deg. REDUCING CLOSET STREET ELBOW W/ TEST CAP(HUB×SPG)4 x 3"
LN330-422	90 deg. REDUCING CLOSET STREET ELBOW (HUB×SPG)4x3"
LN445-015	TEST TEE(HUBxHUBxFIPT)1 -1/2"
LN445-015L	TEST TEE(HUBxHUBxFIPT)1 -1/2"
LN445-020	TEST TEE(HUBxHUBxFIPT)2"
LN445-020L	TEST TEE(HUBxHUBxFIPT)2"
LN445-030	TEST TEE(HUBxHUBxFIPT)3"
LN445-030L	TEST TEE(HUBxHUBxFIPT)3"
LN445-040	TEST TEE(HUBxHUBxFIPT)4"
LN445-040L	TEST TEE(HUBxHUBxFIPT)4"
LN445-427	TEST TEE(HUBxHUBxFIPT)4×3×4"
LN603-251	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)2x2x1-1/2"
LN603-420	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)4 x 4 x 2"
LN800R-040	CLOSET FLANGE W/RING-PULL TEST PLUG(HUB 4x4"
LN800R-422L	CLOSET FLANGE W/RING-PULL TEST PLUG(HUB)4 x 3"
LN800R-422	CLOSET FLANGE W/ RING-PULL TEST PLUG(HUB)4 x 3"
LN800T-040C	CLOSET FLANGE W/THREADED TEST PLUG(HUB)4 x 4"
LN800T-422CL	CLOSET FLANGE W/THREADED TEST PLUG(HUB)4 x 3"
LN800T-422C	ABS CLOSET FLANGE W/THREADED TEST PLUG(HUB4x3"
RLN100-012	COUPLING(HUB×HUB) 1-1/4"
RLN100-015	COUPLING(HUB×HUB) 1-1/2"
RLN100-020	COUPLING(HUB×HUB) 2"
RLN100-030	COUPLING(HUB×HUB) 3"
RLN100-040	COUPLING(HUB×HUB) 4"
RLN100-060	COUPLING(HUB×HUB) 6"
RLN101-012	FEMALE ADAPTER(HUB×FIPT) 1-1/4"

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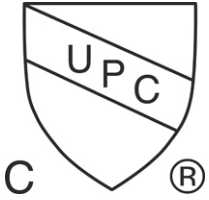
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Model Number	Description
RLN101-015	FEMALE ADAPTER(HUB×FIPT) 1-1/2"
RLN101-020	FEMALE ADAPTER(HUB×FIPT) 2"
RLN101-030	FEMALE ADAPTER(HUB×FIPT) 3"
RLN101-040	FEMALE ADAPTER(HUB×FIPT) 4"
RLN101-060	FEMALE ADAPTER(HUB×FIPT) 6"
RLN102-212	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)1-1/2×1-1/4"
RLN102-251	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB) 2×1-1/2"
RLN102-337	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)3×1-1/2"
RLN102-338	PIPE INCREASER-REDUCER(HUBxHUB)REDUCING COUPLING (HUBxHUB) 3×2" REDUCING COUPLING (HUBxHUB)
RLN102-419	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)4×1-1/2"
RLN102-420L	PIPE INCREASER-REDUCER (HUBxHUB)4×2"
RLN102-420	REDUCING COUPLING (HUBxHUB)
RLN102-422L	PIPE INCREASER-REDUCER (HUBxHUB)4×3"
RLN102-422	REDUCING COUPLING (HUBxHUB)
RLN103-012	TRAP ADAPTER(SPGxSJ) 1-1/4"
RLN103-015	TRAP ADAPTER(SPGxSJ) 1-1/2"
RLN103-212	TRAP ADAPTER(SPGxSJ) 1-1/2" X 1-1/4"
RLN103W-015	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ) 1-1/2"
RLN103W-020	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)2"
RLN103W-212	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
RLN103P-012	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ) 1-1/4"
RLN103P-015	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ)-1/2"
RLN103P-212	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) 1-1/2×1-1/4" TRAP ADAPTER (SPG×SJ)
RLN103X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/4"
RLN103X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2"
RLN103X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)2"
RLN103X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
RLN104-012	TRAP ADAPTER (HUB x SJ) 1-1/4"
RLN104-015	TRAP ADAPTER (HUB x SJ) 1-1/2"

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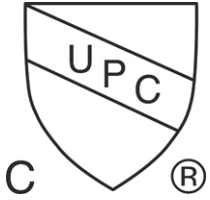
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Model Number	Description
RLN104-020	TRAP ADAPTER (HUB x SJ) 2"
RLN104-212	TRAP ADAPTER (HUB x SJ) 1-1/2" X 1-1/4"
RLN104W-020	TRAP ADAPTER W/CHROME NUT & WASHER (HUBxSJ)2"
RLN104W-212	TRAP ADAPTER W/CHROME NUT & WASHER (HUBxSJ)1-1/2x1-1/4"
RLN104P-012	TRAP ADAPTER W/PLASTIC NUT(HUBxSJ) 1-1/4" TRAP ADAPTER (HUBxSJ)
RLN104P-015	TRAP ADAPTER W/PLASTIC NUT(HUBxSJ) 1-1/2" TRAP ADAPTER (HUBxSJ)
RLN104P-212	TRAP ADAPTER W/PLASTIC NUT(HUBxSJ) TRAP ADAPTER (HUBxSJ)1-1/2x1-1/4"
RLN104X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUBxSJ)1-1/4"
RLN104X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUBxSJ)1-1/2"
RLN104X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUBxSJ)2"
RLN104X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUBxSJ)1-1/2x1-1/4"
RLN105-012	CLEANOUT ADAPTER (SPGxFIPT)1-1/4"
RLN105-015	CLEANOUT ADAPTER (SPGxFIPT)1-1/2" FEMALE ADAPTER (SPGxFIPT)
RLN105-020	CLEANOUT ADAPTER (SPGxFIPT)2" FEMALE ADAPTER (SPGxFIPT)
RLN105-030	CLEANOUT ADAPTER (SPGxFIPT)3" FEMALE ADAPTER (SPGxFIPT)
RLN105-040	CLEANOUT ADAPTER (SPGxFIPT)4" FEMALE ADAPTER (SPGxFIPT)
RLN105-060	CLEANOUT ADAPTER (SPGxFIPT)6"
RLN105X-012	CLEANOUT ADAPTER W/PLUG (SPGxCLEANOUT W/PLUG)1-1/4"
RLN105X-015	CLEANOUT ADAPTER W/PLUG (SPGxCLEANOUT W/PLUG)1-1/2" CLEANOUT ADAPTER (SPGxCLEANOUT)
RLN105X-020	CLEANOUT ADAPTER W/PLUG(SPGxCLEANOUT W/PLUG)2"CLEANOUT ADAPTER (SPGxCLEANOUT)
RLN105X-030	CLEANOUT ADAPTER W/PLUG(SPGxCLEANOUT W/PLUG)3"CLEANOUT ADAPTER (SPGxCLEANOUT)
RLN105X-040	CLEANOUT ADAPTER W/PLUG(SPGxCLEANOUT W/PLUG)4"CLEANOUT ADAPTER (SPGxCLEANOUT)
RLN105X-060	CLEANOUT ADAPTER W/PLUG(SPGxCLEANOUT W/PLUG)6"
RLN106-015	CLEANOUT PLUG(MIPT) 1-1/2"
RLN106-020	CLEANOUT PLUG(MIPT) 2"
RLN106-025	CLEANOUT PLUG(MIPT) 2-1/2"
RLN106-030	CLEANOUT PLUG(MIPT) 3"
RLN106-035	CLEANOUT PLUG(MIPT) 3-1/2"
RLN106-040	CLEANOUT PLUG(MIPT) 4"

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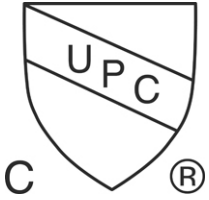
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Model Number	Description
RLN106R-012	PLUG WITH GASKET(MIPT)1-1/4"
RLN106R-015	PLUG WITH GASKET(MIPT)1-1/2"
RLN106R-020	PLUG WITH GASKET(MIPT)2"
RLN106R-025	PLUG WITH GASKET(MIPT)2-1/2"
RLN106R-030	PLUG WITH GASKET(MIPT)3"
RLN106R-035	PLUG WITH GASKET(MIPT)2-1/2"
RLN106R-040	PLUG WITH GASKET(MIPT)4"
RLN106R-060	PLUG WITH GASKET(MIPT)6"
RLN107-212	FLUSH BUSHING(SPG×HUB)1-1/2×1-1/4"
RLN107-251	FLUSH BUSHING(SPG×HUB)2×1-1/2"
RLN107-337	FLUSH BUSHING(SPG×HUB)3×1-1/2"
RLN107-338	FLUSH BUSHING(SPG×HUB)3×2"
RLN107-419	FLUSH BUSHING(SPG×HUB)4×1-1/2"
RLN107-420	FLUSH BUSHING(SPG×HUB)4×2"
RLN107-422	FLUSH BUSHING(SPG×HUB)4×3"
RLN107-532	FLUSH BUSHING(SPG×HUB)6×4"
RLN108-209	FLUSH ADAPTER (SPG×FIPT)1-1/2×1/2"
RLN108-210	FLUSH ADAPTER (SPG×FIPT)1-1/2×3/4"
RLN108-212	FLUSH ADAPTER (SPG×FIPT)1-1/2 x 1-1/4"
RLN108-251	FLUSH ADAPTER (SPG×FIPT)2 x 1-1/2"
RLN108-337	FLUSH ADAPTER (SPG×FIPT)3×1-1/2"
RLN108-338	FLUSH ADAPTER (SPG×FIPT)3x 2"
RLN108-422	FLUSH ADAPTER (SPG×FIPT)4x 3"
RLN109-012	MALE ADAPTER(HUB×MIPT) 1-1/4"
RLN109-015	MALE ADAPTER(HUB×MIPT) 1-1/2"
RLN109-020	MALE ADAPTER(HUB×MIPT) 2"
RLN109-030	MALE ADAPTER(HUB×MIPT) 3"
RLN109-040	MALE ADAPTER(HUB×MIPT) 4"
RLN109-212	MALE ADAPTER(HUB×MIPT) 1-1/2×1-1/4"

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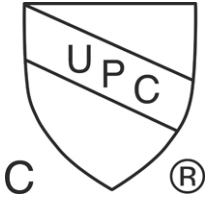
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Model Number	Description
RLN110S-015	SLIP PLUG (SPG) 1-1/2"
RLN110S-020	SLIP PLUG (SPG) 2"
RLN110S-025	SLIP PLUG 2-1/2"
RLN110S-030	SLIP PLUG (SPG) 3"
RLN110S-035	SLIP PLUG (SPG) 3-1/2"
RLN110S-040	SLIP PLUG (SPG) 4"
RLN111-012	MALE ADAPTER (SPG x MIPT) 1-1/4"
RLN111-015	MALE ADAPTER (SPG x MIPT) 1-1/2"
RLN111-020	MALE ADAPTER (SPG x MIPT) 2"
RLN111-030	MALE ADAPTER (SPG x MIPT) 3"
RLN111-040	MALE ADAPTER (SPG x MIPT) 4"
RLN111-212	MALE ADAPTER (SPG x MIPT) 1-1/2 x 1-1/4"
RLN116-012	CAP (HUB) 1-1/4"
RLN116-015	CAP (HUB) 1-1/2"
RLN116-020	CAP (HUB) 2"
RLN116-030	CAP (HUB) 3"
RLN116-040	CAP (HUB) 4"
RLN116-060	CAP (HUB) 6"
RLN117-342	SEWER & DRAIN ADAPTER (HUB x HUB) 3 x 4"
RLN117-422	SEWER & DRAIN ADAPTER (HUB x HUB) 4 x 3" SEWER DRAIN ADAPTER (HUB x HUB)
RLN119-020	NO-HUB ADAPTER (SPG x HUB) 2"
RLN119-030	NO-HUB ADAPTER (SPG x HUB) 3"
RLN119-040	NO-HUB ADAPTER (SPG x HUB) 4"
RLN119-251	NO-HUB ADAPTER (SPG x HUB) 2 x 1-1/2"
RLN119-422	NO-HUB ADAPTER (SPG x HUB) 4 x 3"
RLN120-015	ABS-COPPER ADAPTER (HUB x SJ) 1-1/2"
RLN120-212	ABS-COPPER ADAPTER (HUB x SJ) 1-1/2 x 1-1/4"
RLN123-020	HUB ADAPTER CAST IRON (HUB x SJ) 2"
RLN123-030	HUB ADAPTER CAST IRON (HUB x SJ) 3"

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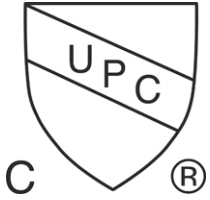
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Model Number	Description
RLN123-040	HUB ADAPTER CAST IRON (HUB×SJ)4"
RLN123R-213	HUB ADAPTER CAST IRON INCREASER(HUB×SJ) 1-1/2 x 2"
RLN123R-342	HUB ADAPTER CAST IRON INCREASER(HUB×SJ) 3 x 4"
RLN126-015	UNION(HUB×HUB)1-1/2"
RLN126-020	UNION(HUB×HUB)2"
RLN130-015	REPAIR COUPLING(HUB×HUB)1-1/2"
RLN130-020	REPAIR COUPLING(HUB×HUB)2"
RLN130-030	REPAIR COUPLING(HUB×HUB)3"
RLN130-040	REPAIR COUPLING(HUB×HUB)4"
RLN130X-015	TRAY PLUG ADAPTER - SPIGOT 1-1/2"
RLN135-015	THREADED CAP (FIPT) 1-1/2"
RLN135-020	THREADED CAP (FIPT) 2"
RLN135-030	THREADED CAP (FIPT) 3
RLN300-012	90 deg.ELBOW (HUB×HUB) 1-1/4" 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-015	90 deg.ELBOW (HUB×HUB) 1-1/2" 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-020	90 deg.ELBOW (HUB×HUB) 2" 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-030	90 deg.ELBOW (HUB×HUB) 3" 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-040	90 deg.ELBOW (HUB×HUB) 4" 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-060	90 deg.ELBOW (HUB×HUB) 6 90 deg.ELBOW LONG-TURN (HUB×HUB)
RLN300-012S	90 deg.ELBOW-SHORT TURN (HUB×HUB)1-1/4"
RLN300-015S	90 deg.ELBOW-SHORT TURN (HUB×HUB)1-1/2" 90 deg.ELBOW (HUB×HUB)
RLN300-020S	90 deg.ELBOW-SHORT TURN (HUB×HUB)2" 90 deg.ELBOW (HUB×HUB)
RLN300-030S	90 deg.ELBOW-SHORT TURN (HUB×HUB)3" 90 deg.ELBOW (HUB×HUB)
RLN300-040S	90 deg.ELBOW-SHORT TURN (HUB×HUB)4" 90 deg.ELBOW (HUB×HUB)
RLN300-060S	90 deg.ELBOW-SHORT TURN (HUB×HUB)6"
*RLN300S-337	90 deg.ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
*RLN300S-338	90 deg.ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 2"
RLN302-012	90 deg.STREET ELBOW (HUB×SPG)1-1/4" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/4"
RLN302-015	90 deg. STREET ELBOW (HUB×SPG)1-1/2" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



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INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

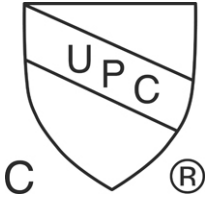
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Model Number	Description
RLN302-020	90 deg. STREET ELBOW (HUB×SPG)2" 90 deg. STREET ELBOW LONG-TURN(HUB×SPG)2"
RLN302-030	90 deg. STREET ELBOW (HUB×SPG)3" 90 deg. STREET ELBOW LONG-TURN(HUB×SPG)3"
RLN302-040	90 deg. STREET ELBOW (HUB×SPG)4" 90 deg. STREET ELBOW LONG-TURN(HUB×SPG)4"
RLN302-060	90 deg. STREET ELBOW (HUB×SPG)6"
RLN302-015S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)1-1/2" 90 deg. STREET ELBOW (HUB×SPG)1-1/2"
RLN302-020S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)2" 90 deg. STREET ELBOW(HUB×SPG)2"
RLN302-030S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)3" 90 deg. STREET ELBOW(HUB×SPG)3"
RLN302-040S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)4" 90 deg. STREET ELBOW(HUB×SPG)4"
RLN303-337	90 ELBOW W/ LOW HEEL INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
RLN303-338	90 deg. ELBOW W/ LOW HEEL INLET(HUB×HUB×HUB) 3 x 3 x 2"
RLN303-420	90 deg. ELBOW W/ LOW HEEL INLET(HUB×HUB×HUB) 4 x 4 x 2"
RLN304-012	90 deg. LONG SWEEP ELBOW (HUB×HUB)1-1/4"
RLN304-015	90 deg. LONG SWEEP ELBOW (HUB×HUB)1-1/2"
RLN304-020	90 deg. LONG SWEEP ELBOW (HUB×HUB)2"
RLN304-030	90 deg. LONG SWEEP ELBOW (HUB×HUB)3"
RLN304-040	90 deg. LONG SWEEP ELBOW (HUB×HUB)4"
RLN310-338	90 deg. STREET ELBOW W/ LOW HEEL INLET (HUB×SPG×HUB) 3 x 3 x 2"
RLN319-015	60 deg. ELBOW(HUB×HUB)1-1/2"
RLN319-020	60 deg. ELBOW(HUB×HUB)2"
RLN319-030	60 deg. ELBOW(HUB×HUB)3"
RLN319-040	60 deg. ELBOW(HUB×HUB)4"
RLN320-015	60 deg. STREET ELBOW (HUB×SPG)1-1/2"
RLN320-020	60 deg. STREET ELBOW (HUB×SPG)2"
RLN320-030	60 deg. STREET ELBOW (HUB×SPG)3"
RLN320-040	60 deg. STREET ELBOW (HUB×SPG)4"
RLN321-012	45 deg. ELBOW (HUB×HUB)1-1/4" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/4"
RLN321-015	45 deg. ELBOW (HUB×HUB)1-1/2" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/2"
RLN321-020L	45 deg. ELBOW (HUB×HUB)2"
RLN321-030L	45 deg. ELBOW (HUB×HUB)3"

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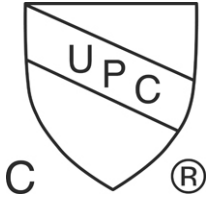
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Model Number	Description
RLN321-040	45 deg. ELBOW (HUB×HUB)4" 45 deg. ELBOW LONG-TURN HUBxHUB)4"
RLN321-060	45 deg. ELBOW (HUB×HUB)6" 45 deg. ELBOW LONG-TURN HUBxHUB)6"
RLN321-015S	45 deg. ELBOW-SHORT TURN (HUB×HUB)1-1/2" 45 deg. ELBOW (HUB×HUB)1-1/2"
RLN321-020S	45 deg. ELBOW-SHORT TURN (HUB×HUB)2" 45 deg. ELBOW (HUB×HUB)2"
RLN321-030S	45 deg. ELBOW-SHORT TURN (HUB×HUB)3" 45 deg. ELBOW (HUB×HUB)3"
RLN321-040S	45 deg. ELBOW-SHORT TURN (HUB×HUB)4" 45 deg. ELBOW (HUB×HUB)4"
RLN323-012	45 deg. STREET ELBOW (HUB×SPG)1-1/4" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/4"
RLN323-015	45 deg. STREET ELBOW (HUB×SPG)1-1/2" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/2"
RLN323-020L	45 deg. STREET ELBOW (HUB×SPG)2"
RLN323-030L	45 deg. STREET ELBOW (HUB×SPG)3"
RLN323-040	45 deg. STREET ELBOW (HUB×SPG)4" 45 deg. STREET ELBOW LONG-TURN HUBxSPG)
RLN323-060	45 deg. STREET ELBOW (HUB×SPG)6"
RLN323-015S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 1-1/2" 45 deg. STREET ELBOW (HUB×SPG)
RLN323-020S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 2" 45 deg. STREET ELBOW (HUB×SPG)
RLN323-030S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 3" 45 deg. STREET ELBOW (HUB×SPG)
RLN323-040S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 4" 45 deg. STREET ELBOW(HUB×SPG)
RLN324-015	22½ deg. ELBOW(HUB×HUB)1-1/2"
RLN324-020	22½ deg. ELBOW(HUB×HUB)2"
RLN324-030	22½ deg. ELBOW(HUB×HUB)3"
RLN324-040	22½ deg. ELBOW(HUB×HUB)4"
RLN324-060	22½ deg. ELBOW(HUB×HUB)6"
RLN326-015	22½ deg. STREET ELBOW(HUB×SPG)1-1/2"
RLN326-020	22½ deg. STREET ELBOW(HUB×SPG)2"
RLN326-030	22½ deg. STREET ELBOW(HUB×SPG)3"
RLN326-040	22½ deg. STREET ELBOW(HUB×SPG)4"
RLN327-015	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)1-1/2"
RLN327-020	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2"
RLN327-030	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)3"
RLN327-040	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)4"

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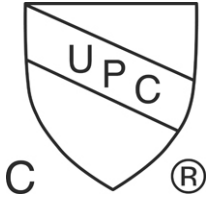
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Model Number	Description
RLN327-241	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
RLN329-422	90 deg. REDUCING CLOSET ELBOW(HUB×HUB) 4×3 " 90 deg. CLOSET ELBOW (HUB×HUB)4×3"
RLN330X-342	90 deg. REDUCING CLOSET STREET ELBOW W/TEST CAP (HUB×SPG)3 x 4"
RLN330-342	90 deg. REDUCING CLOSET STREET ELBOW (HUB×SPG)3 x 4"
RLN331-012	90 deg. VENT ELBOW(HUB×HUB)1-1/4"
RLN331-015	90 deg. VENT ELBOW(HUB×HUB)1-1/2"
RLN331-020	90 deg. VENT ELBOW(HUB×HUB)2"
RLN331-030	90 deg. VENT ELBOW(HUB×HUB)3"
RLN331-040	90 deg. VENT ELBOW(HUB×HUB)4"
RLN400-012L	SANITARY TEE(HUB×HUB×HUB)1-1/4"
RLN400-012	SANITARY TEE(HUB×HUB×HUB)1-1/4"
RLN400-015L	SANITARY TEE(HUB×HUB×HUB)1-1/2"
RLN400-015	SANITARY TEE(HUB×HUB×HUB)1-1/2"
RLN400-020L	SANITARY TEE(HUB×HUB×HUB)2"
RLN400-020	SANITARY TEE(HUB×HUB×HUB)2"
RLN400-030	SANITARY TEE(HUB×HUB×HUB)3"
RLN400-040L	SANITARY TEE(HUB×HUB×HUB)4"
RLN400-040	SANITARY TEE(HUB×HUB×HUB)4"
RLN400-060	SANITARY TEE(HUB×HUB×HUB)6"
RLN401-222	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/4"
RLN401-212	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/2 x 1-1/4"
RLN401-225	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/2"
RLN401-241L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
RLN401-241	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
RLN401-251L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
RLN401-251	SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
RLN401-257L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
RLN401-257	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
RLN401-337	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×1-1/2" SANITARY TEE(HUB×HUB×HUB)3×3×1-1/2"

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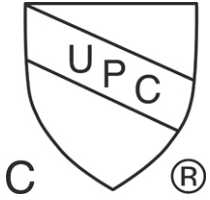
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Model Number	Description
RLN401-338L	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×2"
RLN401-338	SANITARY TEE(HUB×HUB×HUB) 3×3×2"
RLN401-419	REDUCING SANITARY TEE(HUB×HUB×HUB) 4 x 4 x 1-1/2"
RLN401-420	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×2" SANITARY TEE(HUB×HUB×HUB) 4×4×2"
RLN401-422	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×3" SANITARY TEE(HUB×HUB×HUB) 4×4×3"
RLN401-532	REDUCING SANITARY TEE(HUB×HUB×HUB) 6 x 6 x 4"
RLN403-015	STREET SANITARY TEE(SPG×HUB×HUB) 1-1/2"
RLN403-020	STREET SANITARY TEE(SPG×HUB×HUB) 2"
RLN403-030	STREET SANITARY TEE(SPG×HUB×HUB) 3"
RLN403-040	STREET SANITARY TEE(SPG×HUB×HUB) 4"
RLN404-241	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×1-1/2"
RLN404-251	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×2×1-1/2"
RLN404-257	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×2"
RLN404-337	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3×3×1-1/2" STREET SANITARY TEE (SPG×HUB×HUB) 3×3×1-1/2"
*RLN404-338	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3 x 3 x 2"
*RLN416-337	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*RLN416-338	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 3 x 2"
*RLN416-329	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"
*RLN416-420	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*RLN417-337	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*RLN417-338	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 2"
*RLN417-329	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"
*RLN417-420	SANITARY TEE W /RIGHT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*RLN418-337	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2 x 1-1/2"
*RLN418-338	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 3 x 3 x 3 x 2 x 2"
*RLN418-420	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 4"×4"×4"×2"×2"
RLN428-015	DOUBLE SANITARY TEE(ALL HUB)1-1/2"
RLN428-020	DOUBLE SANITARY TEE(ALL HUB)2"
RLN428-030	DOUBLE SANITARY TEE(ALL HUB)3"

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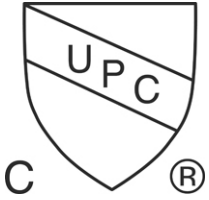
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Model Number	Description
RLN428-040	DOUBLE SANITARY TEE(ALL HUB)4"
RLN429-251	REDUCING DOUBLE SANITARY TEE(ALL HUB) 2×2×1-1/2×1-1/2"DOUBLE SANITARY TEE (ALL HUB)2×2×1-1/2×1-1/2"
RLN429-337	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3×3×1-1/2×1-1/2" DOUBLE SANITARY TEE (ALL HUB)3×3×1-1/2×1-1/2"
RLN429-338	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 2"
RLN429-420	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 2 x 2"
RLN429-422	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 3 x 3"
RLN429-323	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 1-1/2"
*RLN438-337	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x1-1/ 2"
*RLN438-338	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 2"
*RLN438-420	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)4 x 4 x 4 x 4 x 2"
*RLN439-338	DOUBLE SANITARY TEE W / R & L SIDE INLET(ALL HUB3 x 3 x 3 x 3 x 2 x 2"
RLN441-015	VENT TEE(HUB×HUB×HUB)1-1/2"
RLN441-020	VENT TEE(HUB×HUB×HUB)2"
RLN441-030	VENT TEE(HUB×HUB×HUB)3"
RLN441-040	VENT TEE(HUB×HUB×HUB)4"
RLN441-337	VENT TEE(HUB×HUB×HUB)3"×3"×1-1/2"
RLN441-338	VENT TEE(HUB×HUB×HUB)3"×3"×2"
RLN444X-427	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 4×3×4" TEST TEE (HUBxHUBxCLEANOUT)4×3×4"
RLN444X-015L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
RLN444X-015	TEST TEE (HUBxHUBxCLEANOUT)1-1/2"
RLN444X-020L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 2"
RLN444X-020	TEST TEE (HUBxHUBxCLEANOUT)2"
RLN444X-030L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 3"
RLN444X-030	TEST TEE (HUBxHUBxCLEANOUT)3"
RLN444X-040L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 4"
RLN444X-040	TEST TEE (HUBxHUBxCLEANOUT)4"
RLN448-030	TWO-WAY CLEANOUT(HUB×HUB×HUB)3"
RLN448-040	TWO-WAY CLEANOUT(HUB×HUB×HUB)4"
RLN500-020	DOUBLE FIXTURE FITTING(ALL HUB)2"

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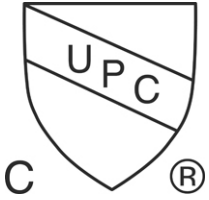
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Model Number	Description
RLN500-030	DOUBLE FIXTURE FITTING(ALL HUB)3"
RLN500-241	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 1-1/2 x 1-1/2"
RLN500-257	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 2 x 2"
RLN500-338	DOUBLE FIXTURE FITTING(ALL HUB)3 x 2 x 3 x 3"
RLN501-015	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 1-1/2"
RLN501-020	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 2"
RLN501-030	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 3"
RLN501-040	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 4"
RLN502-241	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
RLN502-251	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 2 x 1-1/2"
RLN502-257	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 2"
RLN502-337	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 1-1/2"
RLN502-338	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 2"
RLN502-420	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 2"
RLN502-422	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 3"
RLN503-020	COMBINATION WYE & 1/8 BEND (TWO PC)(HUB×HUB×HUB) 2"
RLN600-012	45 deg. WYE (HUB×HUB×HUB) 1-1/4"
RLN600-015L	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
RLN600-015	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
RLN600-020L	45 deg. WYE(HUB×HUB×HUB) 2"
RLN600-020	45 deg.WYE(HUB×HUB×HUB) 2"
RLN600-030L	45 deg. WYE(HUB×HUB×HUB) 3"
RLN600-030	45 deg. WYE(HUB×HUB×HUB) 3"
RLN600-040L	45 deg. WYE(HUB×HUB×HUB) 4"
RLN600-040	45 deg. WYE(HUB×HUB×HUB) 4"
RLN600-060	45 deg. WYE(HUB×HUB×HUB) 6"
RLN601-241	45 deg. REDUCING WYE (HUB×HUB×HUB)2×1-1/2×1-1/2" 45 deg. WYE(HUB×HUB×HUB)
RLN601-251L	45 deg. REDUCING WYE(HUB×HUB×HUB) 2×2×1-1/2"
RLN601-251	45 deg. WYE (HUB×HUB×HUB) 2×2×1-1/2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



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INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

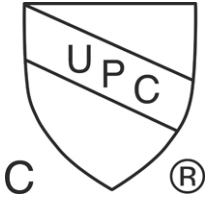
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Model Number	Description
RLN601-337L	45 deg. REDUCING WYE(HUB×HUB×HUB) 3×3×1-1/2"
RLN601-337	45 deg. WYE (HUB×HUB×HUB) 3×3×1-1/2"
RLN601-338L	45 deg. REDUCING WYE(HUB×HUB×HUB)3×3×2"
RLN601-338	45 deg. WYE (HUB×HUB×HUB) 3×3×2"
RLN601-419	45 deg. REDUCING WYE (HUB×HUB×HUB) 4 x 4 x 1-1/2"
RLN601-420L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×2"
RLN601-420	45 deg. WYE (HUB×HUB×HUB) 4×4×2"
RLN601-422L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×3"
RLN601-422	45 deg. WYE (HUB×HUB×HUB) 4×4×3"
RLN601-530	45 deg. REDUCING WYE (HUB×HUB×HUB) 6 x 6 x 3"
RLN601-532	45 deg. REDUCING WYE (HUB×HUB×HUB) 6×6×4" 45 deg. WYE (HUB×HUB×HUB)
RLN601-209	
RLN601-210	
RLN610-015	
RLN602-015	45 deg. STREET WYE (SPG×HUB×HUB)1 1/2"
RLN602-020	45 deg. STREET WYE (SPG×HUB×HUB)2"
RLN602-030	45 deg. STREET WYE(SPG×HUB×HUB)3"
RLN602-040	45 deg. STREET WYE (SPG×HUB×HUB)4
RLN603-337	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)3 x 3 x 1-1/2"
RLN603-338	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)3 x 3 x 2"
RLN603-422	45 deg. REDUCING STREET WYE(SPG×HUB×HUB) 4 x 4 x 3"
RLN611-015	45 deg. DOUBLE WYE(ALL HUB)1-1/2"
RLN611-020	45 deg. DOUBLE WYE(ALL HUB)2
RLN611-030L	45 deg. DOUBLE WYE(ALL HUB)3"
RLN611-030	45 deg. DOUBLE WYE(ALL HUB)3"
RLN611-040	45 deg. DOUBLE WYE(ALL HUB)4
RLN612-251	45 deg. REDUCING DOUBLE WYE(ALL HUB)2 x 2 x 1-1/2 x 1-1/2"
RLN612-337	45 deg. REDUCING DOUBLE WYE(ALL HUB)3 x 3 x 1-1/2 x 1-1/2"
RLN612-338	45 deg. REDUCING DOUBLE WYE(ALL HUB)3×3×2×2"

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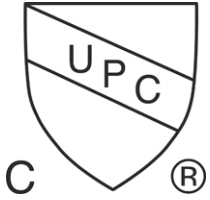
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Model Number	Description
RLN612-420	45 deg. REDUCING DOUBLE WYE(ALL HUB)4 x 4 x 2 x 2"
RLN612-422	45 deg. REDUCING DOUBLE WYE(ALL HUB)4 x 4 x 3 x 3"
RLN612-532	45 deg. REDUCING DOUBLE WYE(ALL HUB)6 x 6 x 4 x 4"
RLN604-015	CLEANOUT WYE (HUB×HUB×FIPT)1-1/2"
RLN700-015	RETURN BEND(HUB×HUB) 1-1/2"
RLN700-020	RETURN BEND(HUB×HUB) 2"
RLN700-030	RETURN BEND(HUB×HUB) 3"
RLN700-040	RETURN BEND(HUB×HUB) 4"
RLN701-015	RETURN BEND(HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
RLN701-020	RETURN BEND(HUB×HUB×CLEANOUT W/PLUG) 2"
RLN706X-015	P-TRAP(HUB×HUB)1-1/2"
RLN706X-020	P-TRAP(HUB×HUB)2"
RLN706X-030	P-TRAP(HUB×HUB)3"
RLN706X-040	P-TRAP(HUB×HUB)4"
RLN707X-015	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG) 1-1/2" P-TRAP (HUBxHUBxCLEANOUT)
RLN707X-020	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG)2" P-TRAP (HUBxHUBxCLEANOUT)
RLN708P-012	P-TRAP W/UNION JOINT(HUB×HUB)1-1/4"
RLN708P-015	P-TRAP W/UNION JOINT(HUB×HUB)1-1/2"
RLN708P-020	P-TRAP W/UNION JOINT(HUB×HUB)2"
RLN711M-015	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ)1-1/2"
RLN711M-212	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ) 1-1/2 x 1-1/4"
RLN712-015	P-TRAP W/UNION &C/O(HUB×HUB×C/O)1-1/2"
RLN800-040	CLOSET FLANGE (HUB) 4×4"
RLN800-422L	CLOSET FLANGE (HUB) 4×3"
RLN800-422	CLOSET FLANGE (HUB) 4×3"
RLN800T-040	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB)4 x 4"
RLN800T-422L	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
RLN800T-422	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
RLN801-422	REDUCING CLOSET FLANGE (SPG) 4 x 3"

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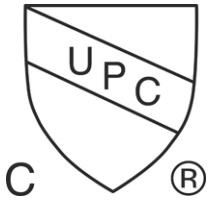
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Model Number	Description
RLN810P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(HUB)4 x 4"
RLN812P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 4"
RLN812P-422	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 3"
RLN815-040	FLUSH CLOSET FLANGE (INSIDE 4",OUTSIDE 3") 4 x 4 / 4 x 3
RLN815K-040	CLOSET FLANGE W/KONCKOUT & PIPE STOP(HUB) 4 x 4 / 4 x 3
RLN815PS-040	CLOSET FLANGE W/ PIPE STOP(HUB)4 x 4/4 x 3
RLNH119-015	EXPANSION JOINT(HUB×HUB)1-1/2"
RLNH119-020	EXPANSION JOINT(HUB×HUB)2"
RLNH119-030	EXPANSION JOINT(HUB×HUB)3"
RLNH119-040	EXPANSION JOINT(HUB×HUB)4"
RLNH119S-030	EXPANSION JOINT(HUB×SPG)3"
RLN830-422	CLOSET FLANGE(FIPT)4 x 3
RLN831-422	CLOSET FLANGE(MIPT)4 x 3"
RLN702X-363	DRUM TRAP W/CLEANOUT3 x 6 x 1 1/2
RLN900-015	TRAY PLUG ADAPTER1 ½
RLN103-020	TRAP ADAPTER(SPGXSJ)2"
RLN126-030	UNION(HUB×HUB)3"
RLN126-040	UNION(HUB×HUB)4"
RLN330X-422	90 deg. REDUCING CLOSET STREET ELBOW W/ TEST CAP(HUB×SPG)4 x 3"
RLN330-422	90 deg. REDUCING CLOSET STREET ELBOW (HUB×SPG)4x3"
RLN445-015	TEST TEE(HUBxHUBxFIPT)1 -1/2"
RLN445-015L	TEST TEE(HUBxHUBxFIPT)1 -1/2"
RLN445-020	TEST TEE(HUBxHUBxFIPT)2"
RLN445-020L	TEST TEE(HUBxHUBxFIPT)2"
RLN445-030	TEST TEE(HUBxHUBxFIPT)3"
RLN445-030L	TEST TEE(HUBxHUBxFIPT)3"
RLN445-040	TEST TEE(HUBxHUBxFIPT)4"
RLN445-040L	TEST TEE(HUBxHUBxFIPT)4"
RLN445-427	TEST TEE(HUBxHUBxFIPT)4×3×4"

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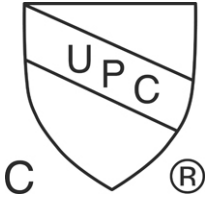
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Model Number	Description
RLN603-251	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)2x2x1-1/2"
RLN603-420	45 deg. REDUCING STREET WYE(SPG×HUB×HUB)4 x 4 x 2"
RLN800R-040	CLOSET FLANGE W/RING-PULL TEST PLUG(HUB 4x4"
RLN800R-422L	CLOSET FLANGE W/RING-PULL TEST PLUG(HUB)4 x 3"
RLN800R-422	CLOSET FLANGE W/ RING-PULL TEST PLUG(HUB)4 x 3"
RLN800T-040C	CLOSET FLANGE W/THREADED TEST PLUG(HUB)4 x 4"
RLN800T-422CL	CLOSET FLANGE W/THREADED TEST PLUG(HUB)4 x 3"
RLN800T-422C	ABS CLOSET FLANGE W/THREADED TEST PLUG(HUB4x3"
CPRLN100-012	COUPLING(HUB×HUB) 1-1/4"
CPRLN100-015	COUPLING(HUB×HUB) 1-1/2"
CPRLN100-020	COUPLING(HUB×HUB) 2"
CPRLN100-030	COUPLING(HUB×HUB) 3"
CPRLN100-040	COUPLING(HUB×HUB) 4"
CPRLN100-060	COUPLING(HUB×HUB) 6"
CPRLN101-012	FEMALE ADAPTER(HUB×FIPT) 1-1/4"
CPRLN101-015	FEMALE ADAPTER(HUB×FIPT) 1-1/2"
CPRLN101-020	FEMALE ADAPTER(HUB×FIPT) 2"
CPRLN101-030	FEMALE ADAPTER(HUB×FIPT) 3"
CPRLN101-040	FEMALE ADAPTER(HUB×FIPT) 4"
CPRLN101-060	FEMALE ADAPTER(HUB×FIPT) 6"
CPRLN102-212	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)1-1/2×1-1/4"
CPRLN102-251	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB) 2×1-1/2"
CPRLN102-337	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)3×1-1/2"
CPRLN102-338	PIPE INCREASER-REDUCER(HUBxHUB)REDUCING COUPLING (HUBxHUB) 3×2" REDUCING COUPLING (HUBxHUB)
CPRLN102-419	PIPE INCREASER-REDUCER (HUBxHUB)REDUCING COUPLING (HUBxHUB)4×1-1/2"
CPRLN102-420L	PIPE INCREASER-REDUCER (HUBxHUB)4×2"
CPRLN102-420	REDUCING COUPLING (HUBxHUB)
CPRLN102-422L	PIPE INCREASER-REDUCER (HUBxHUB)4×3"
CPRLN102-422	REDUCING COUPLING (HUBxHUB)

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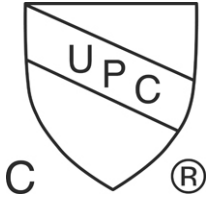
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Model Number	Description
CPRLN103-012	TRAP ADAPTER(SPGXSJ) 1-1/4"
CPRLN103-015	TRAP ADAPTER(SPGXSJ) 1-1/2"
CPRLN103-212	TRAP ADAPTER(SPGXSJ) 1-1/2" X 1-1/4"
CPRLN103W-015	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ) 1-1/2"
CPRLN103W-020	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)2"
CPRLN103W-212	TRAP ADAPTER W/CHROME NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
CPRLN103P-012	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ) 1-1/4"
CPRLN103P-015	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) TRAP ADAPTER (SPG×SJ)-1/2"
CPRLN103P-212	TRAP ADAPTER W/PLASTIC NUT(SPG×SJ) 1-1/2×1-1/4" TRAP ADAPTER (SPG×SJ)
CPRLN103X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/4"
CPRLN103X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2"
CPRLN103X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)2"
CPRLN103X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (SPG×SJ)1-1/2×1-1/4"
CPRLN104-012	TRAP ADAPTER (HUB x SJ) 1-1/4"
CPRLN104-015	TRAP ADAPTER (HUB x SJ) 1-1/2"
CPRLN104-020	TRAP ADAPTER (HUB x SJ) 2"
CPRLN104-212	TRAP ADAPTER (HUB x SJ) 1-1/2" X 1-1/4"
CPRLN104W-020	TRAP ADAPTER W/CHROME NUT & WASHER (HUB×SJ)2"
CPRLN104W-212	TRAP ADAPTER W/CHROME NUT & WASHER (HUB×SJ)1-1/2×1-1/4"
CPRLN104P-012	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) 1-1/4" TRAP ADAPTER (HUB×SJ)
CPRLN104P-015	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) 1-1/2" TRAP ADAPTER (HUB×SJ)
CPRLN104P-212	TRAP ADAPTER W/PLASTIC NUT(HUB×SJ) TRAP ADAPTER (HUB×SJ)1-1/2×1-1/4"
CPRLN104X-012	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/4"
CPRLN104X-015	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/2"
CPRLN104X-020	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)2"
CPRLN104X-212	TRAP ADAPTER W/ PLASTIC NUT & WASHER (HUB×SJ)1-1/2×1-1/4"
CPRLN105-012	CLEANOUT ADAPTER (SPG×FIPT)1-1/4"
CPRLN105-015	CLEANOUT ADAPTER (SPG×FIPT)1-1/2" FEMALE ADAPTER (SPG×FIPT)
CPRLN105-020	CLEANOUT ADAPTER (SPG×FIPT)2" FEMALE ADAPTER (SPG×FIPT)

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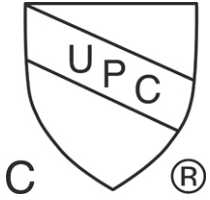
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Model Number	Description
CPRLN105-030	CLEANOUT ADAPTER (SPG×FIPT)3" FEMALE ADAPTER (SPG×FIPT)
CPRLN105-040	CLEANOUT ADAPTER (SPG×FIPT)4" FEMALE ADAPTER (SPG×FIPT)
CPRLN105-060	CLEANOUT ADAPTER (SPG×FIPT)6"
CPRLN105X-012	CLEANOUT ADAPTER W/PLUG (SPG×CLEANOUT W/PLUG)1-1/4"
CPRLN105X-015	CLEANOUT ADAPTER W/PLUG (SPG×CLEANOUT W/PLUG)1-1/2" CLEANOUT ADAPTER (SPG×CLEANOUT)
CPRLN105X-020	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)2"CLEANOUT ADAPTER (SPG×CLEANOUT)
CPRLN105X-030	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)3"CLEANOUT ADAPTER (SPG×CLEANOUT)
CPRLN105X-040	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)4"CLEANOUT ADAPTER (SPG×CLEANOUT)
CPRLN105X-060	CLEANOUT ADAPTER W/PLUG(SPG×CLEANOUT W/PLUG)6"
CPRLN106-015	CLEANOUT PLUG(MIPT) 1-1/2"
CPRLN106-020	CLEANOUT PLUG(MIPT) 2"
CPRLN106-025	CLEANOUT PLUG(MIPT) 2-1/2"
CPRLN106-030	CLEANOUT PLUG(MIPT) 3"
CPRLN106-035	CLEANOUT PLUG(MIPT) 3-1/2"
CPRLN106-040	CLEANOUT PLUG(MIPT) 4"
CPRLN106R-012	PLUG WITH GASKET(MIPT)1-1/4"
CPRLN106R-015	PLUG WITH GASKET(MIPT)1-1/2"
CPRLN106R-020	PLUG WITH GASKET(MIPT)2"
CPRLN106R-025	PLUG WITH GASKET(MIPT)2-1/2"
CPRLN106R-030	PLUG WITH GASKET(MIPT)3"
CPRLN106R-035	PLUG WITH GASKET(MIPT)2-1/2"
CPRLN106R-040	PLUG WITH GASKET(MIPT)4"
CPRLN106R-060	PLUG WITH GASKET(MIPT)6"
CPRLN107-212	FLUSH BUSHING(SPG×HUB)1-1/2×1-1/4"
CPRLN107-251	FLUSH BUSHING(SPG×HUB)2×1-1/2"
CPRLN107-337	FLUSH BUSHING(SPG×HUB)3×1-1/2"
CPRLN107-338	FLUSH BUSHING(SPG×HUB)3×2"
CPRLN107-419	FLUSH BUSHING(SPG×HUB)4×1-1/2"
CPRLN107-420	FLUSH BUSHING(SPG×HUB)4×2"

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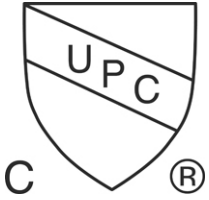
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Model Number	Description
CPRLN107-422	FLUSH BUSHING(SPG×HUB)4×3"
CPRLN107-532	FLUSH BUSHING(SPG×HUB)6×4"
CPRLN108-209	FLUSH ADAPTER (SPG×FIPT)1-1/2×1/2"
CPRLN108-210	FLUSH ADAPTER (SPG×FIPT)1-1/2×3/4"
CPRLN108-212	FLUSH ADAPTER (SPG×FIPT)1-1/2 x 1-1/4"
CPRLN108-251	FLUSH ADAPTER (SPG×FIPT)2 x 1-1/2"
CPRLN108-337	FLUSH ADAPTER (SPG×FIPT)3×1-1/2"
CPRLN108-338	FLUSH ADAPTER (SPG×FIPT)3x 2"
CPRLN108-422	FLUSH ADAPTER (SPG×FIPT)4x 3"
CPRLN109-012	MALE ADAPTER(HUB×MIPT) 1-1/4"
CPRLN109-015	MALE ADAPTER(HUB×MIPT) 1-1/2"
CPRLN109-020	MALE ADAPTER(HUB×MIPT) 2"
CPRLN109-030	MALE ADAPTER(HUB×MIPT) 3"
CPRLN109-040	MALE ADAPTER(HUB×MIPT) 4"
CPRLN109-212	MALE ADAPTER(HUB×MIPT) 1-1/2×1-1/4"
CPRLN110S-015	SLIP PLUG (SPG) 1-1/2"
CPRLN110S-020	SLIP PLUG(SPG) 2"
CPRLN110S-025	SLIP PLUG 2-1/2"
CPRLN110S-030	SLIP PLUG(SPG) 3"
CPRLN110S-035	SLIP PLUG(SPG) 3-1/2"
CPRLN110S-040	SLIP PLUG(SPG) 4"
CPRLN111-012	MALE ADAPTER(SPG×MIPT) 1-1/4"
CPRLN111-015	MALE ADAPTER(SPG×MIPT) 1-1/2"
CPRLN111-020	MALE ADAPTER(SPG×MIPT) 2"
CPRLN111-030	MALE ADAPTER(SPG×MIPT) 3"
CPRLN111-040	MALE ADAPTER(SPG×MIPT)4"
CPRLN111-212	MALE ADAPTER(SPG×MIPT)1-1/2×1-1/4"
CPRLN116-012	CAP(HUB)1-1/4"
CPRLN116-015	CAP(HUB)1-1/2"

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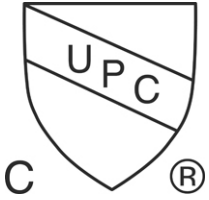
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Model Number	Description
CPRLN116-020	CAP(HUB)2"
CPRLN116-030	CAP(HUB)3"
CPRLN116-040	CAP(HUB)4"
CPRLN116-060	CAP(HUB)6"
CPRLN117-342	SEWER & DRAIN ADAPTER(HUBxHUB) 3 x 4"
CPRLN117-422	SEWER & DRAIN ADAPTER (HUBxHUB)4x3" SEWER DRAIN ADAPTER (HUBxHUB)
CPRLN119-020	NO-HUB ADAPTER(SPGxHUB)2"
CPRLN119-030	NO-HUB ADAPTER(SPGxHUB)3"
CPRLN119-040	NO-HUB ADAPTER(SPGxHUB)4"
CPRLN119-251	NO-HUB ADAPTER(SPGxHUB)2 x 1-1/2"
CPRLN119-422	NO-HUB ADAPTER(SPGxHUB)4 x 3"
CPRLN120-015	ABS-COPPER ADAPTER (HUBxSJ)1-1/2"
CPRLN120-212	ABS-COPPER ADAPTER (HUBxSJ) 1-1/2x1-1/4"
CPRLN123-020	HUB ADAPTER CAST IRON (HUBxSJ)2"
CPRLN123-030	HUB ADAPTER CAST IRON (HUBxSJ)3"
CPRLN123-040	HUB ADAPTER CAST IRON (HUBxSJ)4"
CPRLN123R-213	HUB ADAPTER CAST IRON INCREASER(HUBxSJ) 1-1/2 x 2"
CPRLN123R-342	HUB ADAPTER CAST IRON INCREASER(HUBxSJ) 3 x 4"
CPRLN126-015	UNION(HUBxHUB)1-1/2"
CPRLN126-020	UNION(HUBxHUB)2"
CPRLN130-015	REPAIR COUPLING(HUBxHUB)1-1/2"
CPRLN130-020	REPAIR COUPLING(HUBxHUB)2"
CPRLN130-030	REPAIR COUPLING(HUBxHUB)3"
CPRLN130-040	REPAIR COUPLING(HUBxHUB)4"
CPRLN130X-015	TRAY PLUG ADAPTER - SPIGOT 1-1/2"
CPRLN135-015	THREADED CAP (FIPT) 1-1/2"
CPRLN135-020	THREADED CAP (FIPT) 2"
CPRLN135-030	THREADED CAP (FIPT) 3
CPRLN300-012	90 deg.ELBOW (HUBxHUB) 1-1/4" 90 deg.ELBOW LONG-TURN (HUBxHUB)

IAPMO RESEARCH AND TESTING, INC.

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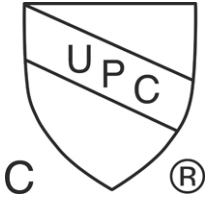
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Model Number	Description
CPRLN300-015	90 deg.ELBOW (HUB×HUB) 1-1/2" 90 deg.ELBOW LONG-TURN (HUB×HUB)
CPRLN300-020	90 deg.ELBOW (HUB×HUB) 2" 90 deg.ELBOW LONG-TURN (HUB×HUB)
CPRLN300-030	90 deg.ELBOW (HUB×HUB) 3" 90 deg.ELBOW LONG-TURN (HUB×HUB)
CPRLN300-040	90 deg.ELBOW (HUB×HUB) 4" 90 deg.ELBOW LONG-TURN (HUB×HUB)
CPRLN300-060	90 deg.ELBOW (HUB×HUB) 6 90 deg.ELBOW LONG-TURN (HUB×HUB)
CPRLN300-012S	90 deg.ELBOW-SHORT TURN (HUB×HUB)1-1/4"
CPRLN300-015S	90 deg.ELBOW-SHORT TURN (HUB×HUB)1-1/2" 90 deg.ELBOW (HUB×HUB)
CPRLN300-020S	90 deg.ELBOW-SHORT TURN (HUB×HUB)2" 90 deg.ELBOW (HUB×HUB)
CPRLN300-030S	90 deg.ELBOW-SHORT TURN (HUB×HUB)3" 90 deg.ELBOW (HUB×HUB)
CPRLN300-040S	90 deg.ELBOW-SHORT TURN (HUB×HUB)4" 90 deg.ELBOW (HUB×HUB)
CPRLN300-060S	90 deg.ELBOW-SHORT TURN (HUB×HUB)6"
*CPRLN300S-337	90 deg.ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
*CPRLN300S-338	90 deg.ELBOW WITH SIDE INLET (HUB×HUB×HUB) 3 x 3 x 2"
CPRLN302-012	90 deg.STREET ELBOW (HUB×SPG)1-1/4" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/4"
CPRLN302-015	90 deg. STREET ELBOW (HUB×SPG)1-1/2" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/2"
CPRLN302-020	90 deg.STREET ELBOW (HUB×SPG)2" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)2"
CPRLN302-030	90 deg.STREET ELBOW (HUB×SPG)3" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)3"
CPRLN302-040	90 deg. STREET ELBOW (HUB×SPG)4" 90 deg. STREET ELBOW LONG-TURN(HUBxSPG)4"
CPRLN302-060	90 deg. STREET ELBOW (HUB×SPG)6"
CPRLN302-015S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)1-1/2" 90 deg. STREET ELBOW (HUB×SPG)1-1/2"
CPRLN302-020S	90 deg. STREET ELBOW-SHORT TURN(HUB×SPG)2" 90 deg. STREET ELBOW(HUB×SPG)2"
CPRLN302-030S	90 deg.STREET ELBOW-SHORT TURN(HUB×SPG)3" 90 deg. STREET ELBOW(HUB×SPG)3"
CPRLN302-040S	90 deg.STREET ELBOW-SHORT TURN(HUB×SPG)4" 90 deg. STREET ELBOW(HUB×SPG)4"
CPRLN303-337	90 ELBOW W/ LOW HEEL INLET (HUB×HUB×HUB) 3 x 3 x 1-1/2"
CPRLN303-338	90 deg.ELBOW W/ LOW HEEL INLET(HUB×HUB×HUB) 3 x 3 x 2"
CPRLN303-420	90 deg.ELBOW W/ LOW HEEL INLET(HUB×HUB×HUB) 4 x 4 x 2"
CPRLN304-012	90 deg.LONG SWEEP ELBOW (HUB×HUB)1-1/4"
CPRLN304-015	90 deg.LONG SWEEP ELBOW (HUB×HUB)1-1/2"
CPRLN304-020	90 deg.LONG SWEEP ELBOW (HUB×HUB)2"

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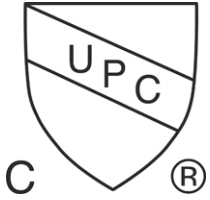
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Model Number	Description
CPRLN304-030	90 deg. LONG SWEEP ELBOW (HUB×HUB)3"
CPRLN304-040	90 deg. LONG SWEEP ELBOW (HUB×HUB)4"
CPRLN310-338	90 deg. STREET ELBOW W/ LOW HEEL INLET (HUB×SPG×HUB) 3 x 3 x 2"
CPRLN319-015	60 deg. ELBOW(HUB×HUB)1-1/2"
CPRLN319-020	60 deg. ELBOW(HUB×HUB)2"
CPRLN319-030	60 deg. ELBOW(HUB×HUB)3"
CPRLN319-040	60 deg. ELBOW(HUB×HUB)4"
CPRLN320-015	60 deg. STREET ELBOW (HUB×SPG)1-1/2"
CPRLN320-020	60 deg. STREET ELBOW (HUB×SPG)2"
CPRLN320-030	60 deg. STREET ELBOW (HUB×SPG)3"
CPRLN320-040	60 deg. STREET ELBOW (HUB×SPG)4"
CPRLN321-012	45 deg. ELBOW (HUB×HUB)1-1/4" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/4"
CPRLN321-015	45 deg. ELBOW (HUB×HUB)1-1/2" 45 deg. ELBOW LONG-TURN HUBxHUB)1-1/2"
CPRLN321-020L	45 deg. ELBOW (HUB×HUB)2"
CPRLN321-030L	45 deg. ELBOW (HUB×HUB)3"
CPRLN321-040	45 deg. ELBOW (HUB×HUB)4" 45 deg. ELBOW LONG-TURN HUBxHUB)4"
CPRLN321-060	45 deg. ELBOW (HUB×HUB)6" 45 deg. ELBOW LONG-TURN HUBxHUB)6"
CPRLN321-015S	45 deg. ELBOW-SHORT TURN (HUB×HUB)1-1/2" 45 deg. ELBOW (HUB×HUB)1-1/2"
CPRLN321-020S	45 deg. ELBOW-SHORT TURN (HUB×HUB)2" 45 deg. ELBOW (HUB×HUB)2"
CPRLN321-030S	45 deg. ELBOW-SHORT TURN (HUB×HUB)3" 45 deg. ELBOW (HUB×HUB)3"
CPRLN321-040S	45 deg. ELBOW-SHORT TURN (HUB×HUB)4" 45 deg. ELBOW (HUB×HUB)4"
CPRLN323-012	45 deg. STREET ELBOW (HUB×SPG)1-1/4" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/4"
CPRLN323-015	45 deg. STREET ELBOW (HUB×SPG)1-1/2" 45 deg. STREET ELBOW LONG-TURN(HUBxSPG)1-1/2"
CPRLN323-020L	45 deg. STREET ELBOW (HUB×SPG)2"
CPRLN323-030L	45 deg. STREET ELBOW (HUB×SPG)3"
CPRLN323-040	45 deg. STREET ELBOW (HUB×SPG)4" 45 deg. STREET ELBOW LONG-TURN HUBxSPG)
CPRLN323-060	45 deg. STREET ELBOW (HUB×SPG)6
CPRLN323-015S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 1-1/2" 45 deg. STREET ELBOW (HUB×SPG)
CPRLN323-020S	45 deg. STREET ELBOW-SHORT TURN (HUB×SPG) 2" 45 deg. STREET ELBOW (HUB×SPG)

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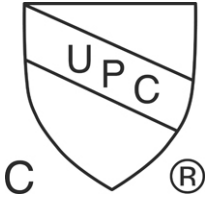
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Model Number	Description
CPRLN323-030S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 3" 45 deg. STREET ELBOW (HUB×SPG)
CPRLN323-040S	45 deg. STREET ELBOW-SHORT TURN(HUB×SPG) 4" 45 deg. STREET ELBOW(HUB×SPG)
CPRLN324-015	22½ deg. ELBOW(HUB×HUB)1-1/2"
CPRLN324-020	22½ deg. ELBOW(HUB×HUB)2"
CPRLN324-030	22½ deg. ELBOW(HUB×HUB)3"
CPRLN324-040	22½ deg. ELBOW(HUB×HUB)4"
CPRLN324-060	22½ deg. ELBOW(HUB×HUB)6"
CPRLN326-015	22½ deg. STREET ELBOW(HUB×SPG)1-1/2"
CPRLN326-020	22½ deg. STREET ELBOW(HUB×SPG)2"
CPRLN326-030	22½ deg. STREET ELBOW(HUB×SPG)3"
CPRLN326-040	22½ deg. STREET ELBOW(HUB×SPG)4"
CPRLN327-015	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)1-1/2"
CPRLN327-020	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2"
CPRLN327-030	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)3"
CPRLN327-040	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)4"
CPRLN327-241	90 deg. DOUBLE ELBOW(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
CPRLN329-422	90 deg. REDUCING CLOSET ELBOW(HUB×HUB) 4×3 " 90 deg. CLOSET ELBOW (HUB×HUB)4×3"
CPRLN330X-342	90 deg. REDUCING CLOSET STREET ELBOW W/TEST CAP (HUB×SPG)3 x 4"
CPRLN330-342	90 deg. REDUCING CLOSET STREET ELBOW (HUB×SPG)3 x 4"
CPRLN331-012	90 deg. VENT ELBOW(HUB×HUB)1-1/4"
CPRLN331-015	90 deg. VENT ELBOW(HUB×HUB)1-1/2"
CPRLN331-020	90 deg. VENT ELBOW(HUB×HUB)2"
CPRLN331-030	90 deg. VENT ELBOW(HUB×HUB)3"
CPRLN331-040	90 deg. VENT ELBOW(HUB×HUB)4"
CPRLN400-012L	SANITARY TEE(HUB×HUB×HUB)1-1/4"
CPRLN400-012	SANITARY TEE(HUB×HUB×HUB)1-1/4"
CPRLN400-015L	SANITARY TEE(HUB×HUB×HUB)1-1/2"
CPRLN400-015	SANITARY TEE(HUB×HUB×HUB)1-1/2"
CPRLN400-020L	SANITARY TEE(HUB×HUB×HUB)2"

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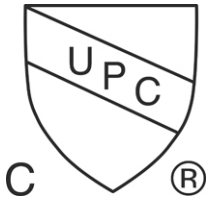
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Model Number	Description
CPRLN400-020	SANITARY TEE(HUB×HUB×HUB)2"
CPRLN400-030	SANITARY TEE(HUB×HUB×HUB)3"
CPRLN400-040L	SANITARY TEE(HUB×HUB×HUB)4"
CPRLN400-040	SANITARY TEE(HUB×HUB×HUB)4"
CPRLN400-060	SANITARY TEE(HUB×HUB×HUB)6"
CPRLN401-222	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/4"
CPRLN401-212	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/2 x 1-1/4"
CPRLN401-225	REDUCING SANITARY TEE(HUB×HUB×HUB) 1-1/2 x 1-1/4 x 1-1/2"
CPRLN401-241L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
CPRLN401-241	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×1-1/2"
CPRLN401-251L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
CPRLN401-251	SANITARY TEE(HUB×HUB×HUB) 2×2×1-1/2"
CPRLN401-257L	REDUCING SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
CPRLN401-257	SANITARY TEE(HUB×HUB×HUB) 2×1-1/2×2"
CPRLN401-337	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×1-1/2" SANITARY TEE(HUB×HUB×HUB)3×3×1-1/2"
CPRLN401-338L	REDUCING SANITARY TEE(HUB×HUB×HUB) 3×3×2"
CPRLN401-338	SANITARY TEE(HUB×HUB×HUB) 3×3×2"
CPRLN401-419	REDUCING SANITARY TEE(HUB×HUB×HUB) 4 x 4 x 1-1/2"
CPRLN401-420	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×2" SANITARY TEE(HUB×HUB×HUB) 4×4×2"
CPRLN401-422	REDUCING SANITARY TEE(HUB×HUB×HUB) 4×4×3" SANITARY TEE(HUB×HUB×HUB) 4×4×3"
CPRLN401-532	REDUCING SANITARY TEE(HUB×HUB×HUB) 6 x 6 x 4"
CPRLN403-015	STREET SANITARY TEE(SPG×HUB×HUB) 1-1/2"
CPRLN403-020	STREET SANITARY TEE(SPG×HUB×HUB) 2"
CPRLN403-030	STREET SANITARY TEE(SPG×HUB×HUB) 3"
CPRLN403-040	STREET SANITARY TEE(SPG×HUB×HUB) 4"
CPRLN404-241	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×1-1/2"
CPRLN404-251	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×2×1-1/2"
CPRLN404-257	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 2×1-1/2×2"
CPRLN404-337	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3×3×1-1/2" STREET SANITARY TEE (SPG×HUB×HUB) 3×3×1-1/2"

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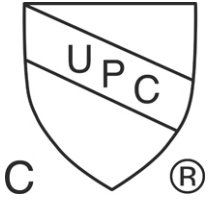
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Model Number	Description
*CPRLN404-338	REDUCING STREET SANITARY TEE(SPG×HUB×HUB) 3 x 3 x 2"
*CPRLN416-337	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*CPRLN416-338	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 3 x 2"
*CPRLN416-329	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"
*CPRLN416-420	SANITARY TEE W /LEFT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*CPRLN417-337	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2"
*CPRLN417-338	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 3 x 2"
*CPRLN417-329	SANITARY TEE W/RIGHT SIDE INLET(ALL HUB) 3 x 3 x 2 x 2"
*CPRLN417-420	SANITARY TEE W /RIGHT SIDE INLET(ALL HUB) 4 x 4 x 4 x 2"
*CPRLN418-337	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 3 x 3 x 3 x 1-1/2 x 1-1/2"
*CPRLN418-338	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 3 x 3 x 3 x 2 x 2"
*CPRLN418-420	SANITARY TEE W/R& L SIDE INLET(ALL HUB) 4"x4"x4"x2"x2"
CPRLN428-015	DOUBLE SANITARY TEE(ALL HUB)1-1/2"
CPRLN428-020	DOUBLE SANITARY TEE(ALL HUB)2"
CPRLN428-030	DOUBLE SANITARY TEE(ALL HUB)3"
CPRLN428-040	DOUBLE SANITARY TEE(ALL HUB)4"
CPRLN429-251	REDUCING DOUBLE SANITARY TEE(ALL HUB) 2×2×1-1/2×1-1/2"DOUBLE SANITARY TEE (ALL HUB)2×2×1-1/2×1-1/2"
CPRLN429-337	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3×3×1-1/2×1-1/2" DOUBLE SANITARY TEE (ALL HUB)3×3×1-1/2×1-1/2"
CPRLN429-338	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 2"
CPRLN429-420	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 2 x 2"
CPRLN429-422	REDUCING DOUBLE SANITARY TEE(ALL HUB) 4 x 4 x 3 x 3"
CPRLN429-323	REDUCING DOUBLE SANITARY TEE(ALL HUB) 3 x 3 x 2 x 1-1/2"
*CPRLN438-337	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 1-1/ 2"
*CPRLN438-338	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 2"
*CPRLN438-420	DOUBLE SANITARY TEE W /SIDE INLET(ALL HUB)4 x 4 x 4 x 4 x 2"
*CPRLN439-338	DOUBLE SANITARY TEE W / R & L SIDE INLET(ALL HUB)3 x 3 x 3 x 3 x 2 x 2"
CPRLN441-015	VENT TEE(HUB×HUB×HUB)1-1/2"
CPRLN441-020	VENT TEE(HUB×HUB×HUB)2"
CPRLN441-030	VENT TEE(HUB×HUB×HUB)3"

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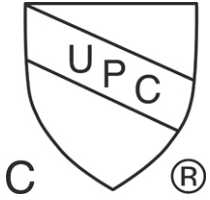
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Model Number	Description
CPRLN441-040	VENT TEE(HUB×HUB×HUB)4
CPRLN441-337	VENT TEE(HUB×HUB×HUB)3"×3"×1-1/2"
CPRLN441-338	VENT TEE(HUB×HUB×HUB)3"×3"×2"
CPRLN444X-427	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 4×3×4" TEST TEE (HUB×HUB×CLEANOUT)4×3×4"
CPRLN444X-015L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
CPRLN444X-015	TEST TEE (HUB×HUB×CLEANOUT)1-1/2"
CPRLN444X-020L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 2"
CPRLN444X-020	TEST TEE (HUB×HUB×CLEANOUT)2"
CPRLN444X-030L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 3"
CPRLN444X-030	TEST TEE (HUB×HUB×CLEANOUT)3"
CPRLN444X-040L	TEST TEE(HUB×HUB×CLEANOUT W/PLUG) 4"
CPRLN444X-040	TEST TEE (HUB×HUB×CLEANOUT)4"
CPRLN448-030	TWO-WAY CLEANOUT(HUB×HUB×HUB)3"
CPRLN448-040	TWO-WAY CLEANOUT(HUB×HUB×HUB)4"
CPRLN500-020	DOUBLE FIXTURE FITTING(ALL HUB)2"
CPRLN500-030	DOUBLE FIXTURE FITTING(ALL HUB)3"
CPRLN500-241	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 1-1/2 x 1-1/2"
CPRLN500-257	DOUBLE FIXTURE FITTING(ALL HUB)2 x 1-1/2 x 2 x 2"
CPRLN500-338	DOUBLE FIXTURE FITTING(ALL HUB)3 x 2 x 3 x 3"
CPRLN501-015	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 1-1/2"
CPRLN501-020	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 2"
CPRLN501-030	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 3"
CPRLN501-040	COMBINATION WYE & 1/8 BEND (ONE PC)(HUB×HUB×HUB) 4"
CPRLN502-241	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 1-1/2"
CPRLN502-251	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 2 x 1-1/2"
CPRLN502-257	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)2 x 1-1/2 x 2"
CPRLN502-337	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 1-1/2"
CPRLN502-338	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)3 x 3 x 2"
CPRLN502-420	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO LTD

Effective Date: July 2024

File Number: 9266

Product: ABS-DWV Pipe and Fittings

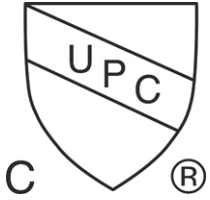
Void After: July 2029

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Model Number	Description
CPRLN502-422	REDUCING COMBINATION WYE & 1/8 BEND(ONE PC)(HUB×HUB×HUB)4 x 4 x 3"
CPRLN503-020	COMBINATION WYE & 1/8 BEND (TWO PC)(HUB×HUB×HUB) 2"
CPRLN600-012	45 deg. WYE (HUB×HUB×HUB) 1-1/4"
CPRLN600-015L	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
CPRLN600-015	45 deg. WYE(HUB×HUB×HUB) 1-1/2"
CPRLN600-020L	45 deg. WYE(HUB×HUB×HUB) 2"
CPRLN600-020	45 deg.WYE(HUB×HUB×HUB) 2"
CPRLN600-030L	45 deg. WYE(HUB×HUB×HUB) 3"
CPRLN600-030	45 deg. WYE(HUB×HUB×HUB) 3"
CPRLN600-040L	45 deg. WYE(HUB×HUB×HUB) 4"
CPRLN600-040	45 deg. WYE(HUB×HUB×HUB) 4"
CPRLN600-060	45 deg. WYE(HUB×HUB×HUB) 6"
CPRLN601-241	45 deg. REDUCING WYE (HUB×HUB×HUB)2×1-1/2×1-1/2" 45 deg. WYE(HUB×HUB×HUB)
CPRLN601-251L	45 deg. REDUCING WYE(HUB×HUB×HUB) 2×2×1-1/2"
CPRLN601-251	45 deg. WYE (HUB×HUB×HUB) 2×2×1-1/2"
CPRLN601-337L	45 deg. REDUCING WYE(HUB×HUB×HUB) 3×3×1-1/2"
CPRLN601-337	45 deg. WYE (HUB×HUB×HUB) 3×3×1-1/2"
CPRLN601-338L	45 deg. REDUCING WYE(HUB×HUB×HUB)3×3×2"
CPRLN601-338	45 deg. WYE (HUB×HUB×HUB) 3×3×2"
CPRLN601-419	45 deg. REDUCING WYE (HUB×HUB×HUB) 4 x 4 x 1-1/2"
CPRLN601-420L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×2"
CPRLN601-420	45 deg. WYE (HUB×HUB×HUB) 4×4×2"
CPRLN601-422L	45 deg. REDUCING WYE(HUB×HUB×HUB) 4×4×3"
CPRLN601-422	45 deg. WYE (HUB×HUB×HUB) 4×4×3"
CPRLN601-530	45 deg. REDUCING WYE (HUB×HUB×HUB) 6 x 6 x 3"
CPRLN601-532	45 deg. REDUCING WYE (HUB×HUB×HUB) 6×6×4" 45 deg. WYE (HUB×HUB×HUB)
CPRLN601-209	
CPRLN601-210	
CPRLN610-015	

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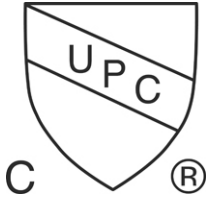
Void After: July 2029

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Model Number	Description
CPRLN602-015	45 deg. STREET WYE (SPG×HUB×HUB)1 1/2"
CPRLN602-020	45 deg. STREET WYE (SPG×HUB×HUB)2"
CPRLN602-030	45 deg. STREET WYE (SPG×HUB×HUB)3"
CPRLN602-040	45 deg. STREET WYE (SPG×HUB×HUB)4"
CPRLN603-337	45 deg. REDUCING STREET WYE (SPG×HUB×HUB)3 x 3 x 1-1/2"
CPRLN603-338	45 deg. REDUCING STREET WYE (SPG×HUB×HUB)3 x 3 x 2"
CPRLN603-422	45 deg. REDUCING STREET WYE (SPG×HUB×HUB) 4 x 4 x 3"
CPRLN611-015	45 deg. DOUBLE WYE (ALL HUB)1-1/2"
CPRLN611-020	45 deg. DOUBLE WYE (ALL HUB)2"
CPRLN611-030L	45 deg. DOUBLE WYE (ALL HUB)3"
CPRLN611-030	45 deg. DOUBLE WYE (ALL HUB)3"
CPRLN611-040	45 deg. DOUBLE WYE (ALL HUB)4"
CPRLN612-251	45 deg. REDUCING DOUBLE WYE (ALL HUB)2 x 2 x 1-1/2 x 1-1/2"
CPRLN612-337	45 deg. REDUCING DOUBLE WYE (ALL HUB)3 x 3 x 1-1/2 x 1-1/2"
CPRLN612-338	45 deg. REDUCING DOUBLE WYE (ALL HUB)3×3×2×2"
CPRLN612-420	45 deg. REDUCING DOUBLE WYE (ALL HUB)4 x 4 x 2 x 2"
CPRLN612-422	45 deg. REDUCING DOUBLE WYE (ALL HUB)4 x 4 x 3 x 3"
CPRLN612-532	45 deg. REDUCING DOUBLE WYE (ALL HUB)6 x 6 x 4 x 4"
CPRLN604-015	CLEANOUT WYE (HUB×HUB×FIPT)1-1/2"
CPRLN700-015	RETURN BEND (HUB×HUB) 1-1/2"
CPRLN700-020	RETURN BEND (HUB×HUB) 2"
CPRLN700-030	RETURN BEND (HUB×HUB) 3"
CPRLN700-040	RETURN BEND (HUB×HUB) 4"
CPRLN701-015	RETURN BEND (HUB×HUB×CLEANOUT W/PLUG) 1-1/2"
CPRLN701-020	RETURN BEND (HUB×HUB×CLEANOUT W/PLUG) 2"
CPRLN706X-015	P-TRAP (HUB×HUB)1-1/2"
CPRLN706X-020	P-TRAP (HUB×HUB)2"
CPRLN706X-030	P-TRAP (HUB×HUB)3"
CPRLN706X-040	P-TRAP (HUB×HUB)4"

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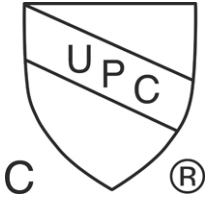
Void After: July 2029

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Model Number	Description
CPRLN707X-015	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG) 1-1/2" P-TRAP (HUB×HUB×CLEANOUT)
CPRLN707X-020	P-TRAP W/PLUG(HUB×HUB×CLEANOUT W/PLUG)2" P-TRAP (HUB×HUB×CLEANOUT)
CPRLN708P-012	P-TRAP W/UNION JOINT(HUB×HUB)1-1/4"
CPRLN708P-015	P-TRAP W/UNION JOINT(HUB×HUB)1-1/2"
CPRLN708P-020	P-TRAP W/UNION JOINT(HUB×HUB)2"
CPRLN711M-015	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ)1-1/2"
CPRLN711M-212	LA PATTERN P-TRAP W/UNION&PLASTIC NUT(HUB×SJ) 1-1/2 x 1-1/4"
CPRLN712-015	P-TRAP W/UNION &C/O(HUB×HUB×C/O)1-1/2"
CPRLN800-040	CLOSET FLANGE (HUB) 4×4"
CPRLN800-422L	CLOSET FLANGE (HUB) 4×3"
CPRLN800-422	CLOSET FLANGE (HUB) 4×3"
CPRLN800T-040	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB)4 x 4"
CPRLN800T-422L	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
CPRLN800T-422	CLOSET FLANGE W/KNOCKOUT TEST PLUG (HUB) 4 x 3"
CPRLN801-422	REDUCING CLOSET FLANGE (SPG) 4 x 3"
CPRLN810P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(HUB)4 x 4"
CPRLN812P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 4"
CPRLN812P-422	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(SPG)4 x 3"
CPRLN815-040	FLUSH CLOSET FLANGE (INSIDE 4",OUTSIDE 3") 4 x 4 / 4 x 3
CPRLN815K-040	CLOSET FLANGE W/KONCKOUT & PIPE STOP(HUB) 4 x 4 / 4 x 3
CPRLN815PS-040	CLOSET FLANGE W/ PIPE STOP(HUB)4 x 4/4 x 3
CPRLNH119-015	EXPANSION JOINT(HUB×HUB)1-1/2"
CPRLNH119-020	EXPANSION JOINT(HUB×HUB)2"
CPRLNH119-030	EXPANSION JOINT(HUB×HUB)3"
CPRLNH119-040	EXPANSION JOINT(HUB×HUB)4"
CPRLNH119S-030	EXPANSION JOINT(HUB×SPG)3"
CPRLN830-422	CLOSET FLANGE(FIPT)4 x 3
CPRLN831-422	CLOSET FLANGE(MIPT)4 x 3"
CPRLN702X-363	DRUM TRAP W/CLEANOUT3 x 6 x 1 1/2

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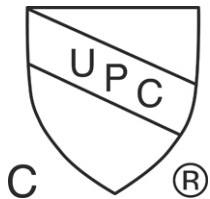
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Model Number	Description
CPRLN900-015	TRAY PLUG ADAPTER 1 1/2"
CPRLN103-020	TRAP ADAPTER (SPG X SJ) 2"
CPRLN126-030	UNION (HUB X HUB) 3"
CPRLN126-040	UNION (HUB X HUB) 4"
CPRLN330X-422	90 deg. REDUCING CLOSET STREET ELBOW W/ TEST CAP (HUB X SPG) 4 x 3"
CPRLN330-422	90 deg. REDUCING CLOSET STREET ELBOW (HUB X SPG) 4 x 3"
CPRLN445-015	TEST TEE (HUB X HUB X FIPT) 1 - 1/2"
CPRLN445-015L	TEST TEE (HUB X HUB X FIPT) 1 - 1/2"
CPRLN445-020	TEST TEE (HUB X HUB X FIPT) 2"
CPRLN445-020L	TEST TEE (HUB X HUB X FIPT) 2"
CPRLN445-030	TEST TEE (HUB X HUB X FIPT) 3"
CPRLN445-030L	TEST TEE (HUB X HUB X FIPT) 3"
CPRLN445-040	TEST TEE (HUB X HUB X FIPT) 4"
CPRLN445-040L	TEST TEE (HUB X HUB X FIPT) 4"
CPRLN445-427	TEST TEE (HUB X HUB X FIPT) 4 x 3 x 4"
CPRLN603-251	45 deg. REDUCING STREET WYE (SPG X HUB X HUB) 2 x 2 x 1-1/2"
CPRLN603-420	45 deg. REDUCING STREET WYE (SPG X HUB X HUB) 4 x 4 x 2"
CPRLN800R-040	CLOSET FLANGE W/ RING-PULL TEST PLUG (HUB) 4 x 4"
CPRLN800R-422L	CLOSET FLANGE W/ RING-PULL TEST PLUG (HUB) 4 x 3"
CPRLN800R-422	CLOSET FLANGE W/ RING-PULL TEST PLUG (HUB) 4 x 3"
CPRLN800T-040C	CLOSET FLANGE W/ THREADED TEST PLUG (HUB) 4 x 4"
CPRLN800T-422CL	CLOSET FLANGE W/ THREADED TEST PLUG (HUB) 4 x 3"
CPRLN800T-422C	ABS CLOSET FLANGE W/ THREADED TEST PLUG (HUB) 4 x 3"
CPRLN110-020	FLUSH C.O. LUG (MPT) 2"
CPRLN110-030	FLUSH C.O. LUG (MPT) 3"
CPRLN110-040	FLUSH C.O. LUG (MPT) 4"
CPRLN309-015	90° LONG SWEEP ELBOW, STREET (HUB X SPG) 1-1/2"
CPRLN309-020	90° LONG SWEEP ELBOW, STREET (HUB X SPG) 2"
CPRLN309-030	90° LONG SWEEP ELBOW, STREET (HUB X SPG) 3"

IAPMO RESEARCH AND TESTING, INC.

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Product: ABS-DWV Pipe and Fittings

Void After: July 2029

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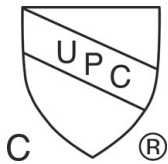
Model Number	Description
CPRLN309-040	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 4"
RLN110-020	FLUSH C.O. LUG(MPT) 2"
RLN110-030	FLUSH C.O. LUG(MPT) 3"
RLN110-040	FLUSH C.O. LUG(MPT) 4"
RLN309-015	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 1-1/2"
RLN309-020	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 2"
RLN309-030	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 3"
RLN309-040	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 4"
LN110-020	FLUSH C.O. LUG(MPT) 2"
LN110-030	FLUSH C.O. LUG(MPT) 3"
LN110-040	FLUSH C.O. LUG(MPT) 4"
LN309-015	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 1-1/2"
LN309-020	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 2"
LN309-030	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 3"
LN309-040	90° LONG SWEEP ELBOW,STREET(HUB×SPG) 4"

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



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of 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/or 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.

Issued To:

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO., LTD

LIANSU INDUSTRIAL ESTATE LONGJIANG TOWN SHUNDE ZONE FOSHAN 528318, GUANGDONG, CHINA

Product:

POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings, Schedule 40

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

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

Products are certified to the following standard(s)

ASTM D2466-2024 and CSA B137.3-2023

File Number: 7531

Effective Date: December 2024

Void After: December 2029*


Chairman, Product Certification Committee



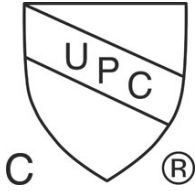

Chief Technical Service Officer

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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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CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: December 2024

File Number: 7531

Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

Void After: December 2029

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Identification:

Fittings shall be marked permanently and legibly with manufacturer's name or trademark, material designation (PVC I for PVC 12454-B, PVC 12 for PVC 12454-C, PVC 13 for PVC 13354-C and 11443-B, and PVC II for PVC 14333-D), size, "D2466", "B137.3" and the cUPC® certification mark. Fittings intended for contact with potable water shall bear the mark or the seal of the laboratory making the evaluation for potable water contact as well as the word "potable" or the designation "P" or "PW". Note: Where the size of the fitting does not allow complete marking, omit identification marking in the following sequence: size, material designation, manufacturer's name or trademark. Where recessed marking is used, care shall be taken to see that in no case marking causes cracks or reduces the wall thickness below the minimum specified.

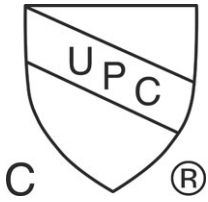
Characteristics:

Poly vinyl chloride (PVC) schedule 40 pipe fittings for use only with the distribution of pressurized liquids, which are chemically compatible with the piping materials. Note: Due to inherent hazards associated with testing components and systems with compressed air or other compressed gases some manufacturers do not allow pneumatic testing of their products. Consult with specific product/component manufacturers for their specific testing procedures prior to pneumatic testing.

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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Schedule 40

Void After: December 2029

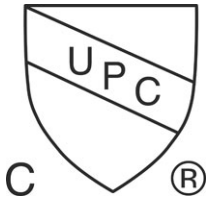
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Models

Model Number	Description
429-005	Coupling (SOC x SOC) 1/2"
429-007	Coupling (SOC x SOC) 3/4"
429-010	Coupling (SOC x SOC) 1"
429-012	Coupling (SOC x SOC) 1-1/4"
429-015	Coupling (SOC x SOC) 1-1/2"
429-020	Coupling (SOC x SOC) 2"
429-025	Coupling (SOC x SOC) 2-1/2"
429-030	Coupling (SOC x SOC) 3"
429-040	Coupling (SOC x SOC) 4"
401-005	Tee (SOC x SOCx SOC) 1/2"
401-007	Tee (SOC x SOCx SOC) 3/4"
401-010	Tee (SOC x SOCx SOC) 1"
401-012	Tee (SOC x SOCx SOC) 1-1/4"
401-015	Tee (SOC x SOCx SOC) 1-1/2"
401-020	Tee (SOC x SOCx SOC) 2"
401-025	Tee (SOC x SOCx SOC) 2-1/2"
401-030	Tee (SOC x SOCx SOC) 3"
401-040	Tee (SOC x SOCx SOC) 4"
401-060	Tee (SOC x SOCx SOC) 6"
406-005	90degrees Ell (SOC x SOC) 1/2"
406-007	90degrees Ell (SOC x SOC) 3/4"
406-010	90degrees Ell (SOC x SOC) 1"
406-012	90degrees Ell (SOC x SOC) 1-1/4"
406-015	90degrees Ell (SOC x SOC) 1-1/2"
406-020	90degrees Ell (SOC x SOC) 2"
406-025	90degrees Ell (SOC x SOC) 2-1/2"
406-030	90degrees Ell (SOC x SOC) 3"

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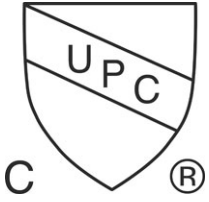
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Model Number	Description
406-040	90degrees Ell (SOC x SOC) 4"
406-060	90degrees Ell (SOC x SOC) 6"
417-005	45degrees Ell (SOC x SOC) 1/2"
417-007	45degrees Ell (SOC x SOC) 3/4"
417-010	45degrees Ell (SOC x SOC) 1"
417-012	45degrees Ell (SOC x SOC) 1-1/4"
417-015	45degrees Ell (SOC x SOC) 1-1/2"
417-020	45degrees Ell (SOC x SOC) 2"
417-025	45degrees Ell (SOC x SOC) 2-1/2"
417-030	45degrees Ell (SOC x SOC) 3"
417-040	45degrees Ell (SOC x SOC) 4"
401-074	Reducing Tee (SOC x SOC x SOC) 1/2x1/2x3/4
401-075	Reducing Tee (SOC x SOC x SOC) 1/2x1/2x1
401-094	Reducing Tee (SOC x SOC x SOC) 3/4x1/2x1/2
401-095	Reducing Tee (SOC x SOC x SOC) 3/4x1/2x3/4
401-101	Reducing Tee (SOC x SOC x SOC) 3/4x3/4x1/2
401-102	Reducing Tee (SOC x SOC x SOC) 3/4x3/4x1
401-122	Reducing Tee (SOC x SOC x SOC) 1x1/2x1
401-124	Reducing Tee (SOC x SOC x SOC) 1x3/4x1/2
401-125	Reducing Tee (SOC x SOC x SOC) 1x3/4x3/4
401-126	Reducing Tee (SOC x SOC x SOC) 1x3/4x1
401-130	Reducing Tee (SOC x SOC x SOC) 1x1x1/2
401-131	Reducing Tee (SOC x SOC x SOC) 1x1x3/4
401-134	Reducing Tee (SOC x SOC x SOC) 1x1x2
401-166	Reducing Tee (SOC x SOC x SOC) 1-1/4x1-1/4x1/2
401-167	Reducing Tee (SOC x SOC x SOC) 1-1/4x1-1/4x3/4
401-168	Reducing Tee (SOC x SOC x SOC) 1-1/4x1-1/4x1
401-209	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/2x1/2
401-210	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/2x3/4

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Schedule 40

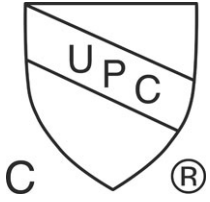
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Model Number	Description
401-211	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/2x1
401-212	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/2x1-1/4
401-247	Reducing Tee (SOC x SOC x SOC) 2x2x1/2
401-248	Reducing Tee (SOC x SOC x SOC) 2x2x3/4
401-249	Reducing Tee (SOC x SOC x SOC) 2x2x1
401-250	Reducing Tee (SOC x SOC x SOC) 2x2x1-1/4
401-251	Reducing Tee (SOC x SOC x SOC) 2x2x1-1/2
406-101	90degrees Reducing Ell (SOC x SOC) 3/4x1/2
406-130	90degrees Reducing Ell (SOC x SOC) 1x1/2
406-131	90degrees Reducing Ell (SOC x SOC) 1x3/4
406-168	90degrees Reducing Ell (SOC x SOC) 1-1/4x1
406-211	90degrees Reducing Ell (SOC x SOC) 1-1/2x1
406-212	90degrees Reducing Ell (SOC x SOC) 1-1/2x1-1/4
406-249	90degrees Reducing Ell (SOC x SOC) 2x1
406-251	90degrees Reducing Ell (SOC x SOC) 2x1-1/2
407-005	90degrees Ell (SOC x FIPT) 1/2"
407-007	90degrees Ell (SOC x FIPT) 3/4"
407-010	90degrees Ell (SOC x FIPT) 1"
409-005	90degrees Street Ell (SPIG x SOC) 1/2"
409-007	90degrees Street Ell (SPIG x SOC) 3/4"
409-010	90degrees Street Ell (SPIG x SOC) 1"
409-012	90degrees Street Ell (SPIG x SOC) 1-1/4"
409-015	90degrees Street Ell (SPIG x SOC) 1-1/2"
409-020	90degrees Street Ell (SPIG x SOC) 2"
413-005	Side Outlet Ell (SOC x SOC x SOC) 1/2"
413-007	Side Outlet Ell (SOC x SOC x SOC) 3/4"
413-010	Side Outlet Ell (SOC x SOC x SOC) 1"
420-005	Cross (SOC x SOC x SOC x SOC) 1/2"
420-007	Cross (SOC x SOC x SOC x SOC) 3/4"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



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INDUSTRIAL CO., LTD

Effective Date: December 2024

File Number: 7531

Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

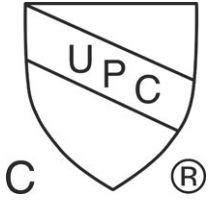
Void After: December 2029

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Model Number	Description
420-010	Cross (SOC x SOC x SOC x SOC) 1"
420-012	Cross (SOC x SOC x SOC x SOC) 1-1/4"
420-015	Cross (SOC x SOC x SOC x SOC) 1-1/2"
420-020	Cross (SOC x SOC x SOC x SOC) 2"
429-101	Reducing Coupling (SOC x SOC) 3/4x1/2
429-130	Reducing Coupling (SOC x SOC) 1x1/2
429-131	Reducing Coupling (SOC x SOC) 1x3/4
429-166	Reducing Coupling (SOC x SOC) 1-1/4x1/2
429-167	Reducing Coupling (SOC x SOC) 1-1/4x3/4
429-168	Reducing Coupling (SOC x SOC) 1-1/4x1
429-209	Reducing Coupling (SOC x SOC) 1-1/2x1/2
429-210	Reducing Coupling (SOC x SOC) 1-1/2x3/4
429-211	Reducing Coupling (SOC x SOC) 1-1/2x1
429-212	Reducing Coupling (SOC x SOC) 1-1/2x1-1/4
429-247	Reducing Coupling (SOC x SOC) 2x1/2
429-248	Reducing Coupling (SOC x SOC) 2x3/4
429-249	Reducing Coupling (SOC x SOC) 2x1
429-250	Reducing Coupling (SOC x SOC) 2x1-1/4
429-251	Reducing Coupling (SOC x SOC) 2x1-1/2
429-291	Reducing Coupling (SOC x SOC) 2-1/2x1-1/2
429-292	Reducing Coupling (SOC x SOC) 2-1/2x2
429-338	Reducing Coupling (SOC x SOC) 3x2
429-340	Reducing Coupling (SOC x SOC) 3x2-1/2
429-420	Reducing Coupling (SOC x SOC) 4x2
429-422	Reducing Coupling (SOC x SOC) 4x3
429-532	Reducing Coupling (SOC x SOC) 6x4
435-005	Female Adapter (SOC x FIPT) 1/2"
435-007	Female Adapter (SOC x FIPT) 3/4"
435-010	Female Adapter (SOC x FIPT) 1"

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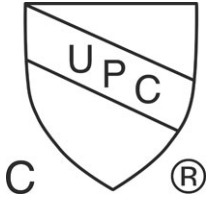
Void After: December 2029

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Model Number	Description
435-012	Female Adapter (SOC x FIPT) 1-1/4"
435-015	Female Adapter (SOC x FIPT) 1-1/2"
435-020	Female Adapter (SOC x FIPT) 2"
436-074	Reducing Male Adapter (SOC x MIPT) 1/2x3/4
436-075	Reducing Male Adapter (SOC x MIPT) 1/2x1
436-101	Reducing Male Adapter (SOC x MIPT) 3/4x1/2
436-102	Reducing Male Adapter (SOC x MIPT) 3/4x1
436-131	Reducing Male Adapter (SOC x MIPT) 1x3/4
436-132	Reducing Male Adapter (SOC x MIPT) 1x1-1/4
436-133	Reducing Male Adapter (SOC x MIPT) 1x1-1/2
437-101	Reducing Bushing Flush Style(SPIG x SOC) 3/4x1/2
437-130	Reducing Bushing Flush Style(SPIG x SOC) 1x1/2
437-131	Reducing Bushing Flush Style(SPIG x SOC) 1x3/4
437-166	Reducing Bushing Flush Style(SPIG x SOC) 1-1/4x1/2
437-167	Reducing Bushing Flush Style(SPIG x SOC) 1-1/4x3/4
437-168	Reducing Bushing Flush Style(SPIG x SOC) 1-1/4x1
437-209	Reducing Bushing Flush Style(SPIG x SOC) 1-1/2x1/2
437-210	Reducing Bushing Flush Style(SPIG x SOC) 1-1/2x3/4
437-211	Reducing Bushing Flush Style(SPIG x SOC) 1-1/2x1
437-212	Reducing Bushing Flush Style(SPIG x SOC) 1-1/2x1-1/4
437-247	Reducing Bushing Flush Style(SPIG x SOC) 2x1/2
437-248	Reducing Bushing Flush Style(SPIG x SOC) 2x3/4
437-249	Reducing Bushing Flush Style(SPIG x SOC) 2x1
437-250	Reducing Bushing Flush Style(SPIG x SOC) 2x1-1/4
437-251	Reducing Bushing Flush Style(SPIG x SOC) 2x1-1/2
437-287	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x1/2
437-288	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x3/4
437-289	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x1
437-290	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x1-1/4

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Schedule 40

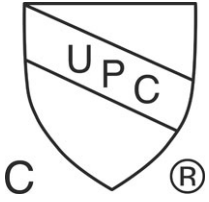
Void After: December 2029

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Model Number	Description
437-291	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x1-1/2
437-292	Reducing Bushing Flush Style(SPIG x SOC) 2-1/2x2
438-101	Reducing Bushing Flush Style(SPIG x FIPT) 3/4x1/2
438-130	Reducing Bushing Flush Style(SPIG x FIPT) 1x1/2
438-131	Reducing Bushing Flush Style(SPIG x FIPT) 1x3/4
438-166	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/4x1/2
438-167	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/4x3/4
438-168	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/4x1
438-128	Reducing Bushing Flush Style(SPIG x FIPT) 1x1/4
438-209	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/2x1/2
438-210	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/2x3/4
438-211	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/2x1
438-212	Reducing Bushing Flush Style(SPIG x FIPT) 1-1/2x1-1/4
447-005	Cap (SOC) 1/2"
447-007	Cap (SOC) 3/4"
447-010	Cap (SOC) 1"
447-012	Cap (SOC) 1-1/4"
447-015	Cap (SOC) 1-1/2"
447-020	Cap (SOC) 2"
447-025	Cap (SOC) 2-1/2"
447-030	Cap (SOC) 3"
447-040	Cap (SOC) 4"
447-060	Cap (SOC) 6"
448-005	Cap (FIPT) 1/2"
448-007	Cap (FIPT) 3/4"
448-010	Cap (FIPT) 1"
448-012	Cap (FIPT) 1-1/4"
448-015	Cap (FIPT) 1-1/2"
448-020	Cap (FIPT) 2"

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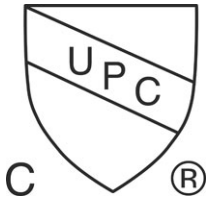
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Model Number	Description
449-005	Plug (SPIG) 1/2"
449-007	Plug (SPIG) 3/4"
449-010	Plug (SPIG) 1"
449-012	Plug (SPIG) 1-1/4"
449-015	Plug (SPIG) 1-1/2"
449-020	Plug (SPIG) 2"
449-025	Plug (SPIG) 2-1/2"
449-030	Plug (SPIG) 3"
449-040	Plug (SPIG) 4"
450-005	Plug (MIPT) 1/2"
450-007	Plug (MIPT) 3/4"
450-010	Plug (MIPT) 1"
450-012	Plug (MIPT) 1-1/4"
450-015	Plug (MIPT) 1-1/2"
450-020	Plug (MIPT) 2"
450-025	Plug (MIPT) 2-1/2"
450-030	Plug (MIPT) 3"
450-040	Plug (MIPT) 4"
436-005	Male Adapter (Mipt x Socket) 1/2"
436-007	Male Adapter (Mipt x Socket) 3/4"
436-012	Male Adapter (Mipt x Socket) 1-1/4"
436-015	Male Adapter (Mipt x Socket) 1-1/2"
436-020	Male Adapter (Mipt x Socket) 2"
410-005	90degrees Street Ell (MIPT x SOC) 1/2"
410-007	90degrees Street Ell (MIPT x SOC) 3/4"
410-010	90degrees Street Ell (MIPT x SOC) 1"
410-012	90degrees Street Ell (MIPT x SOC) 1-1/4"
410-015	90degrees Street Ell (MIPT x SOC) 1-1/2"
410-020	90degrees Street Ell (MIPT x SOC) 2"

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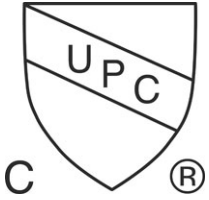
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Model Number	Description
429-060	Coupling (SOC x SOC) 6
479-007	Deep Socket Coupling (SOC x SOC) 3/4
479-010	Deep Socket Coupling (SOC x SOC) 1
479-012	Deep Socket Coupling (SOC x SOC) 1-1/4
479-015	Deep Socket Coupling (SOC x SOC) 1-1/2
479-020	Deep Socket Coupling (SOC x SOC) 2
417-060	45° Ell (SOC x SOC) 6
401-156	Reducing Tee (SOC x SOC x SOC) 1-1/4x1x1/2
401-157	Reducing Tee (SOC x SOC x SOC) 1-1/4x1x3/4
401-158	Reducing Tee (SOC x SOC x SOC) 1-1/4x1x1
401-199	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/4x1/2
401-201	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/4x3/4
401-202	Reducing Tee (SOC x SOC x SOC) 1-1/2x1-1/4x1
401-233	Reducing Tee (SOC x SOC x SOC) 2x1x2
401-238	Reducing Tee (SOC x SOC x SOC) 2x1-1/2x3/4
401-239	Reducing Tee (SOC x SOC x SOC) 2x1-1/2x1
401-241	Reducing Tee (SOC x SOC x SOC) 2x1-1/2x1-1/2
401-287	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x1/2
401-288	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x3/4
401-289	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x1
401-290	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x1-1/4
401-291	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x1-1/2
401-292	Reducing Tee (SOC x SOC x SOC) 2-1/2x2-1/2x2
401-333	Reducing Tee (SOC x SOC x SOC) 3x3x1/2
401-334	Reducing Tee (SOC x SOC x SOC) 3x3x3/4
401-335	Reducing Tee (SOC x SOC x SOC) 3x3x1
401-336	Reducing Tee (SOC x SOC x SOC) 3x3x1-1/4
401-337	Reducing Tee (SOC x SOC x SOC) 3x3x1-1/2
401-338	Reducing Tee (SOC x SOC x SOC) 3x3x2

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INDUSTRIAL CO., LTD

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Schedule 40

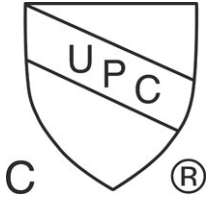
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Model Number	Description
401-416	Reducing Tee (SOC x SOC x SOC) 4x4x3/4
401-417	Reducing Tee (SOC x SOC x SOC) 4x4x1
401-418	Reducing Tee (SOC x SOC x SOC) 4x4x1-1/4
401-419	Reducing Tee (SOC x SOC x SOC) 4x4x1-1/2
401-420	Reducing Tee (SOC x SOC x SOC) 4x4x2
401-422	Reducing Tee (SOC x SOC x SOC) 4x4x3
401-528	Reducing Tee (SOC x SOC x SOC) 6x6x2
401-530	Reducing Tee (SOC x SOC x SOC) 6x6x3
401-532	Reducing Tee (SOC x SOC x SOC) 6x6x4
444-005	Street Tee (SPIG x SOC x SOC) 1/2
444-007	Street Tee (SPIG x SOC x SOC) 3/4
444-010	Street Tee (SPIG x SOC x SOC) 1
444-012	Street Tee (SPIG x SOC x SOC) 1-1/4
444-015	Street Tee (SPIG x SOC x SOC) 1-1/2
444-020	Street Tee (SPIG x SOC x SOC) 2
402-005	Tee (SOC x SOC x FIPT) 1/2
402-007	Tee (SOC x SOC x FIPT) 3/4
402-010	Tee (SOC x SOC x FIPT) 1
402-012	Tee (SOC x SOC x FIPT) 1-1/4
402-015	Tee (SOC x SOC x FIPT) 1-1/2
402-020	Tee (SOC x SOC x FIPT) 2
402-025	Tee (SOC x SOC x FIPT) 2-1/2
402-030	Tee (SOC x SOC x FIPT) 3
402-040	Tee (SOC x SOC x FIPT) 4
402-072	Reducing Tee (SOC x SOC x FIPT) 1/2x1/2x1/4
402-094	Reducing Tee (SOC x SOC x FIPT) 3/4x1/2x1/2
402-101	Reducing Tee (SOC x SOC x FIPT) 3/4x3/4x1/2
402-124	Reducing Tee (SOC x SOC x FIPT) 1x3/4x1/2
402-125	Reducing Tee (SOC x SOC x FIPT) 1x3/4x3/4

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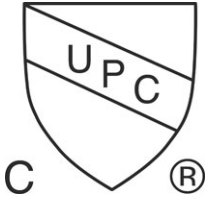
Void After: December 2029

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Model Number	Description
402-130	Reducing Tee (SOC x SOC x FIPT) 1x1x1/2
402-131	Reducing Tee (SOC x SOC x FIPT) 1x1x3/4
402-156	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1x1/2
402-157	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1x3/4
402-158	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1x1
402-166	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1-1/4x1/2
402-167	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1-1/4x3/4
402-168	Reducing Tee (SOC x SOC x FIPT) 1-1/4x1-1/4x1
402-199	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/4x1/2
402-201	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/4x3/4
402-209	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/2x1/2
402-210	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/2x3/4
402-211	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/2x1
402-212	Reducing Tee (SOC x SOC x FIPT) 1-1/2x1-1/2x1-1/4
402-247	Reducing Tee (SOC x SOC x FIPT) 2x2x1/2
402-248	Reducing Tee (SOC x SOC x FIPT) 2x2x3/4
402-249	Reducing Tee (SOC x SOC x FIPT) 2x2x1
402-250	Reducing Tee (SOC x SOC x FIPT) 2x2x1-1/4
402-251	Reducing Tee (SOC x SOC x FIPT) 2x2x1-1/2
402-287	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x1/2
402-288	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x3/4
402-289	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x1
402-290	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x1-1/4
402-291	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x1-1/2
402-292	Reducing Tee (SOC x SOC x FIPT) 2-1/2x2-1/2x2
402-333	Reducing Tee (SOC x SOC x FIPT) 3x3x1/2
402-334	Reducing Tee (SOC x SOC x FIPT) 3x3x3/4
402-335	Reducing Tee (SOC x SOC x FIPT) 3x3x1
402-336	Reducing Tee (SOC x SOC x FIPT) 3x3x1-1/4

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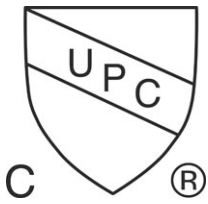
Void After: December 2029

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Model Number	Description
402-337	Reducing Tee (SOC x SOC x FIPT) 3x3x1-1/2
402-338	Reducing Tee (SOC x SOC x FIPT) 3x3x2
402-417	Reducing Tee (SOC x SOC x FIPT) 4x4x1
402-419	Reducing Tee (SOC x SOC x FIPT) 4x4x1-1/2
402-420	Reducing Tee (SOC x SOC x FIPT) 4x4x2
402-422	Reducing Tee (SOC x SOC x FIPT) 4x4x3
402-525	Reducing Tee (SOC x SOC x FIPT) 6x6x1
402-528	Reducing Tee (SOC x SOC x FIPT) 6x6x2
402-530	Reducing Tee (SOC x SOC x FIPT) 6x6x3
402-532	Reducing Tee (SOC x SOC x FIPT) 6x6x4
405-005	Tee (FIPT x FIPT x FIPT) 1/2
405-007	Tee (FIPT x FIPT x FIPT) 3/4
405-010	Tee (FIPT x FIPT x FIPT) 1
405-012	Tee (FIPT x FIPT x FIPT) 1-1/4
405-015	Tee (FIPT x FIPT x FIPT) 1-1/2
405-020	Tee (FIPT x FIPT x FIPT) 2
406-053	90° Reducing Ell (SOC x SOC) 3/8x1/2
406-166	90° Reducing Ell (SOC x SOC) 1-1/4x1/2
406-167	90° Reducing Ell (SOC x SOC) 1-1/4x3/4
406-209	90° Reducing Ell (SOC x SOC) 1-1/2x1/2
406-250	90° Reducing Ell (SOC x SOC) 2x1-1/4
406-292	90° Reducing Ell (SOC x SOC) 2-1/2x2
407-012	90° Ell (SOC x FIPT) 1-1/4
407-015	90° Ell (SOC x FIPT) 1-1/2
407-020	90° Ell (SOC x FIPT) 2
407-025	90° Ell (SOC x FIPT) 2-1/2
407-030	90° Ell (SOC x FIPT) 3
407-040	90° Ell (SOC x FIPT) 4
407-101	90° Reducing Ell (SOC x FIPT) 3/4x1/2

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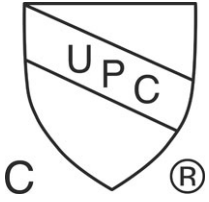
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Model Number	Description
407-074	90° Reducing EII (SOC x FIPT) 1/2x3/4
407-130	90° Reducing EII (SOC x FIPT) 1x1/2
407-131	90° Reducing EII (SOC x FIPT) 1x3/4
407-168	90° Reducing EII (SOC x FIPT) 1-1/4x1
407-211	90° Reducing EII (SOC x FIPT) 1-1/2x1
407-249	90° Reducing EII (SOC x FIPT) 2x1
407-251	90° Reducing EII (SOC x FIPT) 2x1-1/2
408-005	90° EII (FIPT x FIPT) 1/2
408-007	90° EII (FIPT x FIPT) 3/4
408-010	90° EII (FIPT x FIPT) 1
408-012	90° EII (FIPT x FIPT) 1-1/4
408-015	90° EII (FIPT x FIPT) 1-1/2
408-020	90° EII (FIPT x FIPT) 2
409-025	90° Street EII (SPIG x SOC) 2-1/2
409-030	90° Street EII (SPIG x SOC) 3
409-040	90° Street EII (SPIG x SOC) 4
409-060	90° Street EII (SPIG x SOC) 6
410-101	Reducing 90° Street EII (MIPT x SOC) 3/4x1/2
410-102	Reducing 90° Street EII (MIPT x SOC) 3/4x1
412-005	90° Street EII (MIPT x FIPT) 1/2
412-007	90° Street EII (MIPT x FIPT) 3/4
412-010	90° Street EII (MIPT x FIPT) 1
412-012	90° Street EII (MIPT x FIPT) 1-1/4
412-015	90° Street EII (MIPT x FIPT) 1-1/2
412-020	90° Street EII (MIPT x FIPT) 2
414-130	Side Outlet EII (SOC x SOC x FIPT) 1x1x1/2
414-005	Side Outlet EII (SOC x SOC x FIPT) 1/2
414-101	Side Outlet EII (SOC x SOC x FIPT) 3/4x3/4x1/2
420-025	Cross (SOC x SOC x SOC x SOC) 2-1/2

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: December 2024

File Number: 7531

Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

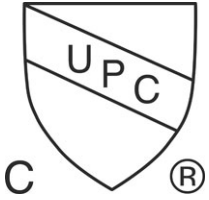
Void After: December 2029

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

Model Number	Description
420-030	Cross (SOC x SOC x SOC x SOC) 3
420-040	Cross (SOC x SOC x SOC x SOC) 4
420-060	Cross (SOC x SOC x SOC x SOC) 6
420-101	Reducing Cross (SOC x SOC x SOC x SOC) 3/4x3/4x1/2x1/2
420-249	Reducing Cross (SOC x SOC x SOC x SOC) 2x2x1x1
420-251	Reducing Cross (SOC x SOC x SOC x SOC) 2x2x1-1/2x1-1/2
420-420	Reducing Cross (SOC x SOC x SOC x SOC) 4x4x2x2
420-422	Reducing Cross (SOC x SOC x SOC x SOC) 4x4x3x3
420-528	Reducing Cross (SOC x SOC x SOC x SOC) 6x6x2x2
420-532	Reducing Cross (SOC x SOC x SOC x SOC) 6x6x4x4
429-421	Reducing Coupling (SOC x SOC) 4x2-1/2
429-528	Reducing Coupling (SOC x SOC) 6x2
429-530	Reducing Coupling (SOC x SOC) 6x3
429-168E	Eccentric Reducer Coupling (SOC x SOC) 1-1/4x1
429-212E	Eccentric Reducer Coupling (SOC x SOC) 1-1/2x1-1/4
429-251E	Eccentric Reducer Coupling (SOC x SOC) 2x1-1/2
429-292E	Eccentric Reducer Coupling (SOC x SOC) 2-1/2x2
429-338E	Eccentric Reducer Coupling (SOC x SOC) 3x2
429-420E	Eccentric Reducer Coupling (SOC x SOC) 4x2
429-421E	Eccentric Reducer Coupling (SOC x SOC) 4x2-1/2
429-422E	Eccentric Reducer Coupling (SOC x SOC) 4x3
429-528E	Eccentric Reducer Coupling (SOC x SOC) 6x2
429-530E	Eccentric Reducer Coupling (SOC x SOC) 6x3
429-532E	Eccentric Reducer Coupling (SOC x SOC) 6x4
430-005	Coupling (FIPT x FIPT) 1/2
430-007	Coupling (FIPT x FIPT) 3/4
430-010	Coupling (FIPT x FIPT) 1
430-012	Coupling (FIPT x FIPT) 1-1/4
430-101	Reducing Coupling (FIPT x FIPT) 3/4x1/2

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Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

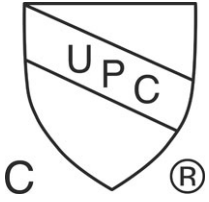
Void After: December 2029

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Model Number	Description
435-030	Female Adapter (SOC x FIPT) 3
435-040	Female Adapter (SOC x FIPT) 4
435-072	Reducing Female Adapter (SOC x FIPT) 1/2x1/4
435-073	Reducing Female Adapter (SOC x FIPT) 1/2x3/8
435-101	Reducing Female Adapter (SOC x FIPT) 3/4x1/2
435-102	Reducing Female Adapter (SOC x FIPT) 3/4x1
435-130	Reducing Female Adapter (SOC x FIPT) 1x1/2
435-131	Reducing Female Adapter (SOC x FIPT) 1x3/4
435-133	Reducing Female Adapter (SOC x FIPT) 1x1-1/2
435-168	Reducing Female Adapter (SOC x FIPT) 1-1/4x1
436-010	Male Adapter (Mipt x SOC) 1
436-030	Male Adapter (Mipt x SOC) 3
436-040	Male Adapter (Mipt x SOC) 4
436-060	Male Adapter (Mipt x SOC) 6
436-053	Reducing Male Adapter (SOC x MIPT) 3/8x1/2
436-073	Reducing Male Adapter (SOC x MIPT) 1/2x3/8
436-168	Reducing Male Adapter (SOC x MIPT) 1-1/4x1
436-169	Reducing Male Adapter (SOC x MIPT) 1-1/4x1-1/2
436-212	Reducing Male Adapter (SOC x MIPT) 1-1/2x1-1/4
436-213	Reducing Male Adapter (SOC x MIPT) 1-1/2x2
436-251	Reducing Male Adapter (SOC x MIPT) 2x1-1/2
436-342	Reducing Male Adapter (SOC x MIPT) 3x4
461-005	Male Adapter (take off) (SPIG x MIPT) 1/2
461-007	Male Adapter (take off) (SPIG x MIPT) 3/4
461-010	Male Adapter (take off) (SPIG x MIPT) 1
461-015	Male Adapter (take off) (SPIG x MIPT) 1-1/2
461-020	Male Adapter (take off) (SPIG x MIPT) 2
439-052	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 3/8x1/4
439-072	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1/2x1/4

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Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

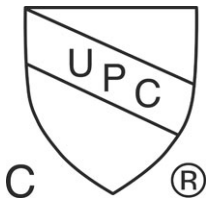
Void After: December 2029

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Model Number	Description
439-098	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 3/4x1/4
439-099	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 3/4x3/8
439-101	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 3/4x1/2
439-128	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1x1/4
439-130	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1x1/2
439-131	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1x3/4
439-166	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/4x1/2
439-167	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/4x3/4
439-168	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/4x1
439-209	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/2x1/2
439-210	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/2x3/4
439-211	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/2x1
439-212	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 1-1/2x1-1/4
439-248	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 2x3/4
439-249	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 2x1
439-251	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 2x1-1/2
439-338	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 3x2
439-422	Reducing T.T. Bushing Flush Style (FIPT x MIPT) 4x3
437-072	Reducing Bushing Flush Style (SPIG x SOC) 1/2x1/4
437-073	Reducing Bushing Flush Style (SPIG x SOC) 1/2x3/8
437-338	Reducing Bushing Flush Style (SPIG x SOC) 3x2
437-339	Reducing Bushing Flush Style (SPIG x SOC) 3x2-1/2
437-420	Reducing Bushing Flush Style (SPIG x SOC) 4x2
437-422	Reducing Bushing Flush Style (SPIG x SOC) 4x3
437-528	Reducing Bushing Flush Style (SPIG x SOC) 6x2
437-530	Reducing Bushing Flush Style (SPIG x SOC) 6x3
437-532	Reducing Bushing Flush Style (SPIG x SOC) 6x4
438-052	Reducing Bushing Flush Style (SPIG x FIPT) 3/8x1/4
438-072	Reducing Bushing Flush Style (SPIG x FIPT) 1/2x1/4

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: December 2024

File Number: 7531

Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

Void After: December 2029

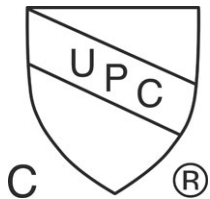
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Model Number	Description
438-098	Reducing Bushing Flush Style (SPIG x FIPT) 3/4x1/4
438-129	Reducing Bushing Flush Style (SPIG x FIPT) 1x3/8
438-207	Reducing Bushing Flush Style (SPIG x FIPT) 1-1/2x1/4
438-245	Reducing Bushing Flush Style (SPIG x FIPT) 2x1/4
438-247	Reducing Bushing Flush Style (SPIG x FIPT) 2x1/2
438-248	Reducing Bushing Flush Style (SPIG x FIPT) 2x3/4
438-249	Reducing Bushing Flush Style (SPIG x FIPT) 2x1
438-250	Reducing Bushing Flush Style (SPIG x FIPT) 2x1-1/4
438-251	Reducing Bushing Flush Style (SPIG x FIPT) 2x1-1/2
438-338	Reducing Bushing Flush Style (SPIG x FIPT) 3x2
438-420	Reducing Bushing Flush Style (SPIG x FIPT) 4x2
438-422	Reducing Bushing Flush Style (SPIG x FIPT) 4x3
438-528	Reducing Bushing Flush Style (SPIG x FIPT) 6x2
438-530	Reducing Bushing Flush Style (SPIG x FIPT) 6x3
438-532	Reducing Bushing Flush Style (SPIG x FIPT) 6x4
448-025	Cap (FIPT) 2-1/2
448-030	Cap (FIPT) 3
448-040	Cap (FIPT) 4
448-060	Cap (FIPT) 6
449-060	Plug (SPIG) 6
450-003	Plug (MIPT) 3/8
450-060	Plug (MIPT) 6
434-005	Riser Extension (FIPT x MIPT) 1/2
434-007	Riser Extension (FIPT x MIPT) 3/4

Prefixes: 1)	Figure numbers may have one of the following optional prefixes used to identify retail packaging requirements
URP	
U	
UTP	

IAPMO RESEARCH AND TESTING, INC.

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Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings,
Schedule 40

Void After: December 2029

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Prefixes: 1) **Figure numbers may have one of the following optional prefixes used to identify retail packaging requirements**

USP
UPP
UP
UMP
UHP
UBP
PP
MPP
RP
MRP
RLN
LN
RS
MRR
RL
CPRLN
RLR

Prefixes: 2) **Figure numbers may have one of the following optional prefixes used to identify retail packaging requirements**

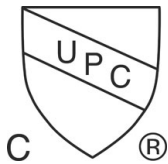
R

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of 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/or 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.

Issued To:

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO., LTD

LIANSU INDUSTRIAL ESTATE LONGJIANG TOWN SHUNDE ZONE FOSHAN, GD 528318, GUANGDONG, CHINA

Product:

Polyvinyl (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings

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

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

Products are certified to the following standard(s)

ASTM D2665-2024 and CSA B181.2-2018

File Number: 9267

Revised Date: November 5, 2024

Effective Date: July 2024

Void After: July 2029*


Chairman, Product Certification Committee



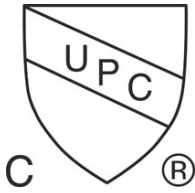

Chief Technical Service Officer

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

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



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: July 2024

File Number: 9267

Revised Date: November 5, 2024

Product: Polyvinyl (PVC) Plastic Drain, Waste, and Vent
Pipe and Fittings

Void After: July 2029

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Identification:

The pipe shall be permanently marked at intervals of not more than 5ft. (1.5 m) with letter of not less than 3/16in (5 mm) high in a contrasting color with the following: manufacturer's name or trademark, "ASTM D2665" nominal size, and "PVC DWV".

Fittings shall be marked on the body or hub with the manufacturer's name or trademark, or both, and the symbol "PVC". The product shall bear the cUPC® certification mark. Fittings shall also be marked with the CSA Standard designation CSA B181.1. However, it may be replaced with the legend "DWV". Fittings may also be marked with the nominal size. Markings on fittings shall be permanent or indelible in legible letters and numerals and of a color that contrasts with the color of the fitting when printed markings are used. Markings molded onto the exterior surface, preferably on the body or the hub, or a permanent stick-on label shall be acceptable. Markings on fabricated fittings shall include a description of the fitting configuration (e.g., 90° elbow, 45° wye) and be marked with the following: "FABRICATED FITTING*" or "FAB FTG"

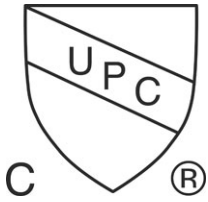
Characteristics:

These fittings are made from polyvinyl chloride (PVC) compound manufactured to ASTM specifications. They are gray, ivory or white in color and are to be used with IAPMO listed pipe, primers and solvent cements. Installation shall comply with the requirements of 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.

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



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INDUSTRIAL CO., LTD

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Revised Date: November 5, 2024

Product: Polyvinyl (PVC) Plastic Drain, Waste, and Vent
Pipe and Fittings

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Models

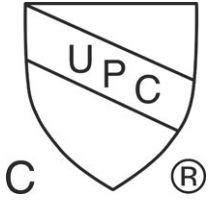
Brand: LESSO®

Note: Models preceded by an asterisk (*) are for vent only.

Model Number	Description
LP100-012	COUPLING (H × H)1-1/4"
LP100-015	COUPLING (H × H)1-1/2"
LP100-020	COUPLING (H × H)2"
LP100-030	COUPLING (H × H)3"
LP100-040	COUPLING (H × H)4"
LP100-060	COUPLING (H × H)6"
LP100-080	COUPLING (H × H)8"
LP100-100	COUPLING (H × H)10"
LP100-120	COUPLING (H × H)12"
LP101-012	FEMALE ADAPTER (FPT × H)1-1/4"
LP101-015	FEMALE ADAPTER (FPT × H)1-1/2"
LP101-020	FEMALE ADAPTER (FPT × H)2"
LP101-030	FEMALE ADAPTER (FPT × H)3"
LP101-040	FEMALE ADAPTER (FPT × H)4"
LP101-060	FEMALE ADAPTER (FPT × H)6"
LP101-080	FEMALE ADAPTER (FPT × H)8"
LP101-212	REDUCING FEMALE ADAPTER (H × FPT) 1-1/2×1-1/4"
LP102-212	PIPE INCREASER-REDUCER (H × H)1-1/2×1-1/4"
LP102-251	PIPE INCREASER-REDUCER (H × H)2×1-1/2"
LP102-337	PIPE INCREASER-REDUCER (H × H)3×1-1/2"
LP102-338	PIPE INCREASER-REDUCER (H × H)3×2"
LP102-419	PIPE INCREASER-REDUCER (H × H)4×1-1/2"
LP102-420	PIPE INCREASER-REDUCER (H × H)4×2"
LP102-422	PIPE INCREASER-REDUCER (H × H)4×3"
LP102-532	PIPE INCREASER-REDUCER (H × H)6×4"

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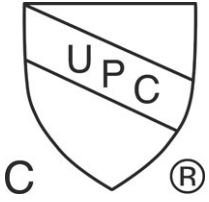
Void After: July 2029

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Model Number	Description
LP102-582	PIPE INCREASER-REDUCER (H × H)8×4"
LP102-585	PIPE INCREASER-REDUCER (H × H)8×6"
LP102-624	PIPE INCREASER-REDUCER (H × H)10×4"
LP102-626	PIPE INCREASER-REDUCER (H × H)10×6"
LP102-628	PIPE INCREASER-REDUCER (H × H)10×8"
LP102-668	PIPE INCREASER-REDUCER (H × H)12×8"
LP102-670	PIPE INCREASER-REDUCER (H × H)12×10"
LP103-012	TRAP ADAPTER-MALE (S × SLIP)1-1/4"
LP103-015	TRAP ADAPTER-MALE (S × SLIP)1-1/2"
LP103-020	TRAP ADAPTER-MALE (S × SLIP)2"
LP103-030	TRAP ADAPTER-MALE (S × SLIP)3"
LP103-212	TRAP ADAPTER-MALE (S × SLIP)1-1/2×1-1/4"
LP103P-012	TRAP ADAPTER-MALE W/PLASTIC NUT (S × SLIP)1-1/4"
LP103P-015	TRAP ADAPTER-MALE W/PLASTIC NUT (S × SLIP)1-1/2"
LP103P-020	TRAP ADAPTER-MALE W/PLASTIC NUT (S × SLIP)2"
LP103P-212	TRAP ADAPTER-MALE W/PLASTIC NUT (S × SLIP)1-1/2×1-1/4"
LP103R-015	TRAP ADAPTER-MALE W/ 1-1/2 PLASTIC NUT & WASHER AND 1-1/2 & 1-1/4 WASHER (S × SLIP)1-1/2"
LP103X-012	TRAP ADAPTER-MALE W/PLASTIC NUT & WASHER(S×SLIP)1-1/4"
LP103X-015	TRAP ADAPTER-MALE W/PLASTIC NUT & WASHER(S×SLIP)1-1/2"
LP103X-020	TRAP ADAPTER-MALE W/PLASTIC NUT & WASHER(S×SLIP)2"
LP103X-212	TRAP ADAPTER-MALE W/PLASTIC NUT & WASHER(S×SLIP)1-1/2×1-1/4"
LP103W-015	TRAP ADAPTER-MALE W/CHROME NUT & WASHER (S × SLIP)-1/2"
LP103W-212	TRAP ADAPTER-MALE W/CHROME NUT & WASHER (S × SLIP) 1-1/2×1-1/4"
LP104-012	TRAP ADAPTER - FEMALE (H × SLIP) 1-1/4"
LP104-015	TRAP ADAPTER - FEMALE (H × SLIP) 1-1/2"
LP104-020	TRAP ADAPTER - FEMALE (H × SLIP) 2"
LP104-212	TRAP ADAPTER - FEMALE (H × SLIP) 1-1/2×1-1/4"
LP104P-012	TRAP ADAPTER - FEMALE W/PLASTIC NUT(H × SLIP) 1-1/4"
LP104P-015	TRAP ADAPTER - FEMALE W/PLASTIC NUT(H × SLIP) 1-1/2"

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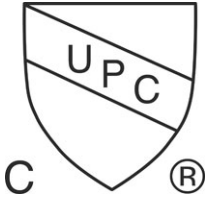
Void After: July 2029

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Model Number	Description
LP104P-020	TRAP ADAPTER - FEMALE W/PLASTIC NUT(H × SLIP) 2"
LP104P-212	TRAP ADAPTER - FEMALE W/PLASTIC NUT(H × SLIP) 1-1/2"×1-1/4"
LP104R-015	1-1/2" TRAP ADAPTER - FEMALE W/1-1/2" PLASTIC NUT & WASHER AND 1-1/2"×1-1/4" WASHER(H × SLIP)
LP104X-012	TRAP ADAPTER-FEMALE W/PLASTIC NUT & WASHER (H × SLIP) 1-1/4"
LP104X-015	TRAP ADAPTER-FEMALE W/PLASTIC NUT & WASHER (H × SLIP) 1-1/2"
LP104X-020	TRAP ADAPTER-FEMALE W/PLASTIC NUT & WASHER (H × SLIP)2"
LP104X-212	TRAP ADAPTER-FEMALE W/PLASTIC NUT & WASHER (H × SLIP)1-1/2×1-1/4"
LP104B-212	TRAP ADAPTER-FEMALE W/BRASS NUT(H X SLIP)1-1/2×1-1/4"
LP104W-015	TRAP ADAPTER-FEMALE W/CHROME NUT & WASHER (H × SLIP)1-1/2"
LP104W-020	TRAP ADAPTER-FEMALE W/CHROME NUT & WASHER (H × SLIP)2"
LP104W-212	TRAP ADAPTER-FEMALE W/CHROME NUT & WASHER (H × SLIP)1-1/2"×1-1/4"
LP105-012	FITTING CLEANOUT ADAPTER (S × FPT)1-1/4"
LP105-015	FITTING CLEANOUT ADAPTER (S × FPT)1-1/2"
LP105-020	FITTING CLEANOUT ADAPTER (S × FPT)2"
LP105-030	FITTING CLEANOUT ADAPTER (S × FPT)3"
LP105-040	FITTING CLEANOUT ADAPTER (S × FPT)4"
LP105-060	FITTING CLEANOUT ADAPTER (S × FPT)6"
LP105X-012	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)1-1/4"
LP105X-015	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)1-1/2"
LP105X-020	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)2"
LP105X-030	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)3"
LP105X-040	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)4"
LP105X-060	FITTING CLEANOUT ADAPTER W/ C.O. PLUG (S × FPT)6"
LP106-012	CLEANOUT PLUG(MPT) 1-1/4"
LP106-015	CLEANOUT PLUG(MPT) 1-1/2"
LP106-020	CLEANOUT PLUG(MPT) 2"
LP106-030	CLEANOUT PLUG(MPT) 3"
LP106-040	CLEANOUT PLUG(MPT) 4"
LP106-060	CLEANOUT PLUG(MPT) 6"

IAPMO RESEARCH AND TESTING, INC.

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Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

File Number: 9267

Product: Polyvinyl (PVC) Plastic Drain, Waste, and Vent
Pipe and Fittings

Effective Date: July 2024

Revised Date: November 5, 2024

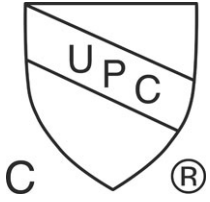
Void After: July 2029

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Model Number	Description
LP106-080	CLEANOUT PLUG(MPT) 8"
LP106R-015	CLEANOUT PLUG W/GASKET(MPT) 1-1/2"
LP106R-020	CLEANOUT PLUG W/GASKET(MPT) 2"
LP106R-030	CLEANOUT PLUG W/GASKET(MPT) 3"
LP106R-040	CLEANOUT PLUG W/GASKET(MPT) 4"
LP106R-060	CLEANOUT PLUG W/GASKET(MPT) 6"
LP107-212	FLUSH BUSHING (S × H)1-1/2×1-1/4"
LP107-250	FLUSH BUSHING (S × H)2×1-1/4"
LP107-251	FLUSH BUSHING (S × H)2×1-1/2"
LP107-337	FLUSH BUSHING (S × H)3×1-1/2"
LP107-338	FLUSH BUSHING (S × H)3×2"
LP107-420	FLUSH BUSHING (S × H)4×2"
LP107-422	FLUSH BUSHING (S × H)4×3"
LP107-530	FLUSH BUSHING (S × H)6×3"
LP107-532	FLUSH BUSHING (S × H)6×4"
LP107-582	FLUSH BUSHING (S × H)8×4"
LP107-585	FLUSH BUSHING (S × H)8×6"
LP107-626	FLUSH BUSHING (S × H)10×6"
LP107-628	FLUSH BUSHING (S × H)10×8"
LP107-666	FLUSH BUSHING (S × H)12×6"
LP107-668	FLUSH BUSHING (S × H)12×8"
LP107-670	FLUSH BUSHING (S × H)12×10"
LP108-209	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)1-1/2×1/2"
LP108-210	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)1-1/2×3/4"
LP108-212	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)1-1/2×1-1/4"
LP108-251	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)2×1-1/2"
LP108-337	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)3×1-1/2"
LP108-338	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)3×2"
LP108-628	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)10×8"

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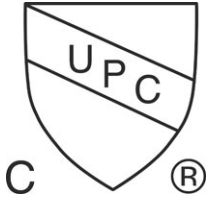
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Model Number	Description
LP108-668	REDUCER BUSHING(DISHWASHER BUSHING) (S×FPT)12×8"
LP109-012	MALE ADAPTER (MPT × H) 1-1/4"
LP109-015	MALE ADAPTER (MPT × H) 1-1/2"
LP109-020	MALE ADAPTER (MPT × H) 2"
LP109-030	MALE ADAPTER (MPT × H) 3"
LP109-040	MALE ADAPTER (MPT × H) 4"
LP109-060	MALE ADAPTER (MPT × H) 6"
LP109-169	MALE ADAPTER (MPT × H) 1-1/4×1-1/2"
LP110-020	FLUSH C.O. PLUG(MPT)2"
LP110-030	FLUSH C.O. PLUG(MPT)3"
LP110-040	FLUSH C.O. PLUG(MPT)4"
LP110S-015	PLUG SLIP (S) 1-1/2"
LP110S-020	PLUG SLIP (S) 2"
LP111-212	FLUSH ADAPTER (S × FPT)1-1/2"×1-1/4"
LP111-251	FLUSH ADAPTER (S × FPT)2"×1-1/2"
LP111-337	FLUSH ADAPTER (S × FPT)3"×1-1/2"
LP111-338	FLUSH ADAPTER (S × FPT)3×2"
LP116-015	CAP (SOC) 1-1/2"
LP116-020	CAP (SOC) 2"
LP116-030	CAP (SOC) 3"
LP116-040	CAP (SOC) 4"
LP116-060	CAP (SOC) 6"
LP116-080	CAP (SOC) 8"
LP116-100	CAP (SOC) 10"
LP116-120	CAP (SOC) 12"
LP117-030	ADAPTER COUPLING (H × H)3"
LP117-040	ADAPTER COUPLING (H × H)4"
LP117-422	ADAPTER COUPLING (H × H)4×3"
LP117S-030	ADAPTER , SCHEDULE 40 TO SCHEDULE 30 (H X H)3"

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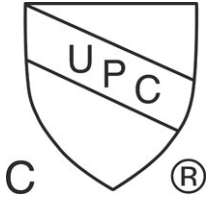
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Model Number	Description
LP117X-422	ADAPTER COUPLING (S/D S×DWV H) 4×3"
LP118-020	ADAPTER BUSHING (DWV SPIGOT × HUB)2"
LP118-030	ADAPTER BUSHING (DWV SPIGOT × HUB)3"
LP118-040	ADAPTER BUSHING (DWV SPIGOT × HUB)4"
LP118-060	ADAPTER BUSHING (DWV SPIGOT × HUB)6"
LP119-015	NO-HUB ADAPTER (S × H) 1-1/2"
LP119-020	NO-HUB ADAPTER (S × H) 2"
LP119-030	NO-HUB ADAPTER (S × H) 3"
LP119-040	NO-HUB ADAPTER (S × H) 4"
LP119-251	NO-HUB ADAPTER (S × H) 2×1-1/2"
LP119-422	NO-HUB ADAPTER (S × H) 4×3"
LP122-020	SPIGOT ADAPTER, CAST IRON (CI H X DWV H) 2"
LP122-040	SPIGOT ADAPTER, CAST IRON (CI H X DWV H)4"
LP123-020	HUB ADAPTER (H×S)2"
LP123-030	HUB ADAPTER (H×S)3"
LP123-040	HUB ADAPTER (H×S)4"
LP123-213	HUB ADAPTER (H × S) 1-1/2×2"
LP123-253	HUB ADAPTER (H × S) 2×3
LP123-342	HUB ADAPTER (H × S) 3×4"
LP123R-251	HUB ADAPTER, CAST IRON, INCREASER (CI S×DWV H)2"×1-1/2"
LP123R-337	HUB ADAPTER, CAST IRON, INCREASER (CI S×DWV H)3"×1-1/2"
LP123R-338	HUB ADAPTER, CAST IRON, INCREASER (CI S×DWV H)3"×2"
LP123R-422	HUB ADAPTER, CAST IRON, INCREASER (CI S×DWV H)4"×3"
LP125-020	ADAPTER, SOIL PIPE (H X H)2"
LP125-030	ADAPTER, SOIL PIPE (H X H)3"
LP125-040	ADAPTER, SOIL PIPE (H X H)4"
LP128-015	TRAP ADAPTER PLUG(H X NPSM THREAD)1-1/2"
LP129-015	TRAP ADAPTER PLUG(S X NPSM THREAD)1-1/2"
LP130-015	REPAIR COUPLING (H × H)1-1/2"

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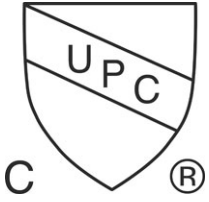
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Model Number	Description
LP130-020	REPAIR COUPLING (H × H)2"
LP130-030	REPAIR COUPLING (H × H)3"
LP130-040	REPAIR COUPLING (H × H)4"
LP130-060	REPAIR COUPLING (H × H)6"
LP300-012	1/4 BEND (H × H) 1-1/4"
LP300-015	1/4 BEND (H × H) 1-1/2"
LP300-020	1/4 BEND (H × H) 2"
LP300-030	1/4 BEND (H × H) 3"
LP300-040	1/4 BEND (H × H) 4"
LP300-060	1/4 BEND (H × H) 6"
LP300-080	1/4 BEND (H × H) 8"
LP300-100	1/4 BEND (H × H) 10"
LP300-120	1/4 BEND (H × H) 12"
LP300-015S	90degree ELBOW-SHORT TURN (H × H) 1-1/2"
LP300-020S	90degree ELBOW-SHORT TURN (H × H) 2"
LP300-030S	90degree ELBOW-SHORT TURN (H × H) 3"
LP300R-251	1/4 BEND, REDUCING (H × H) 2×1-1/2"
*LP300S-337	1/4 BEND WITH SIDE INLET(ALL HUB)3×3×1-1/2"
*LP300S-338	1/4 BEND WITH SIDE INLET(ALL HUB) 3×3×2"
LP301-030	1/4 BEND(H X FIPT)3"
LP302-012	1/4 BEND, STREET (S × H)1-1/4"
LP302-015	1/4 BEND, STREET (S × H)1-1/2"
LP302-020	1/4 BEND, STREET (S × H)2"
LP302-030	1/4 BEND, STREET (S × H)3"
LP302-040	1/4 BEND, STREET (S × H)4"
LP302-060	1/4 BEND, STREET (S × H)6"
LP302-080	1/4 BEND, STREET (S × H)8"
LP302-020S	90degreeELBOW-SHORT TURN (H× S)2"
LP303-337	1/4 BEND W/ LOW HEEL INLET (H × H × H) 3×3×1-1/2"

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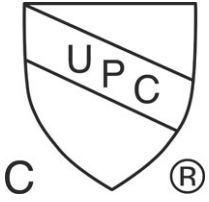
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Model Number	Description
LP303-338	1/4 BEND W/ LOW HEEL INLET (H × H × H) 3×3×2"
LP303-420	1/4 BEND W/ LOW HEEL INLET (H × H × H) 4×4×2"
LP304-015	LONG SWEEP 1/4 BEND (H × H)1-1/2"
LP304-020	LONG SWEEP 1/4 BEND (H × H)2"
LP304-030	LONG SWEEP 1/4 BEND (H × H)3"
LP304-040	LONG SWEEP 1/4 BEND (H × H)4"
LP304-060	LONG SWEEP 1/4 BEND (H × H)6"
LP305-060	11-1/4degree ELBOW(H×H)6"
LP306-060	11-1/4degree ELBOW (S× H) 6"
LP307-337	LONG SWEEP 1/4 BEND W/LOW HEEL INLET (ALL HUB) 3×3×1-1/2"
LP307-338	LONG SWEEP 1/4 BEND W/LOW HEEL INLET (ALL HUB) 3×3×2"
LP308-337	LONG SWEEP 1/4 BEND W/HIGH HEEL INLET (ALL HUB) 3×3×1-1/2"
LP308-338	LONG SWEEP 1/4 BEND W/HIGH HEEL INLET (ALL HUB) 3×3×2"
LP309-015	LONG SWEEP 1/4 BEND, STREET (H × S)1-1/2"
LP309-020	LONG SWEEP 1/4 BEND, STREET (H × S)2"
LP309-030	LONG SWEEP 1/4 BEND, STREET (H × S)3"
LP309-040	LONG SWEEP 1/4 BEND, STREET (H × S)4"
LP310-338	1/4 BEND, STREET W/ LOW HEEL INLET (H × S × H) 3×3×2"
*LP311-338	LONG SWEEP 1/4 BEND W/SIDE INLET (ALL×HUB) 3×3×2"
LP319-015	1/6 BEND (H × H)1-1/2"
LP319-020	1/6 BEND (H × H)2"
LP319-030	1/6 BEND (H × H)3"
LP319-040	1/6 BEND (H × H)4"
LP319-060	1/6 BEND (H × H)6"
LP320-015	1/6 BEND, STREET (H × S)1-1/2"
LP320-020	1/6 BEND, STREET (H × S)2"
LP320-030	1/6 BEND, STREET (H × S)3"
LP320-040	1/6 BEND, STREET (H × S)4"
LP321-012	1/8 BEND (H × H) 1-1/4"

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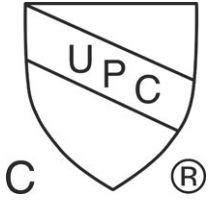
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Model Number	Description
LP321-015	1/8 BEND (H × H) 1-1/2"
LP321-020	1/8 BEND (H × H) 2"
LP321-030	1/8 BEND (H × H) 3"
LP321-040	1/8 BEND (H × H) 4"
LP321-060	1/8 BEND (H × H) 6"
LP321-080	1/8 BEND (H × H) 8"
LP321-100	1/8 BEND (H × H) 10"
LP321-120	1/8 BEND (H × H) 12"
LP321-015S	45degree ELBOW-SHORT TURN (H×H)1-1/2"
LP323-012	1/8 BEND, STREET (H × S)1-1/4"
LP323-015	1/8 BEND, STREET (H × S)1-1/2"
LP323-020	1/8 BEND, STREET (H × S)2"
LP323-030	1/8 BEND, STREET (H × S)3"
LP323-040	1/8 BEND, STREET (H × S)4"
LP323-060	1/8 BEND, STREET (H × S)6"
LP323-080	1/8 BEND, STREET (H × S)8"
LP323-100	1/8 BEND, STREET (H × S)10"
LP323-120	1/8 BEND, STREET (H × S)12"
LP323-015S	45degree ELBOW-SHORT TURN (H×S) 1-1/2"
LP324-015	1/16 BEND (H × H)1-1/2"
LP324-020	1/16 BEND (H × H)2"
LP324-030	1/16 BEND (H × H)3"
LP324-040	1/16 BEND (H × H)4"
LP324-060	1/16 BEND (H × H)6"
LP324-080	1/16 BEND (H × H)8"
LP324-100	1/16 BEND (H × H)10"
LP324-120	1/16 BEND (H × H)12"
LP324-015S	22-1/2degree ELBOW-SHORT TURN (H×H) 1-1/2"
LP326-015	1/16 BEND, STREET (H × S)1-1/2"

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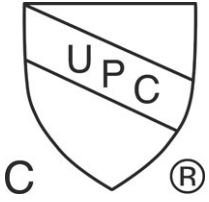
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Model Number	Description
LP326-020	1/16 BEND, STREET (H × S)2"
LP326-030	1/16 BEND, STREET (H × S)3"
LP326-040	1/16 BEND, STREET (H × S)4"
LP326-060	1/16 BEND, STREET (H × S)6"
LP327-015	DOUBLE 1/4 BEND (H × H × H)1-1/2"
LP327-020	DOUBLE 1/4 BEND (H × H × H)2"
LP327-030	DOUBLE 1/4 BEND (H × H × H)3"
LP327-040	DOUBLE 1/4 BEND (H × H × H)4"
LP327-241	DOUBLE 1/4 BEND (H × H × H)2×1-1/2×1-1/2"
LP329-342	CLOSET BEND, REDUCING(H × H)3×4 "
LP330-342	CLOSET BEND, STREET, REDUCING(H × S)3×4"
LP330X-342	CLOSET BEND STREET, REDUCING W/TEST CAP(S × H)3×4"
LP331-012	VENT ELL (H × H) 1-1/4"
LP331-015	VENT ELL (H × H) 1-1/2"
LP331-020	VENT ELL (H × H) 2"
LP331-030	VENT ELL (H × H) 3"
LP331-040	VENT ELL (H × H) 4"
LP331-060	VENT ELL (H × H) 6"
LP333-012	VENT ELL, STREET (H × S)1-1/4"
LP333-015	VENT ELL, STREET (H × S)1-1/2"
LP333-020	VENT ELL, STREET (H × S)2"
LP333-030	VENT ELL, STREET (H × S)3"
LP333-040	VENT ELL, STREET (H × S)4"
LP333-060	VENT ELL, STREET (H × S)6"
LP333-080	VENT ELL, STREET (H × S)8"
LP333-100	VENT ELL, STREET (H × S)10"
LP333-120	VENT ELL, STREET (H × S)12"
LP335-030	TRAP ELBOW(FOR USE WITH TRAPS ONLY)(H × S)3"
LP335-040	TRAP ELBOW(FOR USE WITH TRAPS ONLY)(H × S)4"

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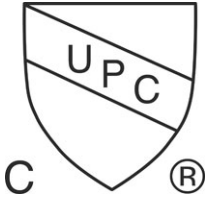
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Model Number	Description
LP400-012	SANITARY TEE (ALL HUB)1-1/4"
LP400-015	SANITARY TEE (ALL HUB)1-1/2"
LP400-020	SANITARY TEE (ALL HUB)2"
LP400-030	SANITARY TEE (ALL HUB)3"
LP400-040	SANITARY TEE (ALL HUB)4"
LP400-060	SANITARY TEE (ALL HUB)6"
LP400-080	SANITARY TEE (ALL HUB)8"
LP401-212	REDUCING SANITARY TEE(ALL HUB) 1-1/2×1-1/2×1-1/4"
LP401-241	REDUCING SANITARY TEE(ALL HUB) 2×1-1/2×1-1/2"
LP401-251	REDUCING SANITARY TEE(ALL HUB) 2×2×1-1/2"
LP401-257	REDUCING SANITARY TEE(ALL HUB) 2×1-1/2×2"
LP401-337	REDUCING SANITARY TEE(ALL HUB) 3×3×1-1/2"
LP401-338	REDUCING SANITARY TEE(ALL HUB) 3×3×2"
LP401-419	REDUCING SANITARY TEE(ALL HUB) 4×4×1-1/2"
LP401-420	REDUCING SANITARY TEE(ALL HUB) 4×4×2"
LP401-422	REDUCING SANITARY TEE(ALL HUB) 4×4×3"
LP401-528	REDUCING SANITARY TEE(ALL HUB) 6×6×2"
LP401-530	REDUCING SANITARY TEE(ALL HUB) 6×6×3"
LP401-532	REDUCING SANITARY TEE(ALL HUB) 6×6×4"
LP403-015	SANITARY TEE, STREET(S × H × H) 1-1/2"
LP403-020	SANITARY TEE, STREET(S × H × H) 2"
LP403-030	SANITARY TEE, STREET(S × H × H) 3"
LP403-040	SANITARY TEE, STREET(S × H × H) 4"
LP404-241	SANITARY TEE, STREET, REDUCING (S × H × H)2×1-1/2×1-1/2"
LP404-251	SANITARY TEE ,STREET, REDUCING (S×H×H)2×2×1-1/2"
LP404-257	SANITARY TEE, STREET, REDUCING (S × H × H)2×1-1/2×2"
LP404-337	SANITARY TEE, STREET, REDUCING (S × H × H)3×3×1-1/2"
LP404-338	SANITARY TEE, STREET, REDUCING (S × H × H)3×3×2"
LP404-420	SANITARY TEE, STREET, REDUCING (S × H × H) 4×4×2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: July 2024

File Number: 9267

Revised Date: November 5, 2024

Product: Polyvinyl (PVC) Plastic Drain, Waste, and Vent
Pipe and Fittings

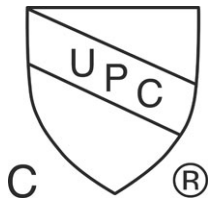
Void After: July 2029

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Model Number	Description
*LP416-337	SANITARY TEE W/ LEFT SIDE INLET (ALL HUB)3×3×3×1-1/2"
*LP416-338	SANITARY TEE W/ LEFT SIDE INLET (ALL HUB)3×3×3×2"
*LP416-420	SANITARY TEE W/ LEFT SIDE INLET (ALL HUB)4×4×4×2"
*LP417-337	SANITARY TEE W/ RIGHT SIDE INLET (ALL HUB)3×3×3×1-1/2"
*LP417-338	SANITARY TEE W/ RIGHT SIDE INLET (ALL HUB)3×3×3×2"
*LP417-420	SANITARY TEE W/ RIGHT SIDE INLET (ALL HUB)4×4×4×2"
*LP418-337	SANITARY TEE W/ R & L SIDE INLETS (ALL HUB)3×3×3×1-1/2"×1-1/2"
*LP418-338	SANITARY TEE W/ R & L SIDE INLETS (ALL HUB)3×3×3×2"×2"
*LP418-419	SANITARY TEE W/ R & L SIDE INLETS (ALL HUB)4"×4"×4"×1-1/2"×1-1/2"
*LP418-420	SANITARY TEE W/ R & L SIDE INLETS (ALL HUB)4×4×4×2×2"
LP428-015	DOUBLE SANITARY TEE (ALL HUB)1-1/2"
LP428-020	DOUBLE SANITARY TEE (ALL HUB)2"
LP428-030	DOUBLE SANITARY TEE (ALL HUB)3"
LP428-040	DOUBLE SANITARY TEE (ALL HUB)4"
LP428-060	DOUBLE SANITARY TEE (ALL HUB)6"
LP429-251	DOUBLE SANITARY TEE, REDUCING(ALL HUB)2×2×1-1/2×1-1/2"
LP429-323	DOUBLE SANITARY TEE, REDUCING(ALL HUB)3×3×2×1-1/2"
LP429-337	DOUBLE SANITARY TEE, REDUCING(ALL HUB)3×3×1-1/2×1-1/2"
LP429-338	DOUBLE SANITARY TEE, REDUCING(ALL HUB)3×3×2×2"
LP429-419	DOUBLE SANITARY TEE, REDUCING(ALL HUB)4×4×1-1/2×1-1/2"
LP429-420	DOUBLE SANITARY TEE, REDUCING(ALL HUB)4×4×2×2"
LP429-422	DOUBLE SANITARY TEE, REDUCING(ALL HUB)4×4×3×3"
LP429-528	DOUBLE SANITARY TEE, REDUCING(ALL HUB)6×6×2×2"
LP429-530	DOUBLE SANITARY TEE, REDUCING(ALL HUB)6×6×3×3"
LP429-532	DOUBLE SANITARY TEE, REDUCING(ALL HUB)6×6×4×4"
LP431-338	DOUBLE SANITARY TEE, STREET, REDUCING (S × H × H × H) 3×3×2×2"
*LP438-337	DOUBLE SANITARY TEE ,W/SIDE INLET (ALL HUB)3×3×3×3×1-1/2"
*LP438-338	DOUBLE SANITARY TEE W/SIDE INLET (ALL HUB)3×3×3×3×2"
*LP438-420	DOUBLE SANITARY TEE W/SIDE INLET (ALL HUB)4×4×4×4×2"

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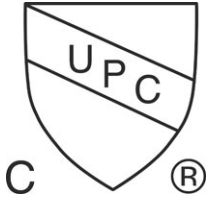
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Model Number	Description
*LP439-338	DOUBLE SANITARY TEE W/R & L SIDE INLETS (ALL HUB)3×3×3×2×2"
*LP439-420	DOUBLE SANITARY TEE W/R&L SIDE INLETS (ALL HUB)4×4×4×4×2×2"
LP441-015	VENT TEE (ALL HUB)1-1/2"
LP441-020	VENT TEE (ALL HUB)2"
LP441-030	VENT TEE (ALL HUB)3"
LP441-040	VENT TEE (ALL HUB)4"
LP441-060	VENT TEE (ALL HUB)6"
LP441-080	VENT TEE (ALL HUB)8"
LP441-100	VENT TEE (ALL HUB)10"
LP441-120	VENT TEE (ALL HUB)12"
LP444X-015	CLEANOUT TEE W/ C.O. PLUG (H × H)1-1/2"
LP444X-020	CLEANOUT TEE W/ C.O. PLUG (H × H)2"
LP444X-030	CLEANOUT TEE W/ C.O. PLUG (H × H)3"
LP444X-040	CLEANOUT TEE W/ C.O. PLUG (H × H)4"
LP444X-060	CLEANOUT TEE W/ C.O. PLUG (H × H)6"
LP444X-080	CLEANOUT TEE W/ C.O. PLUG (H × H)8"
LP444X-628	CLEANOUT TEE W/ C.O. PLUG (H × H)10×10×8"
LP444X-668	CLEANOUT TEE W/ C.O. PLUG (H × H)12×12×8"
LP445-015	FLUSH C.O. TEE (H × H × FPT)1-1/2"
LP445-020	FLUSH C.O. TEE (H × H × FPT)2"
LP445-030	FLUSH C.O. TEE (H × H × FPT)3"
LP445-040	FLUSH C.O. TEE (H × H × FPT)4"
LP445-060	FLUSH C.O. TEE (H × H × FPT)6"
LP445-080	FLUSH C.O. TEE (H × H × FPT)8"
LP445-628	FLUSH C.O. TEE (H × H × FPT)10×10×8"
LP445-668	FLUSH C.O. TEE (H × H × FPT)12×12×8"
LP445X-020	FLUSH C.O. TEE W/C.O. PLUG (H × H × FPT)2"
LP445X-030	FLUSH C.O. TEE W/C.O. PLUG (H × H × FPT)3"
LP445X-040	FLUSH C.O. TEE W/C.O. PLUG (H × H × FPT)4"

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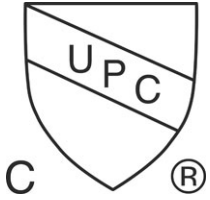
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Model Number	Description
LP447-337	HORIZONTAL TWIN TEE (ALL HUB)3×3×1-1/2×1-1/2"
LP448-030	2-WAY CLEANOUT (ALL HUB)3"
LP448-040	2-WAY CLEANOUT (ALL HUB)4"
LP500-020	DOUBLE FIXTURE FITTING (ALL HUB)2×2×2×2"
LP500-030	DOUBLE FIXTURE FITTING (ALL HUB)3×3×3×3"
LP500-241	DOUBLE FIXTURE FITTING (ALL HUB)2×1-1/2×1-1/2×1-1/2"
LP500-251	DOUBLE FIXTURE FITTING (ALL HUB)2×2×1-1/2×1-1/2"
LP500-257	DOUBLE FIXTURE FITTING (ALL HUB)2×1-1/2×2×2"
LP500-329	DOUBLE FIXTURE FITTING (ALL HUB)3×3×2×2"
LP500-338	DOUBLE FIXTURE FITTING (ALL HUB)3×2×3×3"
LP500-420	DOUBLE FIXTURE FITTING (ALL HUB)4×4×2×2"
LP501-015	COMBINATION WYE AND 1/8 BEND (ONE PIECE) (ALL HUB)1-1/2"
LP501-020	COMBINATION WYE AND 1/8 BEND (ONE PIECE) (ALL HUB)2"
LP501-030	COMBINATION WYE AND 1/8 BEND (ONE PIECE) (ALL HUB)3"
LP501-040	COMBINATION WYE AND 1/8 BEND (ONE PIECE) (ALL HUB)4"
LP502-241	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 2×1-1/2×1-1/2"
LP502-251	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 2×2×1-1/2"
LP502-257	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE)(ALL HUB) 2×1-1/2×2"
LP502-337	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 3×3×1-1/2"
LP502-338	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 3×3×2"
LP502-420	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 4×4×2"
LP502-422	COMBINATION WYE AND 1/8 BEND, REDUCING (ONE PIECE) (ALL HUB) 4×4×3"
LP503-015	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)1-1/2"
LP503-020	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)2"
LP503-030	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)3"
LP503-040	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)4"
LP503-060	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)6"
LP503-080	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)8"
LP503-100	COMBINATION WYE AND 1/8 BEND (TWO PIECE)(ALL HUB)10"

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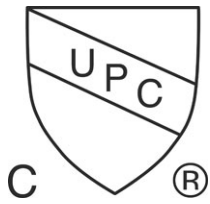
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Model Number	Description
LP503-120	COMBINATION WYE AND 1/8 BEND (TWO PIECE) (ALL HUB)12"
LP504-338	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)3×3×2"
LP504-422	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)4×4×3"
LP504-532	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)6×6×4"
LP504-582	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)8×8×4"
LP504-585	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)8×8×6"
LP504-624	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)10×10×4"
LP504-626	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)10×10×6"
LP504-628	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)10×10×8"
LP504-664	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)12×12×4"
LP504-666	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)12×12×6"
LP504-668	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)12×12×8"
LP504-670	COMBINATION WYE AND 1/8 BEND, REDUCING (TWO PIECE) (ALL HUB)12×12×10"
LP507-015	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)1-1/2"
LP507-020	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)2"
LP507-030	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)3"
*LP507-040	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)4"
LP507-251	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)2×1-1/2"
LP507-338	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)3×2"
LP507-420	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)4×2"
LP507-422	COMBINATION WYE AND 1/8 BEND DOUBLE ASSEMBLY (ALL HUB)4×3"
*LP515-338	COMBINATION WYE AND 1/8 BEND W/LEFT SIDE INLET (ALL HUB)3×3×3×2"
*LP516-338	COMBINATION WYE AND 1/8 BEND W/RIGHT SIDE INLET (ALL HUB)3×3×3×2"
LP600-012	WYE (ALL HUB) 1-1/4"
LP600-015	WYE (ALL HUB) 1-1/2"
LP600-020	WYE (ALL HUB) 2"
LP600-030	WYE (ALL HUB) 3"
LP600-040	WYE (ALL HUB) 4"
LP600-060	WYE (ALL HUB) 6"

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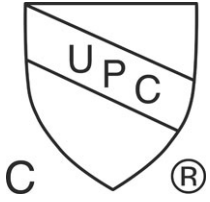
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Model Number	Description
LP600-080	WYE (ALL HUB) 8"
LP600-100	WYE (ALL HUB) 10"
LP600-120	WYE (ALL HUB) 12"
LP601-209	DISHWASHER WYE (H × H × HOSE BARB)1-1/2"×1-1/2"×1/2"
LP601-241	REDUCING WYE(ALL HUB)2×1-1/2×1-1/2"
LP601-251	REDUCING WYE(ALL HUB)2×2×1-1/2"
LP601-257	REDUCING WYE(ALL HUB)2×1-1/2×2"
LP601-337	REDUCING WYE(ALL HUB)3×3×1-1/2"
LP601-338	REDUCING WYE(ALL HUB)3×3×2"
LP601-419	REDUCING WYE(ALL HUB)4×4×1-1/2"
LP601-420	REDUCING WYE(ALL HUB)4×4×2"
LP601-422	REDUCING WYE(ALL HUB)4×4×3"
LP601-528	REDUCING WYE(ALL HUB)6×6×2"
LP601-530	REDUCING WYE(ALL HUB)6×6×3"
LP601-532	REDUCING WYE(ALL HUB)6×6×4"
LP601-582	REDUCING WYE(ALL HUB)8×8×4"
LP601-585	REDUCING WYE(ALL HUB)8×8×6"
LP601-624	REDUCING WYE(ALL HUB)10×10×4"
LP601-626	REDUCING WYE(ALL HUB)10×10×6"
LP601-628	REDUCING WYE(ALL HUB)10×10×8"
LP601-664	REDUCING WYE(ALL HUB)12×12×4"
LP601-666	REDUCING WYE(ALL HUB)12×12×6"
LP601-668	REDUCING WYE(ALL HUB)12×12×8"
LP601-670	REDUCING WYE(ALL HUB)12×12×10"
LP602-015	WYE, STREET(S × H × H)1-1/2"
LP602-020	WYE, STREET(S × H × H)2"
LP602-030	WYE, STREET(S × H × H)3"
LP602-040	WYE, STREET(S × H × H)4"
LP603-251	WYE, STREET, REDUCING (S × H × H)2×2×1-1/2"

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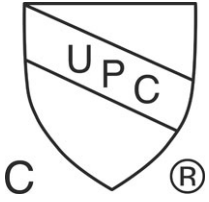
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Model Number	Description
LP603-337	WYE, STREET, REDUCING(S × H × H)3×3×1-1/2"
LP603-338	WYE, STREET, REDUCING(S × H × H)3×3×2"
LP603-420	WYE, STREET, REDUCING(S × H × H)4×4×2"
LP603-422	WYE, STREET, REDUCING(S × H × H)4×4×3"
LP611-015	DOUBLE WYE (ALL HUB)1-1/2"
LP611-020	DOUBLE WYE (ALL HUB)2"
LP611-030	DOUBLE WYE (ALL HUB)3"
LP611-040	DOUBLE WYE (ALL HUB)4"
LP611-060	DOUBLE WYE (ALL HUB)6"
*LP611S-030	DOUBLE WYE, W/2" SIDE INLET (ALL HUB)3×3×3×3×2"
*LP611S-040	DOUBLE WYE, W/2" SIDE INLET (ALL HUB)4"×4"×4"×4"×2"
LP612-251	REDUCING DOUBLE WYE(ALL HUB)2×2×1-1/2×1-1/2"
LP612-337	REDUCING DOUBLE WYE(ALL HUB)3×3×1-1/2×1-1/2"
LP612-338	REDUCING DOUBLE WYE(ALL HUB)3×3×2×2"
LP612-420	REDUCING DOUBLE WYE(ALL HUB)4×4×2×2"
LP612-422	REDUCING DOUBLE WYE(ALL HUB)4×4×3×3"
LP612-528	REDUCING DOUBLE WYE(ALL HUB)6×6×2×2"
LP612-530	REDUCING DOUBLE WYE(ALL HUB)6×6×3×3"
LP612-532	REDUCING DOUBLE WYE(ALL HUB)6×6×4×4"
*LP625-338	WYE W/LEFT SIDE INLET (ALL HUB)3×3×3×2"
*LP625-420	WYE W/LEFT SIDE INLET (ALL HUB)4×4×4×2"
*LP626-338	WYE W/RIGHT SIDE INLET (ALL HUB) 3×3×3×2"
*LP626-420	WYE W/RIGHT SIDE INLET (ALL HUB) 4×4×4×2"
LP700-015	RETURN BEND (H × H) 1-1/2"
LP700-020	RETURN BEND (H × H) 2"
LP700-030	RETURN BEND (H × H) 3"
LP700-040	RETURN BEND (H × H) 4"
LP700-060	RETURN BEND (H × H) 6"
LP704P-015	ADAPTER, TAIL PIECE W/PLASTIC NUT (S X SLIP)1-1/2"×1-1/2"

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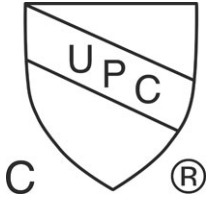
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Model Number	Description
LP704P-212	ADAPTER, TAIL PIECE W/PLASTIC NUT (S X SLIP)1-1/2×1-1/4"
LP706X-015	P-TRAP (H × H) 1-1/2"
LP706X-020	P-TRAP (H × H) 2"
LP706X-030	P-TRAP (H × H) 3"
LP706X-040	P-TRAP (H × H) 4"
LP706X-060	P-TRAP (H × H) 6"
LP707X-015	P-TRAP W/ CLEANOUT (H × H) 1-1/2"
LP707X-020	P-TRAP W/ CLEANOUT (H × H) 2"
LP708P-012	ADJUSTABLE P-TRAP W/PLASTIC NUT (H × H)1-1/4"
LP708P-015	ADJUSTABLE P-TRAP W/PLASTIC NUT (H × H)1-1/2"
LP708P-020	ADJUSTABLE P-TRAP W/PLASTIC NUT (H × H)2"
LP709-015	P-TRAP W/UNION JOINT(H X FPT)1-1/2"
LP710-015	P-TRAP, LOW PROFILE(HxH)1-1/2"
LP710-020	P-TRAP, LOW PROFILE(HxH)2"
LP710-030	P-TRAP, LOW PROFILE(HxH)3"
LP710-040	P-TRAP, LOW PROFILE(HxH)4"
LP710-060	P-TRAP, LOW PROFILE(HxH)6"
LP711P-015	L.A. PATTERN P-TRAP ,W/UNION & 1-1/2 & 1-1/4 SLIP WASHERS, W/PLASTIC NUT (SLIP×H)1-1/2"
LP711P-169	L.A. PATTERN P-TRAP,W/UNION & 1-1/2 & 1-1/4 SLIP WASHERS, W/PLASTIC NUT (SLIP×H)1-1/4×1-1/2"
LP711X-015	L.A. PATTERN P-TRAP W/CHROME NUT,W/CHROME NUT & WASHER (SLIP X H) 1-1/2"
LP711X-212	L.A. PATTERN P-TRAP W/CHROME NUT,W/CHROME NUT & WASHER (SLIP X H) 1-1/2"×1-1/4"
LP713-015	P-TRAP(H X SLIP)1-1/2"
LP716-020	WASHER BOX P-TRAP (H X H)2"
LP720-015	DRUM TRAP W/CLEANOUT(H × H) 1-1/2"×3"×6"
LP800-040	CLOSET FLANGE (H)4×4"
LP800-422	CLOSET FLANGE (H)4×3"
LP800S-422	CLOSET FLANGE W/STOP (H)4×3"
LP800T-040	CLOSET FLANGE W/TEST PLATE (H)4"
LP800T-422	CLOSET FLANGE W/TEST PLATE (H)4×3"

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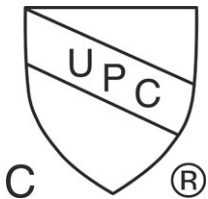
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Model Number	Description
LP801-422	CLOSET FLANGE REDUCING (SPIGOT)4×3"
LP810-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING (H) 4"
LP810S-040	CLOSET FLANGE W/ADJUSTABLE PIPE STOP, W/PLASTIC RING (H) 4"
LP811-040	CLOSET FLANGE W/ADJUSTABLE METAL RING (EPOXY COATED)(H)4"
LP811-422	CLOSET FLANGE W/ADJUSTABLE METAL RING (EPOXY COATED)(H)4"×3"
LP812-040	CLOSET FLANGE W/ADJUSTABLE METAL RING (EPOXY COATED)(S)4"
LP812-422	CLOSET FLANGE W/ADJUSTABLE METAL RING (EPOXY COATED)(S)4"×3"
LP812P-422	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING (S)4×3"
LP812P-040	CLOSET FLANGE W/ADJUSTABLE PLASTIC RING(S)4"×3"
LP816-040	FLUSH CLOSET FLANGE W/PIPE STOP (FITS INSIDE 4" DWV PIPE OR OVER 3" PIPE) 3 OR 4
LP818-040	FLUSH CLOSET FLANGE W/PIPE STOP & KNOCKOUT (FITS INSIDE 4" DWV PIPE OR OVER 3" PIPE) 3 OR 4
LP817-040	FLUSH CLOSET FLANGE W/O PIPE STOP (FITS INSIDE 4" DWV PIPE OR OVER 3" PIPE) 3 OR 4
LP820-422	OFFSET CLOSET FLANGE W/ADJUSTABLE METAL RING(EPOXY COATED) (H)4"×3"
LP830-422	CLOSET FLANGE(FPT)4×3"
LP831-422	CLOSET FLANGE(MPT)×3"
LP905X-015	TUBE END CLEANOUT(H×GASKET PLUG)1-1/2"
LP905X-020	TUBE END CLEANOUT(H×GASKET PLUG)2"
LP905X-030	TUBE END CLEANOUT(H×GASKET PLUG)3"
LP905X-040	TUBE END CLEANOUT(H×GASKET PLUG)4"
LP001-012	DRAIN, WASTE, VENT PIPE Plain End (1-1/4") - UPC ONLY
LP001-015	DRAIN, WASTE, VENT PIPE Plain End (1-1/2") - UPC ONLY
LP001-020	DRAIN, WASTE, VENT PIPE Plain End (2") - UPC ONLY
LP001-030	DRAIN, WASTE, VENT PIPE Plain End (3") - UPC ONLY
LP001-040	DRAIN, WASTE, VENT PIPE Plain End (4") - UPC ONLY
LP001-060	DRAIN, WASTE, VENT PIPE Plain End (6") - UPC ONLY
LP011-015	DRAIN, WASTE, VENT PIPE Belled End (1-1/2") - UPC ONLY
LP011-020	DRAIN, WASTE, VENT PIPE Belled End (2") - UPC ONLY
LP011-030	DRAIN, WASTE, VENT PIPE Belled End (3") - UPC ONLY
LP011-040	DRAIN, WASTE, VENT PIPE Belled End (4") - UPC ONLY

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING



Issued To: GUANGDONG LIANSU TECHNOLOGY
INDUSTRIAL CO., LTD

Effective Date: July 2024

File Number: 9267

Revised Date: November 5, 2024

Product: Polyvinyl (PVC) Plastic Drain, Waste, and Vent
Pipe and Fittings

Void After: July 2029

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Model Number	Description
LP011-060	DRAIN, WASTE, VENT PIPE Belled End (6") - UPC ONLY