IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING

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

Effective Date: July 2015 -Rev. 7/20/2015- Void After: July 2016

Product: PVC-DWV Fittings File No. 9267

Issued To: Guangdong Liansu Technology Industrial Co Ltd
Liansu Industrial Estate
Longjiang Town
Shunde Zone
Foshan, GD 528318
China

Identification: Fittings shall be marked on the body or hub with the manufacturer's name or trademark, or both, the symbol "PVC" and 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

Chairman, Product Certification Committee

CEO, The IAPMO Group

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

IAPMO RESEARCH AND TESTING, INC.
CERTIFICATE OF LISTING

-Rev. 7/20/2015-

Void After: July 2016

Product: PVC-DWV Fittings

File No. 9267

Issued To: Guangdong Liansu Technology Industrial Co Ltd

edition 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.

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

ASTM D2665-2014 & CSA B181.2-2015

Product: PVC-DWV Fittings File No. 9267

Issued To: Guangdong Liansu Technology Industrial Co Ltd

Models:

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

Model No.	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"
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"
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"
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"
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)10x8"
LP107-666	FLUSH BUSHING (S × H)12×6"
LP107-668	FLUSH BUSHING (S × H)12×8"
LP107-670	FLUSH BUSHING (S × H)12x10"
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"
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"
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"
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"

Product: PVC-DWV Fittings File No. 9267

Issued To: Guangdong Liansu Technology Industrial Co Ltd

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"
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"
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"
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"
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"
*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"
*LP439-338	DOUBLE SANITARY TEE W/R & L SIDE INLETS (ALL HUB)3×3×3×3×2×2"
*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"
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"
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"
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"
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"
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"
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"