Certificate Number Report Reference Date EX15312 EX15312-20090428 2022-January-12

Issued to: VIEGA L L C 585 Interlocken Blvd Broomfield CO, 80021 US

This is to certify that representative samples of

CROSS-LINKED POLYETHYLENE SPRINKLER PIPE AND FITTINGS See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:ANSI/CAN/UL 1821 - Thermoplastic Sprinkler Pipe and<br/>Fittings for Fire Protection Service.

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date

EX15312 EX15312-20090428 2022-January-12

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

PureFlow PolyPex PEX Press Fittings in the following types, sizes, and for a rated pressure of 130 psig are intended for use with Viega PureFlow PEX Black Tubing and are to be installed with a Viega PureFlow Press tool in accordance with the manufacturer's installation instructions.

Model	Description	Size (s) In.
V5615	Coupling (P x P)	3/4, 1, 1-1/4, 1-1/2, 2
V5616	90 Degree Elbow (P x P)	3/4, 1, 1-1/4, 1-1/2, 2
V5626	45 Degree Elbow (P x P)	1-1/2, 2
V5618	Tee (P x P x P)	3/4, 1, 1-1/4, 1-1/2, 2
V5656	Plug (P x Plug)	3/4, 1, 1-1/4, 1-1/2, 2
V5615	Reducing Coupling	3/4 x 1/2;
	(P x P)	1 x 3/4;
		1-1/4 x 3/4, 1-1/4 x 1;
		1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4;
		2 x 1-1/2
V5618	Reducing Tee	1/2 x 1/2 x 3/4;
	(P x P x P)	3/4 x 1/2 x 1/2, 3/4 x 1/2 x 3/4;
	1. VII. VII. VII. VI	3/4 x 3/4 x 1/2;
		1 x 1/2 x 1/2, 1 x 1/2 x 1;
		1 x 3/4 x 1/2, 1 x 3/4 x 3/4, 1 x 3/4 x 1;
		1 x 1 x 1/2, 1 x 1 x 3/4
		1-1/4 x 1 x 3/4, 1-1/4 x 1 x 1;
		1-1/4 x 1-1/4 x 3/4, 1-1/4 x 1-1/4 x 1;
		1-1/2 x 1 x 3/4, 1-1/2 x 1 x 1;
	I. VII. VII. VII. VI	1-1/2 x 1-1/4 x 3/4, 1-1/2 x 1-1/4 x 1, 1-1/2 x 1-1/4 x 1-1/4;
		1-1/2 x 1-1/2 x 1/2, 1-1/2 x 1-1/2 x 3/4, 1-1/2 x 1-1/2 x 1, 1-1/2 x 1
		1/4;
		2 x 1-1/2 x 3/4, 2 x 1-1/2 x 1, 2 x 1-1/2 x 1-1/4, 2 x 1-1/2 x 1-1/2;
	Fire Oprinkler	2 x 2 x 1/2, 2 x 2 x 3/4, 2 x 2 x 1, 2 x 2 x 1-1/4, 2 x 2 x 1-1/2
V5645ZL	Fire Sprinkler 90° Elbow (P x FNPT)	3/4 x 1/2; 1 x 1/2
V5644ZL	Fire Sprinkler Straight Adapter	3/4 x 1/2
V 3044ZL	(P x FNPT)	1 x 1/2
V5642ZL	Fire Sprinkler Tee	3/4 x 3/4 x 1/2;
	(P x P x FNPT)	1 x 3/4 x 1/2;
		1 x 1 x 1/2
V5641ZL	Fire Sprinkler Wall Tee (FNPT x	1/2 x 1/2 x 3/4;
	FNPT x P)	1/2 x 1/2 x 0/4,
1		

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Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date

EX15312 EX15312-20090428 2022-January-12

P – PEX Press FNPT – Female NPT Threads

PureFlow Poly PEX Press Model V5641ZL, V5642ZL, V5644ZL and V5645ZL with 1/2, 3/4 and 1 inch outlets are intended for direct sprinkler connection; all other models are intended for connection to system piping only.

The pipe fittings are for use in accordance with the manufacturer's installation and design manual dated August 2020.

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UL LLC



Certificate Number Report Reference Date EX15312 EX15312-20211229 2022-January-12

Issued to: VIEGA L L C 585 Interlocken Blvd Broomfield CO, 80021 US

This is to certify that representative samples of

CROSS-LINKED POLYETHYLENE SPRINKLER PIPE AND FITTINGS See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:ANSI/CAN/UL 1821 - Thermoplastic Sprinkler Pipe and<br/>Fittings for Fire Protection Service.

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Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Certificate Number Report Reference Date EX15312 EX15312-20211229 2022-January-12

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

PureFlow Zero Lead Bronze PEX Press Fittings in the following types, sizes, and for a rated pressure of 130 psig are intended for use with Viega PureFlow PEX Black Tubing and are to be installed with a Viega PureFlow Press tool in accordance with the manufacturer's installation instructions.

2813.5ZL         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x 1/2           2813.5ZL         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x 1/2           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           2812ZL         Female Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/4           2812ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/4           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 1 x 1-1/4           2813FZL         PureFlow Press x ProPress Adapter (P x Press)         1 x 3/4, 1 x           (P x Press)         1 x 3/4, 1 x         1 -1/4 x 1-1/4           1 -1/2 x 1, 1 -1/4 x 1-1/4         1 -1/4 x 1, 1 -1/4 x 1-1/4         1 -1/2 x 1, 1 -1/4 x 1-1/4           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2         2 /4 x 3/4           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2         2 /4 x 3/4           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2         2 /4 x 3/4           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2         2 /4 x 3/4 </th <th>Model</th> <th>Description</th> <th>Size (s) In.</th>	Model	Description	Size (s) In.
2813.5ZL         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x           2813.5ZL         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x           1-1/4 x 1-1/         1           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4, 1x           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 1/2, 3/4 x 3/4, 1x           2812ZL         Female Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 1x 1, 1 x 1-1/           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1 x 1-1/           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         1-1/4 x 1, 1-1/4 x 1-1/           1-1/4 x 1, 1-1/4 x 1-1/         1-1/4 x 1, 1-1/4 x 1-1/         1-1/2 x 1-1/           2813PZL         P Adapter (P x PB)         3/4, 1 x 1/2, 3/4 x 3/           2816ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4 x 1/           1 x 3/4         1 x 3/4         1 x 3/4	2813.1ZL	Fitting Adapter (P x FTG)	3/4 x 1/2, 3/4 x 3/4, 3/4 x 1;
2813.52L         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x           2813.52L         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x           1         1         1           2812.52L         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4, 1           2812.2L         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 1/2, 3/4 x 1/2, 3/4 x 1/2, 1/4 x 1-1/           2811.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/           2811.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/           2811.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1 x 1-1/           2813.52L         PureFlow Press x ProPress Adapter (P x Press)         1-1/4 x 1/2, 3/4 x 3/4, 1 x 1, 1-1/4 x 1-1/           2813.22L         P Adapter (P x PB)         3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1-1/4 x 1-1/           2813.22L         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2, 1-1/           28152L         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 2, 1-1/           28152L         Reducing Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 1 x 3/4, 1 x 1, 1 x			1 x 1;
2813.52L         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x         1 x           2813.52L         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x         1 x           2813.52L         Tubing Adapter (P x CTS)         3/4 x 3/4, 3/4 x         1 x           2812.2L         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x         1 x 3/           2812.2L         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x         1 x 3/           2812.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x         1 x 1 x           2811.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x         1 x 1 x           2811.2L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x         1 x 1 x           1 - 1/4 x 1 - 1         1 - 1/4 x         1 - 1/4 x         1 - 1/4 x           2813.22L         PureFlow Press x ProPress Adapter (P x PEs)         3/4 x 1/2, 3/4 x         3/4 x           2813.22L         P Adapter (P x PE)         3/4 x         3/4 x         2 x 1, 2 x           2813.22L         P Adapter (P x PE)         3/4 x         3/4 x         3/4 x           28162L         90 Degree Elbow (P x P)         3/4, 1, 1 - 1/4, 1 - 1/2,         3/4 x         3/4 x           28152L         Reducing Coupling (P x P)         3/4 x 1/2, 3/4 x			
2813.5ZL       Tubing Adapter (P x CTS)       3/4 x 3/4, 3/4 x         1 x       1 x         2812ZL       Female Adapter (P x FNPT)       3/4 x 1/2, 3/4 x 3/         2812ZL       Female Adapter (P x FNPT)       3/4 x 1/2, 3/4 x 3/         2811ZL       Male Adapter (P x MNPT)       3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/         2811ZL       Male Adapter (P x MNPT)       3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/         2811ZL       Male Adapter (P x MNPT)       3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/         2813PZL       PureFlow Press x ProPress Adapter (P x Press)       3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1 x 1-1/         2813.2ZL       P Adapter (P x PB)       3/4 x 1, 1-1/4 x 1-1/         2813.2ZL       P Adapter (P x PB)       3/4, 1, 1-1/4, 1-1/2,         2813.2ZL       P Adapter (P x PB)       3/4, 1, 1-1/4, 1-1/2,         2815ZL       Coupling (P x P)       3/4, 1, 1-1/4, 1-1/2,         2815ZL       Reducing Coupling (P x P)       3/4, 1, 1-1/4, 1-1/2,         2815ZL       Reducing Coupling (P x P)       3/4, 1, 1-1/4, 1-1/2,	1 ( U 1 ) ( U	a Xui Xui Xui Xui Xui Xui	
1         x           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/           1         x 3           1         x 3/           1         x 3/4           1         x 3	0.010.5-5		2 x 2
2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4, 1 x 3/4, 1 x 3/4, 1 x 1, 1 x 3/4, 1 x 1, 1 x	2813.5ZL	Tubing Adapter (P x CTS)	
2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/ 1 x 3/4           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 -1/4 x 1-1/ 1 -1/2 x 1-1/ 2 x 1-1/ 2 x 1-1/ 1 -1/4 x 1, 1 -1/4 x 1-1/ 1 -1/2 x 1, 1 -1/4 x 1-1/ 1 -1/2 x 1, 1 -1/4 x 1-1/ 1 -1/2 x 1, 1 -1/4 x 1, 1 -1/4 x 1-1/ 1 -1/2 x 1, 1 -1/4 x 1, 1 -1/4 x 1-1/ 1 -1/2 x 1, 1 -1/2 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2, 3/4 x 3/ 2 x 1, 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2, 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 -1/4, 1 -1/2, 2 x 1, 2 x           28152L         Coupling (P x P)         3/4, 1, 1 -1/4, 1 -1/2, 3/4, 1, 1 -1/4, 1 -1/2, 2 x 1 x 3/4, 1 - 1/4, 1 -1/2,           28152L         Reducing Coupling (P x P)         3/4, 1, 1 -1/4, 1 -1/2,           1 -1/4 x 3/4, 1 -1/4 x         1 - 1/4 x 3/4, 1 - 1/4 x		. VII. VII. VII. VII. VII.	
2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           1 x         1 x           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1 x 1-1/           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         1 - 1/4 x 1, 1 - 1/4 x 1-1/           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2, 3/4 x 3/           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 - 1/4, 1 - 1/2, 2 x 1-1/           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 - 1/4, 1 - 1/2, 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1 - 1/4, 1 - 1/2, 2 x 1, 2 x           2815ZL         Coupling (P x P)         3/4, 1, 1 - 1/4, 1 - 1/2, 2 x 1, 2 x           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1 - 1/4, 1 - 1/2, 1 - 1/2, 1 - 1/2, 1 - 1/2, 1 - 1/2, 1 - 1/4, 1 - 1/2, 1 - 1/4, 1 - 1/4, 1 - 1/4, 1 - 1/4, 1 - 1/2, 1 - 1/4, 1 - 1		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
2812ZL         Female Adapter (P x FNPT)         3/4 x 1/2, 3/4 x 3/4           1 x 3/4         1 x 3/4           1 x 1-1/4         1-1/2           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/4           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/4           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/4, 1 x 1-1/4           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2, 3/4 x 3/4, 1 x 1-1/4           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 1/2           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 1/2           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 1/2           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 1/2           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 1/2           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1-1/4, x 3/4, 1-1/4			
1 x 3/ 1 x           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1, 2/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 -1/2 x 1-1/ 1 -1/2 x 1-1/ 2 x           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/4, 1 x 1, 1 - 1/4 x 1-1/ 1 - 1/2 x 1, 1 - 1/4 x 1	201271	Econolo Adaptor (D. y. ENDT)	
1 x           28112L         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/2 x 1-1/ 2 x           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1-1/4 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/2 x 1-1/ 2 x 3/4, 1 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2815ZL         O Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2 x           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2 x           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2,	201221	remaie Adaptei (r x fNFI)	
1-1/4 x 1-1/ 1-1/2 x 1-1/ 2 x           2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/2 x 1-1/ 1-1/2 x 1-1/ 2 x 1-1/2 x 1-1/ 2 x 3/4, 1 x           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1-1/4 x 1, 1-1/4 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2 3/4 x 1/2           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2 3/4 x 1/2           2813.2ZL         P Adapter (P x PB)         3/4 x 1/2 3/4 x 1           2815ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 1 x 3/4, 1, 1-1/4 x 1/2           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 1 x 3/4, 1-1/4 x			1 x 3/4, 1 x 1;
2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/4 x 1-1/ 1-1/2 x 1-1/ 2 x 1, 1-1/2 x 1-1/ 1-1/2 x 1, 1-1/4 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/2 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4 x 1/ 2 x 1, 2 x           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL		KAAAAA	
2811ZL         Male Adapter (P x MNPT)         3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/4 x 1-1/ 1-1/2 x 1-1/ 2 x           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1-1/4 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/4 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x           2815ZL         Reducing Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4 x 1/ 1 x 3/4, 1-1/4 x		. VII. VII. VII. VII. VII.	
2811ZL       Male Adapter (P x MNPT)       3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/4 x 1-1/ 1-1/2 x 1-1/ 2         2813PZL       PureFlow Press x ProPress Adapter (P x Press)       3/4 x 1/2, 3/4 x 3/ 1 x 3/4, 1 x 1-1/4 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/4 x 1-1/ 2 x 1, 2 x         2813.2ZL       P Adapter (P x PB)       3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x         2816ZL       90 Degree Elbow (P x P)       3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x         2815ZL       Coupling (P x P)       3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2 x 1, 2 x         2815ZL       Reducing Coupling (P x P)       3/4, 1, 1-1/4, 1-1/2, 3/4 x 1/ 1 x 3/4, 1-1/4 x			2 x 2
1 x 3/4, 1 x 1, 1 x 1-1/ 1-1/4 x 1-1/ 1-1/2 x 1-1/ 2           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1 x 3/4, 1 x 1-1/4 x 1, 1-1/4 x 1-1/ 1-1/2 x 1, 1-1/2 x 1-1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4 x 3/ 2 x 1, 2 x           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL           Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4 x 1/ 1 x 3/4, 1-1/4 x           1 x 3/4, 1 x         1-1/4 x 3/4, 1-1/4, 1-1/2,	2811ZL	Male Adapter (P x MNPT)	3/4 x 1/2, 3/4 x 3/4, 3/4 x 1, 3/4 x 1-1/4;
1-1/2 x 1-1/2           2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/4, 1 x 1 x 3/4, 1 x           2813.2ZL         P Adapter (P x PB)         1-1/4 x 1, 1-1/4 x 1-1/2 2 x 1, 2 x           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2, 3/4, 1, 1-1/4, 1-1/2, 2815ZL           Reducing Coupling (P x P)         3/4 x 1/2, 1 x 3/4, 1-1/4 x			1 x 3/4, 1 x 1, 1 x 1-1/4;
2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1 x 3/4, 1 x 1 - 1/4 x 1, 1 - 1/4 x 1 - 1/ 1 - 1/2 x 1, 1 - 1/2 x 1 - 1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)         3/4 x 3/ 2816ZL           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1 - 1/4, 1 - 1/2, 3/4, 1, 1 - 1/4, 1 - 1/2, 2815ZL           2815ZL         Coupling (P x P)         3/4, 1, 1 - 1/4, 1 - 1/2, 3/4 x 1/ 1 x 3/ 1 - 1/4 x 3/4, 1 - 1/4 x			1-1/4 x 1-1/4;
2813PZL         PureFlow Press x ProPress Adapter (P x Press)         3/4 x 1/2, 3/4 x 3/ 1 x 3/4, 1 x           1 x 3/4, 1 x         1 - 1/4 x 1, 1 - 1/4 x 1 - 1/ 1 - 1/2 x 1, 1 - 1/2 x 1 - 1/ 2 x 1, 2 x           2813.2ZL         P Adapter (P x PB)           2816ZL         90 Degree Elbow (P x P)           2815ZL         Coupling (P x P)           2815ZL         Reducing Coupling (P x P)           3/4 x 1/2, 3/4 x 3/ 1 - 1/4 x 3/4, 1 - 1/4			1-1/2 x 1-1/2;
(P x Press)       1 x 3/4, 1 x         1-1/4 x 1, 1-1/4 x 1-1/         1-1/2 x 1, 1-1/2 x 1-1/         1-1/2 x 1, 1-1/2 x 1-1/         2813.2ZL         P Adapter (P x PB)         2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2,         2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2,         2815ZL         Reducing Coupling (P x P)         3/4 x 1/         1 x 3/         1-1/4 x 3/4, 1-1/4 x			2 x 2
1-1/4 x 1, 1-1/4 x 1-1/         1-1/2 x 1, 1-1/2 x 1-1/         1-1/2 x 1, 1-1/2 x 1-1/         1-1/2 x 1, 1-1/2 x 1-1/         2x1, 2 x         2813.2ZL       P Adapter (P x PB)         2816ZL       90 Degree Elbow (P x P)         2815ZL       Coupling (P x P)         2815ZL       Reducing Coupling (P x P)         3/4 x 1/         1 x 3/         1-1/4 x 3/4, 1-1/4 x	2813PZL	PureFlow Press x ProPress Adapter	3/4 x 1/2, 3/4 x 3/4;
1-1/2 x 1, 1-1/2 x 1-1/ 2 x 1, 2 x         2813.2ZL       P Adapter (P x PB)         2816ZL       90 Degree Elbow (P x P)         2815ZL       Coupling (P x P)         2815ZL       Reducing Coupling (P x P)         3/4 x 1/ 2815ZL       3/4 x 1/ 3/4 x 1/ 1 x 3/ 1-1/4 x 3/4, 1-1/4 x		(P x Press)	1 x 3/4, 1 x 1;
Image: Constraint of the system         Constraint of the system <thc< td=""><td></td><td><math>K \times \times \times \times \times</math></td><td></td></thc<>		$K \times \times \times \times \times$	
2813.2ZL         P Adapter (P x PB)         3/4 x 3           2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2,           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2,           2815ZL         Reducing Coupling (P x P)         3/4 x 1/           1 x 3/         1-1/4 x 3/4, 1-1/4 x		. Vn. Vn. Vn. Vn. Vn.	
2816ZL         90 Degree Elbow (P x P)         3/4, 1, 1-1/4, 1-1/2,           2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2,           2815ZL         Reducing Coupling (P x P)         3/4 x 1/           1 x 3/         1-1/4 x 3/4, 1-1/4 x			2 x 1, 2 x 2
2815ZL         Coupling (P x P)         3/4, 1, 1-1/4, 1-1/2,           2815ZL         Reducing Coupling (P x P)         3/4 x 1/           1 x 3/         1-1/4 x 3/4, 1-1/4 x			3/4 x 3/4
2815ZL Reducing Coupling (P x P) 3/4 x 1/ 1 x 3/ 1-1/4 x 3/4, 1-1/4 x			
1 x 3/ 1-1/4 x 3/4, 1-1/4 x			
$1-1/4 \times 3/4, 1-1/4 \times$	2815ZL	Reducing Coupling (P x P)	
		( ス ス ス ス ス	1 x 3/4;
$ - // \times 3/4$ , $ - // \times  - / \times  - // \times  - / \times  - // \times  - / $		I VII, VII, VII, VII, VII,	
	<b>UVLA</b>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	201077		$2 \times 1 - \frac{1}{2}$
2818ZL     Tee (P x P x P)     3/4, 1, 1 1/4, 1-1/2,	201021	Tee (P X P X P)	3/4, 1, 1-1/4, 1-1/2, 2

Bamples



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Certificate Number Report Reference Date EX15312 EX15312-20211229 2022-January-12

Model	Description	Size (s) In.
2818ZL	Reducing Tee (P x P x P)	1/2 x 1/2 x 3/4;
	$\mathcal{M}^{\circ}\mathcal{M}$	3/4 x 1/2 x 1/2, 3/4 x 1/2 x 3/4;
	$K \times \times \times \times \times \times$	3/4 x 3/4 x 1/2;
1/11. $1/11$	Mu. Mu. Mu. Mu. Mu.	1 x 1/2 x 1/2, 1 x 1/2 x 1;
		1 x 3/4 x 1/2, 1 x 3/4 x 3/4, 1 x 3/4 x 1;
		1 x 1 x 1/2, 1 x 1 x 3/4;
		1-1/4 x 1 x 3/4;
		1-1/4 x 1-1/4 x 3/4;
IV-LA	Ŀヘゞレヘゞレヘゞレヘゞレ	1-1/4 x 1 x 1;
		1-1/4 x 1-1/4 x 1;
		1-1/2 x 1 x 3/4, 1-1/2 x 1 x 1;
	X UI X UI X UI X UI X UI X UI	1-1/2 x 1-1/2 x 3/4, 1-1/2 x 1-1/2 x 1, 1-1/2
	シーシーシーシーシー	x 1-1/2 x 1-1/4
2825.5ZL	90° Elbow Drop Ear Sprinkler	3/4 x 1/2, 3/4 X 3/4
(11.)(11)	Adapter (P x FNPT)	VII. VII. VII. VII. VII. VII. V
2825.4ZL	Sprinkler Angle Adapter (P x P x	3/4 x 3/4 x 1/2
	FNPT)	

P - PEX Press FNPT - Female NPT Threads MNPT - Male NPT Threads FTG - Copper fitting CTS - Copper Tubing PB - Polybutylene Tubing

PureFlow Zero Lead Bronze PEX Press Model 2825.5ZL, 2825.4ZL and 2812ZL with 1/2, 3/4 and 1 inch outlets are intended for direct sprinkler connection; all other models are intended for connection to system piping only.

The Model 2813PZL is a transition fitting with Viega's PureFlow Zero Lead Bronze Press PEX on one end and Viega ProPress on the other (Viega PureFlow PEX Black Tubing to Type K, L and M copper tubing)

The pipe fittings are for use in accordance with the manufacturer's installation and design manual dated August 2020.

Bample

Bruce Mahrenholz, Director North American Certification Program

UL LLC