

Submittal Package

**Viega PureFlow® Press Fittings
for use with PureFlow PEX Tubing**



Project _____ **Date** _____

Engineer _____ **Contractor** _____

Submitted by _____

Approved by _____ **Date** _____ **Approved by** _____ **Date** _____

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Potable Water

Residential Fire Sprinkler

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This document is subject to updates. For the most current Viega technical literature please visit www.viega.us.



Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**



Zero lead identifies Viega products meeting the lead-free requirements of NSF 61-G through testing under NSF/ANSI 372 (0.25% or less maximum weighted average lead content).

1 Tech Data Sheets

PureFlow Press Zero Lead Bronze Fittings



PureFlow Press Zero Lead Bronze Fittings with Attached Stainless Steel Press Sleeves for Viegia PureFlow PEX, Barrier and FostaPEX SDR-9 Cross-linked Polyethylene (PEX) tubing.

Scope

This document designates the requirements for Viegia PureFlow Press Zero Lead Bronze fittings with attached stainless steel press sleeves and tool locator ring to be used as connections for Viegia PureFlow PEX, Barrier PEX, and FostaPEX tubing in $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" , $1\frac{1}{4}$ " , $1\frac{1}{2}$ " , and 2" sizes as available. The connections are to be completed with the aid of a PureFlow Press hand tool or PureFlow Press power tool.

Materials

Viegia PureFlow Press Zero Lead Bronze fittings are cast and machined from extruded (C87700) or forged (C87710) Zero Lead Bronze. This gives the fitting high-corrosion and stress-crack resistance. All Viegia PureFlow Press Zero Lead Bronze fittings are precision-made to tight tolerances for a consistent fit with Viegia PureFlow PEX tubing. All PureFlow Press Zero Lead Bronze fittings meet the rigorous requirements of ANSI/NSF-61 Annex G for lead extraction and meet California AB 1953 no lead requirements. "Zero Lead" identifies Viegia products meeting the lead free requirements of California and Vermont law, effective January 1, 2010, as tested and listed against NSF-61, Annex G.

The stainless steel press sleeves incorporate three (3) view holes and are manufactured from 304 stainless steel that will not corrode, maintaining a clean appearance for the lifetime of the system. The tool locator rings are color-coded to match their appropriately-sized PureFlow Press hand tool and are manufactured out of recycled plastic. (Stainless steel locator rings are used for solder adapters.)

Markings

Viegia PureFlow Press Zero Lead Bronze fittings with attached stainless steel sleeves are manufactured and certified to the requirements of ASTM F877. Viegia PureFlow Press Zero Lead Bronze fittings and sleeves are marked with the size, manufacturer's mark, and required marking(s) of third-party certification organizations. Fittings also meet the requirements of ANSI/NSF-61 Annex G for health effects and are suitable for contact with potable water. NSF International and other certification organizations conduct random on-site inspections of manufacturing facilities and independently test Viegia PureFlow Press Zero Lead Bronze fittings for compliance with physical, performance, and toxicological standards.

Quality Assurance

When the product is marked with the ASTM F877 designation, it affirms that the product was manufactured, inspected, sampled, and tested in accordance with these specifications and has been found to meet the specified requirements.

Listings and Certificates

- cNSF[®]us pw-G
 - Zero lead listing meeting California AB 1953 and Vermont ACT 193
 - NSF International Performance and Health Effects (Standards 14 & 61)
 - NSF certified to CSA B137.5 (Canadian Standards Association)
- NSF Certified to NSF-U.P. Code
 - Approved for Uniform Plumbing Code, listed to ASTM F87
- IAPMO Certified
- ANSI/NSF 61-G
- ICC ES-PMG[™] 1038/1015 plumbing and heating systems
- UL certified to UL 1821 listing (130 psi @ 120°F) for use in residential fire sprinkler systems per NFPA 13D.1



All fittings may not be listed with each organization shown.

Recommended Uses

Viega PureFlow Press Zero Lead Bronze fittings with attached stainless steel press sleeves are intended and recommended for use in:

- Potable water distribution systems with Viega PureFlow PEX and FostaPEX tubing
- Hydronic heating, snow melt, and cooling systems
- Viega PureFlow PEX, Barrier PEX, and FostaPEX tubing meet the requirements of ASTM F876 and residential fire sprinkler systems per NFPA 13D. Viega PureFlow PEX Black (sizes 3/4" to 2") meet the requirements of ASTM F876 and UL 1821 (130 psi @ 120°F).

Viega PureFlow Press Zero Lead Bronze fitting system components are available only from Viega and are not interchangeable with components and tubing from other suppliers. For information on other hot and cold applications not listed here, consult with your Viega representative.

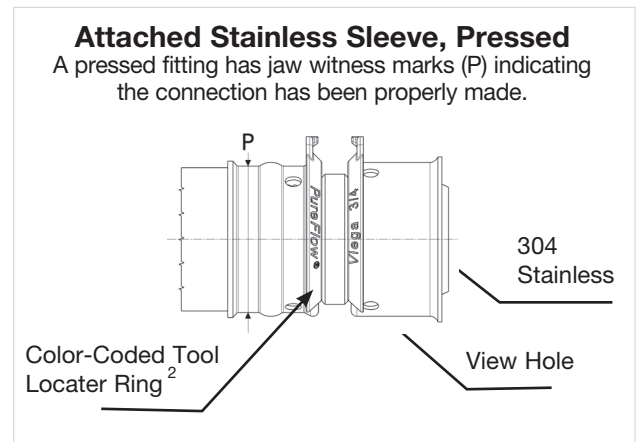
Operating Parameters

Maximum design temperature and pressure ratings are

- 160 psi @ 73° F
- 100 psi @ 180° F
- 80 psi @ 200° F

Handling and Installation

Viega PureFlow Press Zero Lead Bronze fittings are cast and machined from a solid bronze alloy and precision-made to tight tolerances. Use of these materials in hot and cold water distribution systems must be in accordance with good plumbing practices, applicable code requirements, and current installation practices available from Viega. Contact a Viega representative or the applicable code enforcement bureau for information about approvals for specific applications.

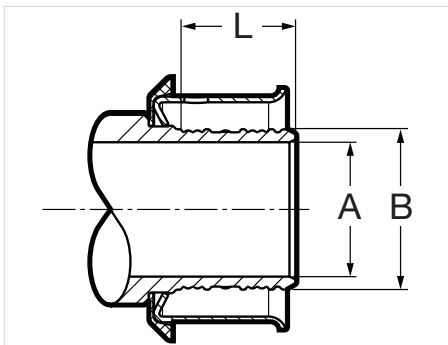


Friction Loss for Viega PureFlow Press Zero Lead Bronze Fittings

Size (inches)	Coupling	90° Elbow	Tee Run	Tee Branch
Equivalent length of PEX tubing in feet				
3/8	2.9	9.2	2.9	9.4
1/2	2	9.4	2.2	10.4
3/4	1	8	1	9
1	1	10	2	10
1 1/4	2	11	2	11
1 1/2	2	13	2	12
2	1	19	2	18

This information is based on tubing nominal flow rate (@ 8 fps flow velocity).

Typical Fitting Insert Dimensions for Viega PureFlow Press Zero Lead Bronze Fittings



Size (inches)	A	B	L
5/16	0.169	0.281±.002	0.496
3/8	0.236	0.344±.002	0.496
1/2	0.362	0.473±.002	0.496
5/8	0.457	0.571±.002	0.496
3/4	0.559	0.667±.003	0.496
1	0.728	0.858±.004	0.618
1 1/4	0.957	1.047±.004	0.866
1 1/2	1.083	1.232±.004	0.866
2	1.417	1.606±.004	1.260

Dimensions are in English units. Tolerances shown are Viega requirements. Viega PureFlow Press Zero Lead Bronze fittings are manufactured within these specifications.

Tech Data Sheets

PureFlow PEX Tubing

Scope

This material specification designates the requirements for Viega PureFlow PEX tubing. All Viega PureFlow PEX tubing is copper tube size dimension (CTS), SDR-9 wall thickness, and meets the requirements of ASTM F876 and F877.

Materials

Viega PureFlow PEX tubing is manufactured from a cross-linkable, high-density polyethylene produced by grafting organo-silanes onto a polyethylene base. A catalyst (accelerator) added to the cross-linkable polyethylene during extrusion initiates the cross-linking process. Cross-linking is completed with hot water or steam. The antioxidant blend and UV stabilizers within the resin are responsible for ensuring that the tubing will not lose its physical strength as well as its long term Chlorine/ORP resistance, which are the highest in the industry today, when exposed to UV light within the stated duration.

Marking and Certification

All Viega PureFlow PEX tubing is marked with:

- Manufacturer name: Viega
- Nominal size
- Plastic tubing material designation code:
PEX 5306 for red, blue, white, and black PEX or
PEX 5006 for purple PEX
- Chlorine resistance rating: NSF-pw (CL5)
- Design pressure and temperature ratings
- Relevant ASTM standards
- Manufacturing date and production code

NSF-pw stamps indicating third-party certification by NSF International for meeting and exceeding performance and toxicological standards as well as achieving the highest chlorine resistance rating in the PEX industry. NSF conducts random on-site inspections of Viega manufacturing facilities and independently tests Viega PureFlow PEX tubing for compliance with physical, performance, and toxicological standards.

Viega PureFlow PEX is also certified to meet the Uniform Plumbing Code, IAPMO UPC®, UL (Underwriters Laboratories) UL 1821 (cULus) (*Black Viega PureFlow PEX sized ¾" through 2" only*), CSA (Canadian Standards Association) B137.5 (cNSFus) the ICC (International Code Council) Evaluation Service, and HUD (Housing and Urban Development).

Recommended Uses

- Viega PureFlow PEX red, blue, and white tubing comes in ¾" to 1" sizes and is intended and recommended for use in hot and cold potable water distribution systems. Viega PureFlow PEX red, blue, and white tubing can also be used in “continuously recirculating” plumbing systems at temperatures of up to 140°F while still maintaining excellent chlorine resistance.
- Viega PureFlow PEX black tubing comes in ½" to 2" sizes with the ¾" to 2" sizes intended and recommended for use in residential fire sprinkler systems per NFPA 13D, meeting the requirements of ASTM F876 and UL 1821 (130 psi @ 120°F).
- Viega PureFlow PEX purple tubing is offered in sizes ½" to 1" sizes and is intended for non-potable, reclaimed water applications.
- Design temperature and pressure ratings for Viega PureFlow PEX are 160 psi @ 73°F, 100 psi @ 180°F, and 80 psi @ 200°F.

For information on the suitability for other hot and cold water applications not listed here, consult your Viega representative.

Handling and Installation

Viega PureFlow PEX tubing is tough yet flexible. However, it is softer than metals and may be damaged by abrasion or by objects with cutting edges. Use of these materials in hot and cold water distribution systems must be in accordance with good plumbing practices, applicable code requirements, and current installation practices available from Viega. Viega PureFlow PEX is manufactured to meet written national standards. Contact a Viega representative or the applicable code enforcement bureau for information about approvals for specific applications.

Property	ASTM Test Method	Typical Values	
		English Units	SI Units
Density	D 792	–	0.946 g/cc
Melt Index ^{*1} (190°C/2.16 kg)	D 1238	–	0.7g/10 min
Flexural Modulus ^{*2}	D 790	120,000 psi	830 MPa
Tensile Strength @ Yield (2 in/min)	D 638	2,900 psi	20 MPa
Coefficient of Linear Thermal Expansion @ 68°F	D 696	9.2 x 10 ⁻⁵ /°F	15x10 ⁻⁵ /°C
Hydrostatic Design Basis @ 73°F (23°C)	D 2837	1,250 psi	8.6 MPa
Hydrostatic Design Basis @ 180°F (82°C)	D 2837	800 psi	5.5 MPa
Vicat Softening Point	D 1525	255°F	124°C
Thermal Conductivity	D 177	2.86 Btu•in/(ft ² •hr•°F)	0.41 W/(m•°K)

*1 Before cross-linking

*2 73°F

SDR-9 PEX Tubing ASTM F876/F877/CTS-OD SDR-9					
Table Size	O.D.	Wall Thickness	Nom. I.D.	Weight per 100 ft.	Vol. (gal) per 100 ft.
¼"	0.375±.003	0.062+.010	0.241	3.21	0.24
⅜"	0.500±.003	0.070+.010	0.350	4.13	0.50
½"	0.625±.004	0.070+.010	0.475	5.35	0.92
¾"	0.875±.004	0.097+.010	0.671	10.23	1.82
1"	1.125±.005	0.125+.013	0.862	16.89	3.04
1¼"	1.375±.005	0.153+.015	1.054	25.23	4.52
1½"	1.625±.006	0.181+.019	1.244	35.36	6.30
2"	2.125±.006	0.236+.024	1.629	60.26	10.83

Quality Assurance

When the product is marked with the ASTM F876/F877 designation, it affirms that the product was manufactured, inspected, sampled, and tested in accordance with these specifications and has been found to meet the specified requirements.

Certifications

Tested for health effects to ANSI/NSF standard 61 and **NSF-pw** performance to ANSI/NSF standard 14.

PEX 5306 - Tested and listed to the NSF-pw (CL5) chlorine resistance rating for an end-use condition of 100% @ 140°F per ASTM F876, which is the highest chlorine resistance rating available through ASTM. When the product is marked with the PEX 5306 NSF-pw (CL5) designation, it affirms the product is approved for use in continuous domestic hot water circulation systems (up to a 140°F water temperature) and has a maximum UV exposure rating of 6 months.

PEX 5006 - Tested and listed to the NSF-pw (CL5) chlorine resistance rating for an end-use condition of 100% @ 140°F per ASTM F876, which is the highest chlorine resistance rating available through ASTM. When the product is marked with the PEX 5006 NSF-pw (CL5) designation, it affirms the product is approved for use in continuous domestic hot water circulation systems (up to a 140°F water temperature).



IAPMO Certified



ICC ES-PMG™ 1038
(Plumbing applications)



NSF certified to CSA B137.5
(Canadian Standards Association)



UL certified to UL 1821 listing
(130psi @ 120°F) for use in residential fire sprinkler systems per NFPA 13D¹

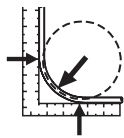


Certified to UL 263 & CAN/ULC S101
(US and Canadian fire resistance ratings)
Certified to ASTM E84 and CAN/ULC S102.2²
FS/SD (25/50) (U.S. and Canadian plenum rating)

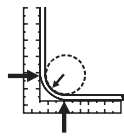
HUD (Housing and Urban Development) – MR 1276

*1 Black Viega PureFlow PEX sized ¼" through 2" only.
*2 Listings cover 2" and smaller tube sizes when wrapped with ½" to 1" thick E84 rated insulation, ½" and smaller with no insulation per ULC S102.2 listing. Tubing may include fitting connections when wrapped.

Minimum Bend Radius



CORRECT:
8 x O.D.



INCORRECT:
PIPE FLATTENS
AT THE BEND

Note: Viega PureFlow PEX tubing may be bent to a minimum of 5 x O.D. with approved bend support.

Size	Minimum Burst Pressure (psi) per ASTM F876/F877	
	73°F (23°C)	180°F (82°C)
3/8"	620	275
1/2"	480	215
3/4"	475	210
1"	475	210
1 1/4"	475	210
1 1/2"	475	210
2"	475	210

Flow Velocity Table

Flow Rate GPM	Flow Velocity ft/sec						
	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
0.5	1.7	0.9					
0.75	2.5	1.4	0.7			Velocity < 0.5 ft/sec	
1.0	3.3	1.8	0.9	0.5			
1.5	5.0	2.7	1.4	0.8	0.6		
2.0	6.7	3.6	1.8	1.1	0.7	0.5	
2.5	8.3	4.5	2.3	1.4	0.9	0.7	
3.0	10.0	5.4	2.7	1.6	1.1	0.8	
3.5		6.3	3.2	1.9	1.3	0.9	0.5
4.0		7.2	3.6	2.2	1.5	1.1	0.6
4.5		8.1	4.1	2.5	1.7	1.2	0.7
5.0		9.1	4.5	2.7	1.8	1.3	0.8
6.0		10.9	5.4	3.3	2.2	1.6	0.9
7.0			6.4	3.8	2.6	1.8	1.1
8.0			7.3	4.4	2.9	2.1	1.2
9.0			8.2	4.9	3.3	2.4	1.4
10.0			9.1	5.5	3.7	2.6	1.5
11.0			10.0	6.0	4.0	2.9	1.7
12.0			10.9	6.6	4.4	3.2	1.8
13.0			11.8	7.1	4.8	3.4	2.0
14.0				7.7	5.1	3.7	2.2
15.0				8.2	5.5	4.0	2.3
16.0				8.8	5.9	4.2	2.5
17.0				9.3	6.3	4.5	2.6
18.0				9.9	6.6	4.8	2.8
19.0				10.4	7.0	5.0	2.9
20.0				11.0	7.4	5.3	3.1
25.0					9.2	6.6	3.8
30.0					11.0	7.9	4.6
35.0		Velocity > 12 ft/sec				9.2	5.4
40.0						10.6	6.2
45.0						11.9	6.9
50.0							7.7
55.0							8.5
60.0							9.2
65.0							10.0
70.0							10.8
75.0							11.5

Pressure Loss Table

Flow Rate GPM	60°F (16°C) Water						
	Pressure Loss psi/ 100 ft. of Pipe						
	3/8	1/2	3/4	1	1 1/4	1 1/2	2
0.5	2.0						
0.75	4.1						
1.0	7.0	1.6					
1.5	14.9	3.4					
2.0	25.4	5.8	1.1				
2.5	38.5	8.7	1.6				
3.0	53.9	12.2	2.3				
3.5		16.2	3.0				
4.0		20.8	3.9	1.1			
4.5		25.8	4.8	1.4			
5.0		31.4	5.9	1.7			
6.0		44.0	8.2	2.4			
7.0			10.9	3.2	1.2		
8.0			14.0	4.1	1.6		
9.0			17.4	5.1	1.9		
10.0			21.1	6.2	2.3	1.0	
11.0			25.2	7.4	2.8	1.2	
12.0			29.6	8.8	3.3	1.5	
13.0			34.3	10.1	3.8	1.7	
14.0				11.6	4.4	2.0	
15.0				13.2	5.0	2.2	
16.0				14.9	5.6	2.5	
17.0				16.7	6.3	2.8	
18.0				18.5	7.0	3.1	
19.0				20.5	7.7	3.4	
20.0				22.5	8.5	3.8	1.0
25.0					12.8	5.7	1.5
30.0					18.0	8.0	2.2
35.0		Pressure Loss Excessive as Flow velocity is > 12 ft/sec				10.7	2.9
40.0						13.7	3.7
45.0						17.0	4.6
50.0							5.6
55.0							6.6
60.0							7.8
65.0							9.0
70.0							10.4
75.0							11.8

Note: Pressure loss based on Hazen-Williams formula ($C = 150$).

Pressure loss for actual length can be calculated by the following formula: actual length / 100 ft. x value from chart above.

Tech Data Sheets

FostaPEX® Tubing

FostaPEX High Density Cross-linked Polyethylene (PEX)

Scope

This material specification designates the requirements for Viega FostaPEX multilayer pressure pipe for hot and cold water distribution tubing and hydronic radiant heating applications. All FostaPEX tubing has a fully dimensioned inner PEX core to the copper tube size dimension (CTS), SDR-9 wall thickness and meets the respective requirements of ASTM Standard F876 and F877.

Materials

The multi-layered construction of the FostaPEX tubing is made from one full dimensional inner PEX core with an aluminum and outer PE layer surrounding it. This construction allows the inner layer alone to meet all temperature and pressure requirements of the system. Using the prep tool to remove the outer layers allows the use of the standard Viega PureFlow Press fitting system.

Marking and Certification

All FostaPEX tubing is marked with the name Viega as the manufacturer, nominal size, plastic tubing material designation code PEX 5306, Chlorine resistance rating NSF-pw (CL5), design pressure and temperature ratings, relevant ASTM standards, manufacturing date and production code, as well as the NSF-pw stamps indicating third-party certification by NSF International for meeting and exceeding performance and toxicological standards, as well as achieving the highest chlorine resistance rating in the PEX industry. NSF conducts random on-site inspections of Viega manufacturing facilities and independently tests FostaPEX tubing for compliance with physical, performance and toxicological standards. FostaPEX is also certified to meet the Uniform Plumbing Code, IAPMO UPC®, CSA (Canadian Standards Association) B137.5, the ICC (International Code Council) Evaluation Service, and HUD (Housing and Urban Development).

Recommended Uses

FostaPEX tubing is intended and recommended for use in hot and cold potable water distribution systems and hydronic radiant heating and cooling systems. Like ViegaPex Barrier, which has a barrier layer that resists the passage of oxygen through the wall of the tubing, the aluminum layer in FostaPEX offers even higher resistance to oxygen permeation in radiant heating applications. FostaPEX tubing can also be used in water service applications and is virtually impermeable to any soil contaminants. While FostaPEX is approved for burial, it is not recommended for exposed outdoor installation. Design temperature and pressure ratings for FostaPEX are 160 psi @ 73°F, 100 psi @ 180°F, and 80 psi @ 200°F. For information on the suitability for other hot and cold water applications not listed here, consult with your Viega representative.

Handling and Installation

FostaPEX cross-linked polyethylene tubing is tough yet flexible. The aluminum layer allows tubing to be bent into position and remain in position when released. However, use of these materials in hot and cold water distribution systems must be in accordance with good plumbing practices, applicable code requirements, and current installation practices available from Viega. FostaPEX is manufactured to meet written national standards. Contact a Viega representative or the applicable code enforcement bureau for information about approvals for specific applications.

Quality Assurance

When the product is marked with the ASTM F876 designation, it affirms that the product was manufactured, inspected, sampled and tested in accordance with these specifications and has been found to meet the specified requirements.

Property	ASTM Test Method	Typical Values	
		English Unit	SI Units
Density	D 792	–	0.944 g/cc
Melt Index 1 (190° C/2.16 kg)	D 1238	–	8.5g/10 min
Coefficient of Linear Thermal Expansion @ 68° F	D 696	1.3x10 ⁻⁵ in/in/°F	2.4x10 ⁻⁵ mm/mm/°C
Hydrostatic Design Basis @ 73°F (23°C)	D 2837	1250 psi	8.6 MPa
Hydrostatic Design Basis @ 180°F (82°C)	D 2837	800 psi	5.5 MPa

1. Before Cross-linking

Certifications

NSF-pw

- Tested for health effects to ANSI/NSF standard 61 and performance to ANSI/NSF standard 14.
- PEX 5306 - Tested and listed to the NSF-pw (CL5) Chlorine resistance rating for an end use condition of 100% @ 140°F per ASTM F876, which is the highest Chlorine resistance rating available through ASTM. When the product is marked with the PEX 5306 NSF-pw (CL5) designation, it affirms the product is approved for use in continuous domestic hot water circulation systems with up to 140°F water temperatures and has a maximum UV rating of 12 months. This UV rating is based on the product's inner PEX layer, but when combined with its outer aluminum and PE layers, it has an extended UV rating.



- IAPMO Certified



- ICC ES-PMG™ 1038/1015 (plumbing and heating systems)



- NSF certified to CSA B137.5 (Canadian Standards Association)



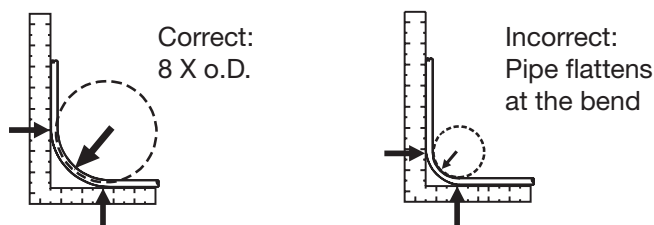
- Certified to UL 263 & CAN/ULC S101 (US & Canadian fire resistance ratings)



- Certified to ASTM E84 and CAN/ULC S102.2 FS/SD (25/50) (U.S. & Canadian plenum rating)

- HUD (Housing and Urban Development) - MR 1276

Minimum Bend Radius



FostaPEX tubing may be bent to a minimum of 3.5 x O.D. with use of a Viega pipe bender.

Minimum Burst Pressure (PSI) Per ASTM F876/F877

Size (in)	73°F (23°C)	180°F (82°C)
1/2	480	215
5/8	475	200
3/4	475	210
1	475	210

Thermal Conductivity

Size (in)	BTU/(Ft*hr*°F)	W(m*°K)
1/2	.484	.711
5/8	.516	.892
3/4	.547	.946
1	.711	1.230

Dimensions are in English units. Tolerances shown are ASTM requirements. Viega FostaPEX is manufactured within these specifications. (These dimensions do not reflect the outer aluminum and PE layers.)

SDR-9 PEX Tubing ASTM F876/F877/CTS-OD SDR-9

Part No.	Tubing Size (in)	Wall O.D. (in)	Nom. Thickness (in)	I.D. (in)	Weight Per Ft (lb.)	Volume Per 100 Ft (Gal.)
35020	1/2	0.625±.004	0.070+.010	0.475	.0600	0.92
35030	5/8	0.750±.004	0.083+.010	0.574	.0900	1.34
35040	3/4	0.875±.004	0.097+.010	0.671	.1200	1.82
35060	1	1.125±.005	0.125+.013	0.863	.2000	3.04

Flow Velocity Table

Flow Rate GPM	Flow Velocity ft / sec			
	1/2"	5/8"	3/4"	1"
0.5	0.9	0.6		
0.75	1.4	0.9	0.7	
1.0	1.8	1.2	0.9	0.5
1.5	2.7	1.9	1.4	0.8
2.0	3.6	2.5	1.8	1.1
2.5	4.5	3.1	2.3	1.4
3.0	5.4	3.7	2.7	1.6
3.5	6.3	4.3	3.2	1.9
4.0	7.2	5.0	3.6	2.2
4.5	8.1	5.6	4.1	2.5
5.0	9.1	6.2	4.5	2.7
6.0	10.9	7.4	5.4	3.3
7.0		8.7	6.4	3.8
8.0		9.9	7.3	4.4
9.0		11.2	8.2	4.9
10.0			9.1	5.5
11.0			10.0	6.0
12.0			10.9	6.6
13.0			11.8	7.1
14.0				7.7
15.0				8.2
16.0				8.8
17.0				9.3
18.0				9.9
19.0				10.4
20.0				11.0
25.0				
30.0				
35.0	Velocity > 12 ft/Sec			
40.0				
45.0				
50.0				
55.0				
60.0				
65.0				
70.0				
75.0				

Pressure Loss Table

Flow Rate GPM	60°F (16°C) Water Pressure Loss PSI/ 100 ft of Pipe			
	1/2"	5/8"	3/4"	1"
0.5				
0.75				
1.0	1.6			Pressure Loss <1 PSI
1.5	3.4	1.3		
2.0	5.8	2.3	1.1	
2.5	8.7	3.5	1.6	
3.0	12.2	4.9	2.3	
3.5	16.2	6.5	3.0	
4.0	20.8	8.3	3.9	1.1
4.5	25.8	10.3	4.8	1.4
5.0	31.4	12.5	5.9	1.7
6.0	44.0	17.5	8.2	2.4
7.0		23.3	10.9	3.2
8.0		29.9	14.0	4.1
9.0		37.1	17.4	5.1
10.0			21.1	6.2
11.0			25.2	7.4
12.0			29.6	8.8
13.0			34.3	10.1
14.0				11.6
15.0				13.2
16.0				14.9
17.0				16.7
18.0				18.5
19.0				20.5
20.0				22.5
25.0				
30.0				
35.0	Pressure Loss Excessive as Flow velocity is > 12 ft/Sec			
40.0				
45.0				
50.0				
55.0				
60.0				
65.0				
70.0				
75.0				

Pressure Loss based on Hazen-Williams Formula (C = 150)
 Pressure Loss for Actual Length can be calculated by following formula: Actual Length / 100 ft X Value from chart above.

Tech Data Sheets

PureFlow PEX Tubing with Corrugated Sleeving



Description

Viega PureFlow tubing is available with a flexible polypropylene corrugated sleeving that is pre-installed on Viega PureFlow PEX red and blue 300 foot coils in 1/2" and 3/4" sizes. This sleeved PEX product is ideal for direct burial and/or cast in

cement applications.

Features

- Approved for direct burial and cast in cement applications
- Abrasion and chemical resistant







Ratings

- Operating temperature / pressure: 180°F at 100 psi and 73.4°F at 160 psi¹

Component	Material
Tubing	Crosslinked Polyethylene
Corrugated Sleeve	Polypropylene copolymer

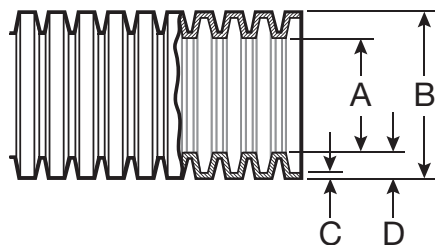
Certifications

Viega PureFlow PEX tubing certified to the following:

-  ■ IAPMO Certified
-  ■ ICC ES-PMG™ 1038 plumbing applications
-  ■ NSF certified to CSA B137.5 (Canadian Standards Association)
-  ■ Certified to UL 263 & CAN/ULC S101 (US & Canadian fire resistance ratings)
-  ■ Certified to ASTM E84 and CAN/ULC S102.2² FS/SD (25/50) (U.S. & Canadian plenum rating)
-  ■ HUD (Housing and Urban Development) – MR 1276

1. PEX tubing listed to ASTM F876/F877
 2. When wrapped with 1/2" to 1" thick E84 rated insulation

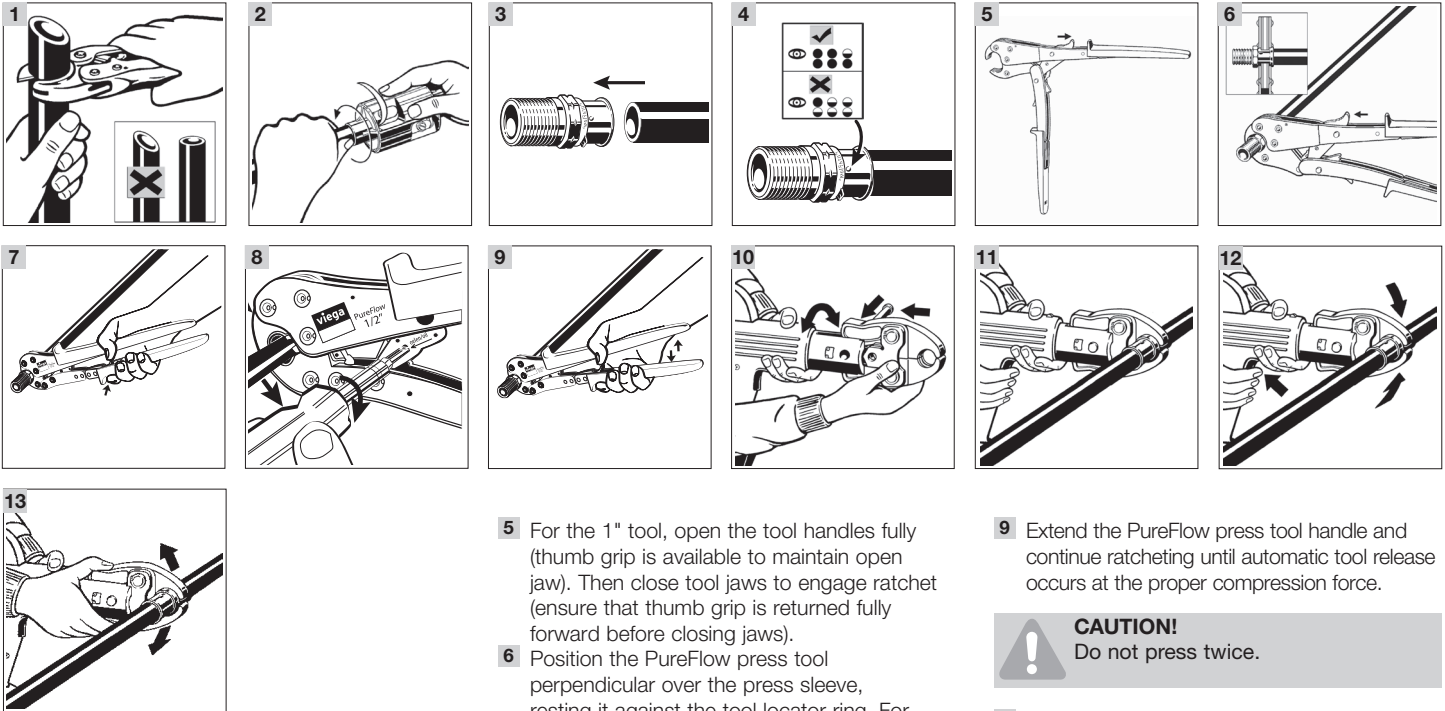
Viega PureFlow tubing Corrugated Sleeve Polypropylene - Model V5009.8



Part No.	Size (in x ft)	Color	A (in)	B (in)	C (in)	D (in)
32812	1/2 x 300	Red	1.03	1.27	0.03	0.12
32813		Blue	1.03	1.27	0.03	0.12
32810	3/4 x 300	Red	1.22	1.47	0.04	0.13
32811		Blue	1.22	1.47	0.04	0.13

2 Product Instructions

Viega PureFlow Press Fittings



EN

Viega PureFlow Press Fittings

! Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**

- 1 Square off tubing to proper length. Uneven, jagged, or irregular cuts will produce unsatisfactory connections.
- 2 If using FostaPEX tubing, insert into prep tool, push and turn until no resistance is felt. If using Viega PureFlow PEX, continue to Step 3.
- 3 Insert PureFlow Press fitting with attached sleeve into tubing and engage fully.
- 4 Ensure full tubing insertion at view holes in attached press sleeve. Full insertion means tubing must be completely visible in at least two view holes and partially visible in the one.

i If using hand tools continue with steps 5 to 9. If using power tools skip to steps 10 to 13.

- 5 For the 1" tool, open the tool handles fully (thumb grip is available to maintain open jaw). Then close tool jaws to engage ratchet (ensure that thumb grip is returned fully forward before closing jaws).
- 6 Position the PureFlow press tool perpendicular over the press sleeve, resting it against the tool locator ring. For 1" tool, close tool jaws to engage ratchet (ensure that thumb grip is returned fully forward before closing jaws). Make sure the PureFlow press tool is properly aligned (see step 8 if it is not).

i The tool locator ring must be in the factory-installed position while making a press to ensure a consistent leak-proof connection. It may be necessary to rotate the tool locator ring to avoid interference between the ring and tool.

- 7 Close handles, using trigger to reduce grip span if desired.
- 8 If the PureFlow press tool is not properly aligned with the locator ring, use the emergency release (using a screw driver to turn the emergency release) to open the press tool. Once released, align the PureFlow press tool properly and go back to step 6.

! **WARNING!** The connection is not leak-proof when the tool has been opened by emergency release. The tool locator ring must be present to ensure a proper PureFlow Press connection.

- 9 Extend the PureFlow press tool handle and continue ratcheting until automatic tool release occurs at the proper compression force.

! **CAUTION!** Do not press twice.

- 10 Insert the appropriate PureFlow press jaw into the press tool and push in the holding pin until it locks.
- 11 Open jaw and position perpendicular over press sleeve, resting it against the tool locator ring.

i The tool locator ring must be in the factory-installed position while making a press to ensure a consistent leak-proof connection. It may be necessary to rotate the tool locator ring to avoid interference between the ring and tool.

- 12 Start the pressing process; hold the trigger until the jaw has automatically released.
- 13 When press connection is complete, open and remove the jaw.

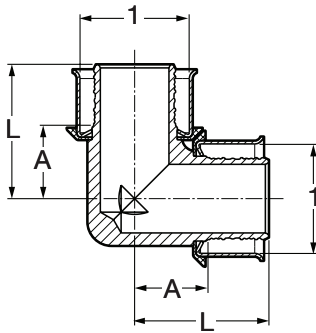
! **WARNING!** The tool locator ring must be present to ensure a proper PureFlow Press connection.

! **CAUTION!** Do not press twice.

3 Dimensional Documents

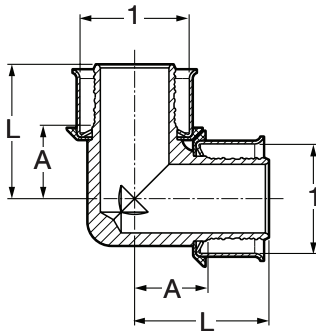
PureFlow Press Fittings

PureFlow Press 90° Elbow Zero Lead Bronze - Model 2816ZL



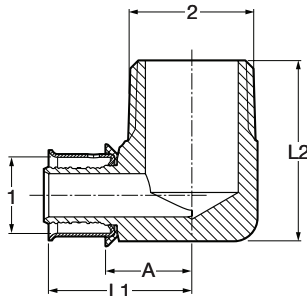
Part No.	Size (in)	A (in)	L (in)
	1 1		
93520	1/2 x 1/2	0.47	0.97
93540	3/4 x 3/4	0.59	1.09
93560	1 x 1	0.88	1.50
93570	1 1/4 x 1 1/4	0.95	1.81
93580	1 1/2 x 1 1/2	1.14	2.01
93590	2 x 2	1.33	2.38

PureFlow Press 90° Elbow Bronze - Model 2816NG



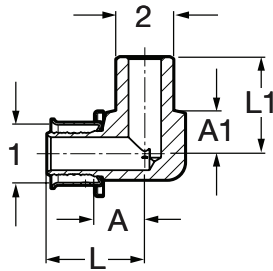
Part No.	Size (in)	A (in)	L (in)
	1 1		
93530*	5/8 x 5/8	0.59	1.09

PureFlow Press 90° Elbow Zero Lead Bronze P x MPT - Model 2814ZL



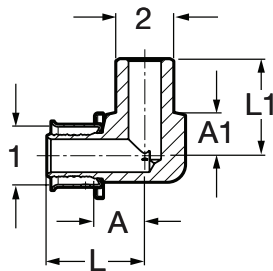
Part No.	Size (in)	A (in)	L1 (in)	L2 (in)
	1 2			
92520	1/2 x 1/2 MPT	0.64	1.13	1.06
92525	1/2 x 3/4 MPT	0.74	1.24	1.14
92540	3/4 x 3/4 MPT	0.74	1.24	1.13
92545	3/4 x 1 MPT	0.98	1.48	1.61
92560	1 x 1 MPT	0.98	1.60	1.61
92565	3/4 x 1 1/4 MPT	1.32	1.81	1.67
92570	1 x 1 1/4 MPT	1.31	1.93	1.67
92757	1 1/4 x 1 1/4 MPT	1.32	2.19	1.67
92580	1 1/2 x 1 1/2 MPT	1.34	2.21	1.73
92590	2 x 2 MPT	1.65	2.70	2.07

PureFlow Press 90° Elbow Zero Lead Bronze P x FTG - Model 2814.6ZL, 2814.7ZL



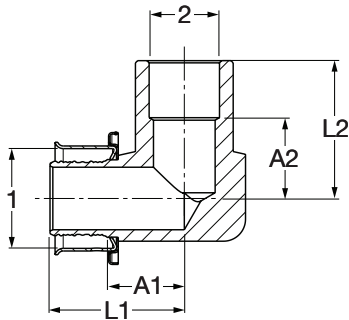
Part No.	Size (in)		A (in)	A1 (in)	L (in)	L1 (in)
	1	2				
99310	1/2	1/2	0.58	0.47	1.07	1.06
99307	1/2	3/4	0.70	0.42	1.20	1.23
99311	3/4	3/4	0.70	0.42	1.20	1.23

PureFlow Press 90° Elbow Zero Lead Bronze P x FTG - Model 2814.5NG



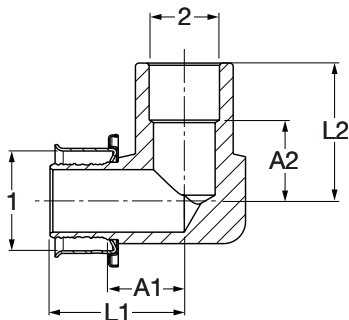
Part No.	Size (in)		A (in)	A1 (in)	L (in)	L1 (in)
	1	2				
99310	1/2	1/2	0.58	0.47	1.07	1.06
99307	1/2	3/4	0.70	0.42	1.20	1.23
99311	3/4	3/4	0.70	0.42	1.20	1.23

PureFlow Press 90° Elbow Zero Lead Bronze P x Copper - Model 2814.7ZL, 2815.5ZL



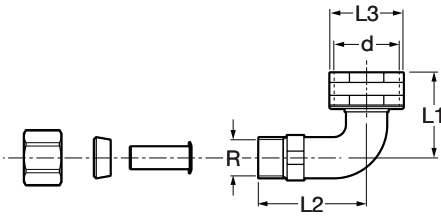
Part No.	Size (in)		A1 (in)	A2 (in)	L1 (in)	L2 (in)
	1	2				
99307	1/2	1/2	0.71	0.72	1.20	1.23
99308	1/2	3/4	0.68	0.47	1.18	1.22
99311	3/4	1/2	0.71	0.72	1.20	1.23
99309	3/4	3/4	0.68	0.47	1.18	1.22

PureFlow Press 90° Elbow Bronze P x Copper - Model 2814.5NG



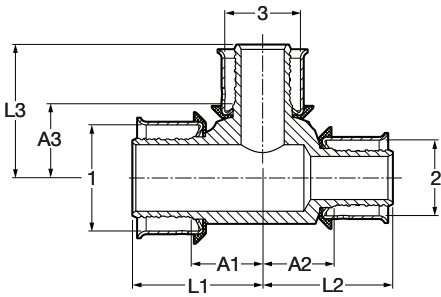
Part No.	Size (in)		A1 (in)	A2 (in)	L1 (in)	L2 (in)
	1	2				
89313	5/8	1/2	0.68	0.72	1.18	1.23
89312	5/8	3/4	0.68	0.48	1.18	1.23

PureFlow Compression 90° Elbow Zero Lead Copper CTS x Hose - Model V5053



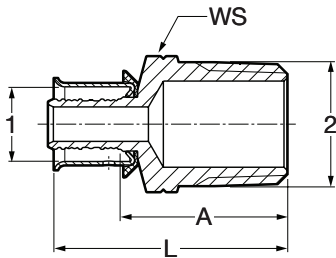
Part No.	Size (in) d R	L1 (in)	L2 (in)	L3 (in)
46743	3/8 CTS (1/2 O.D.) comp x 3/4 Hose	1.32	1.67	1.14

PureFlow Press Tee Zero Lead Bronze P x P x P - Model 2818ZL



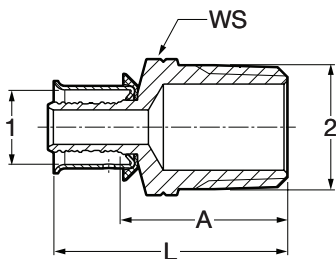
Part No.	Size (in) 1 2 3	A1 (in)	A2 (in)	A3 (in)	L1 (in)	L2 (in)	L3 (in)
94020	1/2 x 1/2 x 1/2	0.47	0.47	0.47	0.97	0.97	0.97
94022	1/2 x 1/2 x 3/4	0.62	0.62	0.59	1.12	1.12	1.09
94040	3/4 x 3/4 x 3/4	0.59	0.59	0.59	1.09	1.09	1.09
94032	3/4 x 1/2 x 1/2	0.59	0.59	0.62	1.09	1.09	1.12
94034	3/4 x 1/2 x 3/4	0.59	0.62	0.59	1.09	1.12	1.09
94036	3/4 x 3/4 x 1/2	0.59	0.59	0.62	1.09	1.09	1.12
94060	1 x 1 x 1	0.88	0.88	0.88	1.50	1.50	1.50
94037	1 x 1/2 x 1/2	0.58	0.59	0.82	1.20	1.08	1.32
94039	1 x 1/2 x 1	0.76	0.74	0.76	1.38	1.24	1.38
94038	1 x 3/4 x 1/2	0.58	0.59	0.82	1.20	1.08	1.32
94052	1 x 3/4 x 3/4	0.80	0.76	0.84	1.40	1.26	1.34
94053	1 x 3/4 x 1	0.76	0.71	0.76	1.38	1.20	1.38
94050	1 x 1 x 1/2	0.68	0.68	0.84	1.30	1.30	1.34
94056	1 x 1 x 3/4	0.80	0.80	0.84	1.42	1.42	1.34
94070	1 1/4 x 1 1/4 x 1 1/4	1.00	1.00	1.00	1.87	1.87	1.87
94071	1 1/4 x 1 x 3/4	0.73	0.74	0.98	1.59	1.36	1.48
94073	1 1/4 x 1 x 1	0.81	0.82	0.99	1.67	1.44	1.61
94072	1 1/4 x 1 1/4 x 3/4	0.79	0.73	0.99	1.59	1.59	1.48
94074	1 1/4 x 1 1/4 x 1	0.81	0.81	0.99	1.67	1.67	1.61
94080	1 1/2 x 1 1/2 x 1 1/2	1.14	1.14	1.14	2.01	2.01	2.01
94081	1 1/2 x 1 x 3/4	0.73	0.66	1.13	1.59	1.28	1.62
94082	1 1/2 x 1 x 1	0.85	0.86	1.13	1.71	1.48	1.75
94083	1 1/2 x 1 1/2 x 3/4	0.73	0.73	1.13	1.59	1.59	1.62
94084	1 1/2 x 1 1/2 x 1	0.85	0.85	1.19	1.71	1.71	1.81
94085	1 1/2 x 1 1/2 x 1 1/4	0.98	0.98	1.14	1.85	1.85	2.00
94090	2 x 2 x 2	1.33	1.33	1.33	2.38	2.38	2.38
94091	2 x 1 1/2 x 1	1.34	1.36	1.35	2.38	2.22	1.97
94092	2 x 1 1/2 x 1 1/4	1.34	1.36	1.40	2.38	2.22	2.26

PureFlow Press Adapter Zero Lead Bronze P x MPT - Model 2811ZL



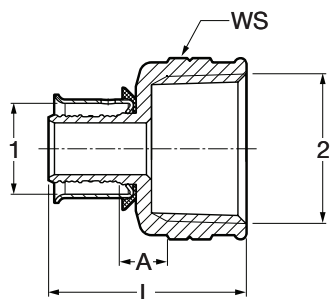
Part No.	Size (in)	A (in)	L (in)	WS (in)
	1 2			
90506	3/8 x 1/2 MPT	1.14	1.63	0.87
90521	1/2 x 1/2 MPT	1.10	1.59	0.87
90526	1/2 x 3/4 MPT	1.15	1.64	1.06
90542	3/4 x 1/2 MPT	1.10	1.59	0.87
90541	3/4 x 3/4 MPT	1.15	1.64	1.06
90546	3/4 x 1 MPT	1.41	1.91	1.34
90562	3/4 x 1 1/4 MPT	1.65	2.10	1.73
90556	1 x 3/4 MPT	1.18	1.80	1.06
90561	1 x 1 MPT	1.41	2.03	1.34
90566	1 x 1 1/4 MPT	1.60	2.22	1.73
90571	1 1/4 x 1 1/4 MPT	1.63	2.50	1.73
90581	1 1/2 x 1 1/2 MPT	1.79	2.66	1.97
90591	2 x 2 MPT	2.08	3.13	2.44

PureFlow Press Adapter Bronze P x MPT - Model 2811NG



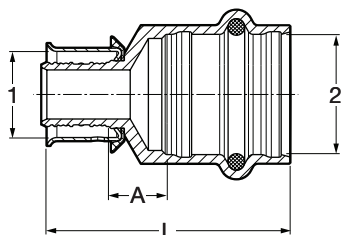
Part No.	Size (in)	A (in)	L (in)	WS (in)
	1 2			
80527	5/8 x 1/2 MPT	1.10	1.59	0.87
80531	5/8 x 3/4 MPT	1.15	1.64	1.06

PureFlow Press Adapter Zero Lead Bronze P x FPT - Model 2812ZL



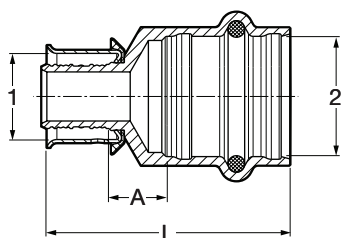
Part No.	Size (in)	A (in)	L (in)	WS (in)
	1 2			
91520	1/2 x 1/2 FPT	0.35	1.38	0.98
91525	1/2 x 3/4 FPT	0.37	1.42	1.20
91541*	3/4 x 1/2 FPT	0.31	1.34	0.98
91540	3/4 x 3/4 FPT	0.37	1.42	1.20
91545	1 x 3/4 FPT	0.40	1.58	1.20
91560	1 x 1 FPT	0.41	1.69	1.48
91570	1 1/4 x 1 1/4 FPT	0.58	2.13	1.85
91580	1 1/2 x 1 1/2 FPT	0.60	2.15	2.09
91590	2 x 2 FPT	0.62	2.36	2.60

PureFlow Press Adapter Smart Connect technology Zero Lead Bronze P x P - Model 2813PZL



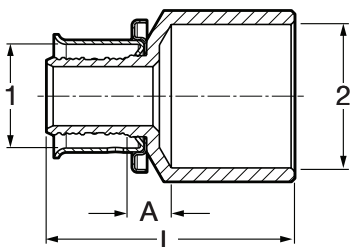
Part No.	Size (in)	A (in)	L (in)
	1 2		
99620	1/2 x 1/2	0.29	1.61
99626	1/2 x 3/4	0.43	1.83
99630	3/4 x 1/2	0.23	1.56
99640	3/4 x 3/4	0.33	1.73
99645	1 x 3/4	0.35	1.87
99660	1 x 1	0.45	1.97
99665	1 1/4 x 1	0.49	2.26
99670	1 1/4 x 1 1/4	0.49	2.38
99675	1 1/2 x 1	0.59	2.36
99680	1 1/2 x 1 1/2	0.59	2.87
99685	2 x 1	0.73	2.68
99690	2 x 2	0.55	2.99

PureFlow Press Adapter Smart Connect technology Bronze P x P - Model 2813PNG



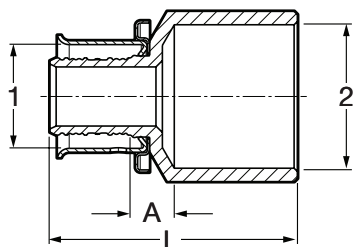
Part No.	Size (in)	A (in)	L (in)
	1 2		
69627	5/8 x 1/2	0.23	1.56
69628	5/8 x 3/4	0.33	1.73

PureFlow Press Adapter Zero Lead Bronze P x Copper - Model 2813.5ZL



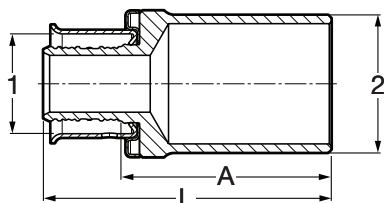
Part No.	Size (in)	A (in)	L (in)
	1 2		
92006	3/8 x 1/2	0.29	1.28
92021	1/2 x 1/2	0.23	1.24
92026	1/2 x 3/4	0.27	1.52
92036	3/4 x 1/2	0.20	1.18
92041	3/4 x 3/4	0.27	1.52
92045	3/4 x 1	0.37	1.77
92060	1 x 1	0.34	1.89
92070	1 1/4 x 1 1/4	0.43	2.28
92080	1 1/2 x 1 1/2	0.45	2.44
92090	2 x 2	0.43	2.60

PureFlow Press Adapter Bronze P x Copper - Model 2813.5NG



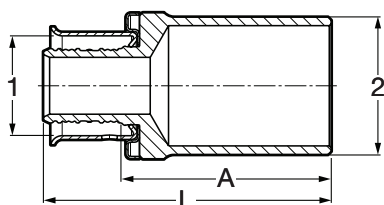
Part No.	Size (in)		A (in)	L (in)
	1	2		
82027	5/8	1/2	0.25	1.24
82031	5/8	3/4	0.27	1.52

PureFlow Press Adapter Zero Lead Bronze P x FTG - Model 2813.1ZL



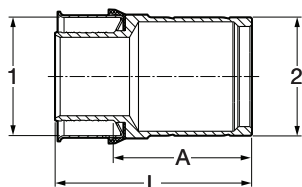
Part No.	Size (in)		A (in)	L (in)
	1	2		
97520	1/2	1/2	1.26	1.77
97525	1/2	3/4	1.34	1.83
97535	3/4	1/2	1.33	1.83
97540	3/4	3/4	1.45	1.95
97545	3/4	1	1.45	1.95
97560	1	1	1.51	2.13
97570	1 1/4	1 1/4	1.83	2.72
97580	1 1/2	1 1/2	2.21	3.07
97590*	2	2	2.36	3.41

PureFlow Press Adapter Bronze P x FTG - Model 2813.1NG



Part No.	Size (in)		A (in)	L (in)
	1	2		
97530	5/8	1/2	1.28	1.77
97531	5/8	3/4	1.39	1.89

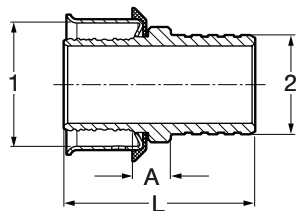
PureFlow Press Adapter Zero Lead Bronze P x FTG - Model 2813.3ZL



Part No.	Size (in)		A (in)	L (in)
	1	2		
97690*	2	2	2.50	3.54

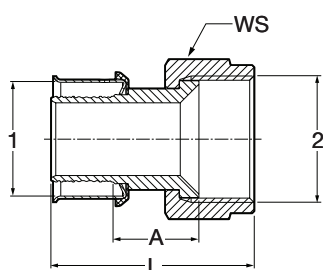
*For use with ProPress fittings only.

PureFlow Press Adapter Zero Lead Bronze P x PB - Model 2813.2ZL



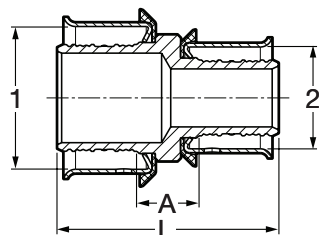
Part No.	Size (in)	A (in)	L (in)
	1 2		
97820	1/2 x 1/2	0.28	1.38
97840	3/4 x 3/4	0.28	1.38

PureFlow Press Adapter Zero Lead Bronze P x Flare - Model 2892ZL



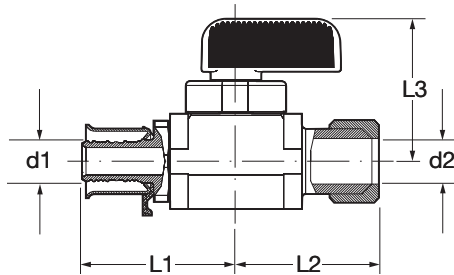
Part No.	Size (in)	A (in)	L (in)	WS (in)
	1 2			
97140	3/4 x 3/4 Flare	0.67	1.71	1.50
97160	1 x 3/4 Flare	0.86	2.03	1.50
97165	1 x 1 Flare	0.65	1.89	1.80

PureFlow Press Coupling Zero Lead Bronze P x P - Model 2815ZL



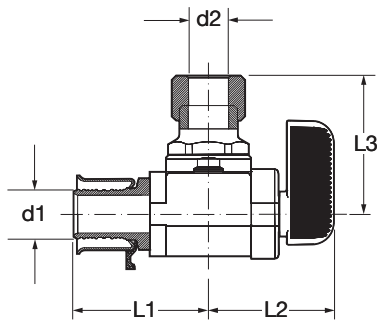
Part No.	Size (in)	A (in)	L (in)
	1 2		
93001	5/16 x 5/16	0.40	1.38
93000	3/8 x 3/8	0.40	1.38
93005	1/2 x 3/8	0.40	1.38
93020	1/2 x 1/2	0.40	1.38
93050	1/2 x 3/4	0.40	1.38
93030	5/8 x 5/8	0.40	1.38
93040	3/4 x 3/4	0.40	1.38
93055	3/4 x 1	0.46	1.58
93071	3/4 x 1 1/4	0.51	1.87
93072	3/4 x 1 1/2	0.51	1.87
93060	1 x 1	0.46	1.69
93065	1 x 1 1/4	0.54	2.03
93073	1 x 1 1/2	0.54	2.03
93070	1 1/4 x 1 1/4	0.67	2.40
93075	1 1/4 x 1 1/2	0.59	2.32
93080	1 1/2 x 1 1/2	0.67	2.40
93090	2 x 2	0.66	2.76
93091	2 x 1 1/2	0.69	2.60

PureFlow Press Stop Valve Straight Zero Lead Chrome Plated Brass P x CTS ¼ Turn - Model 2842.3ZL



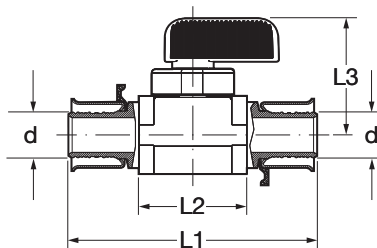
Part No.	Size (in)		L1 (in)	L2 (in)	L3 (in)
	d1	d2			
94023	¾ x ¼ CTS	(¾ OD) Comp	2.53	1.20	1.20
94031	½ x ¼ CTS	(¾ OD) Comp	2.51	1.20	1.20

PureFlow Press Stop Valve Angled Zero Lead Chrome Plated Brass P x CTS ¼ Turn - Model 2842.4ZL



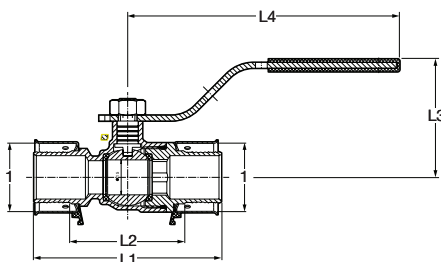
Part No.	Size (in)		L1 (in)	L2 (in)	L3 (in)
	d1	d2			
93515	¾ x ¼ CTS	(¾ OD) Comp	2.51	1.03	1.20
93511	½ x ¼ CTS	(¾ OD) Comp	2.51	1.03	1.20

PureFlow Press Ball Valve Zero Lead Brass P x P - Model 2842.2ZL



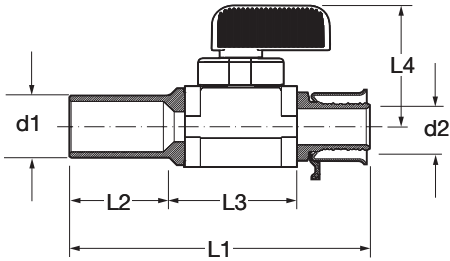
Part No.	Size (in)	L1 (in)	L2 (in)	L3 (in)
	d			
94500	¾	2.62	1.20	1.20
94521	½	2.59	1.20	1.20
94541	¾	2.72	1.30	1.30

PureFlow Press Ball Valve Zero Lead Brass P x P - Model 2870ZL



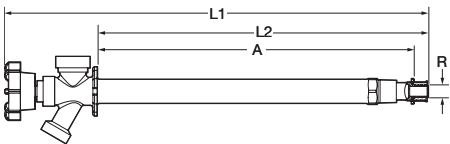
Part No.	Size (in)	L1 (in)	L2 (in)	L3 (in)	L4 (in)
	d				
98200	1	3.15	1.89	1.99	4.57
98201	1¼	3.60	1.75	2.10	4.57
98202	1½	3.88	2.15	2.47	5.77
98203	2	4.57	2.44	2.69	5.77

ProPress Valve Zero Lead Brass P x FTG - Model 2842.1ZL



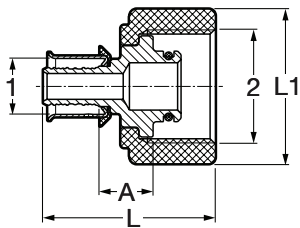
Part No.	Size (in) d1 d2	L1 (in)	L2 (in)	L3 (in)	L4 (in)
95002	1/2 x 1/2 FTG	3.01	1.20	1.10	1.20

PureFlow Press Wall Hydrant Zero Lead Chrome Plated Brass - Model 2888.0ZL



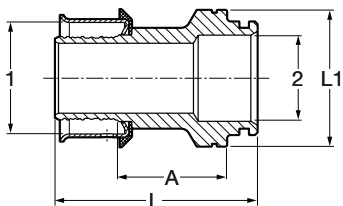
Part No.	R (in)	A (in)	L1 (in)	L2 (in)
97120	1/2	11.7	15.6	12.2
97121	3/4	11.8	15.7	12.3

PureFlow Press Port Adapter Zero Lead Bronze P x ManaBloc Port - Model 2877.3ZL



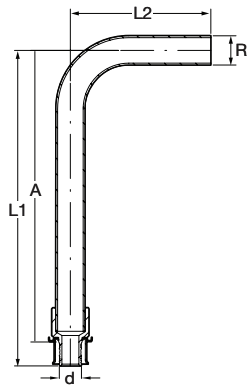
Part No.	Size (in) 1 2	A (in)	L (in)	L1 (in)
96101	3/8 x 1/2 Port	0.51	1.58	1.42
96120	1/2 x 1/2 Port	0.51	1.58	1.42

PureFlow Press Supply Adapter Zero Lead Bronze P x ManaBloc Supply - Model 2877.8ZL



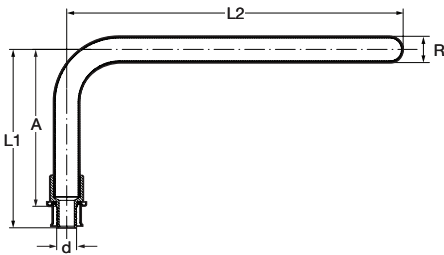
Part No.	Size (in) 1 2	A (in)	L (in)	L1 (in)
96141	3/4 x 1 ManaBloc	0.87	1.79	1.43
96161	1 x 1 ManaBloc	0.77	1.80	1.43

PureFlow Press Tub 90° Elbow Zero Lead Brazed Copper - Model 2820.0ZL



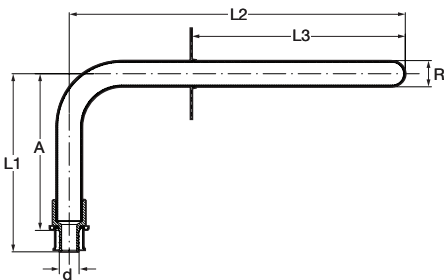
Part No.	Size (in) d R	A (in)	L1 (in)	L2 (in)
92221	1/2 x 1/2 Copper	6.22	6.74	3.00

PureFlow Press 90° Stub-out Brazed Copper P x FTG - Model 2820.1ZL



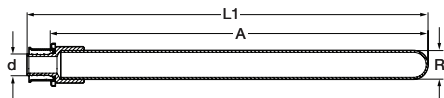
Part No.	Size (in) d R	A (in)	L1 (in)	L2 (in)
92406	3/8 x 1/2 Copper	3.76	4.28	8.00
92421	1/2 x 1/2 Copper	3.72	4.24	8.00
92441	3/4 x 3/4 Copper	4.77	4.24	8.00

PureFlow Press 90° Stub-out Brazed Copper P x FTG - Model 2820.4ZL



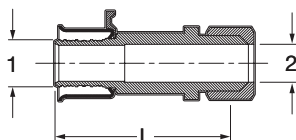
Part No.	Size (in) d R	A (in)	L1 (in)	L2 (in)	L3 (in)
92305	3/8 x 1/2 Copper	3.76	4.28	8.00	6.00
92321	1/2 x 1/2 Copper	3.72	4.24	8.00	6.00

PureFlow Press Stub-out Brazed Copper P x FTG - Model 2820.2ZL



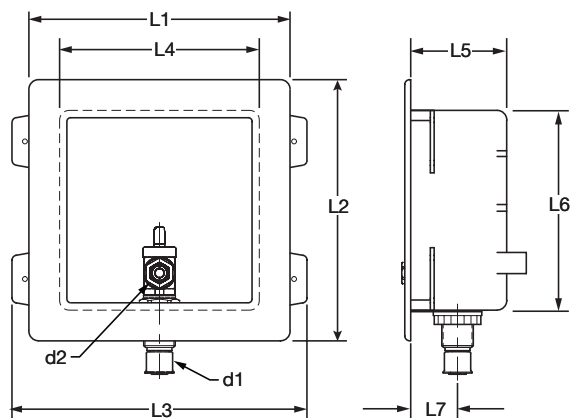
Part No.	Size (in) d R	A (in)	L1 (in)
92609	1/2 x 1/2 Copper	8.00	8.74
92616	1/2 x 1/2 Copper	15.00	15.74

PureFlow Press Adapter Zero Lead Bronze P x CTS - Model 2895ZL



Part No.	Size (in) 1 2	L (in)
97112	3/8 x 1/4 CTS (3/8 OD)	1.77
97113	1/2 x 1/4 CTS (3/8 OD)	1.77

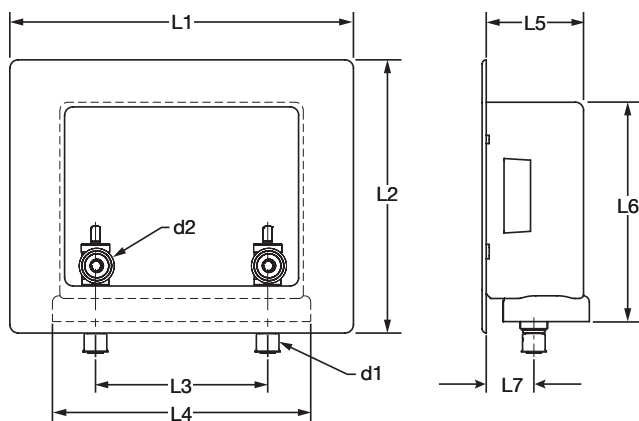
PureFlow Press Outlet box Zero Lead for Washing Machine, Ice Maker - Model 2872.0ZL, 2872.7ZL



Part No.	Size (in)		Face Plate		Box Dimensions				
	d1	d2	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)	L6 (in)	L7 (in)
98000	1/2 PEX x 1/4 O.D.		6.80	6.80	7.68	5.20	2.50	5.20	1.22
97220*	1/2 PEX x 1/4 O.D.		6.80	6.80	7.68	5.20	2.50	5.20	1.22

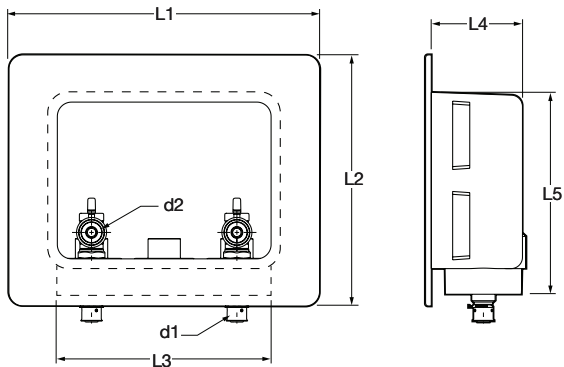
* with hammer arrestor

PureFlow Press Outlet Box Zero Lead for Washing Machine, Ice Maker - Model 2872.1US, 2872.6ZL



Part No.	Size (in)		Face Plate		Box Dimensions				
	d1	d2	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)	L6 (in)	L7 (in)
97001	1/2 PEX x 3/4 O.D.		10.40	8.30	5.20	7.40	2.90	6.60	1.43
97212*	1/2 PEX x 3/4 O.D.		10.40	8.30	5.20	7.40	2.90	6.60	1.43

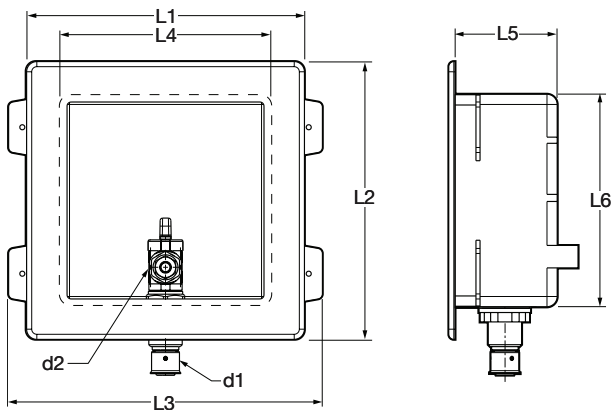
PureFlow Press Fire-Rated Outlet box Zero Lead for Washing Machine, Ice Maker - Model 2872.2, 2872.6



Part No.	Size (in)		Face Plate				
	d1	d2	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)
97006	1/2 PEX x 1/4 O.D.		10.90	8.80	8.20	3.40	7.10
97008*	1/2 PEX x 1/4 O.D.		10.90	8.80	8.20	3.40	7.10

* with hammer arrestor

PureFlow Press Fire-Rated Outlet Box Zero Lead for Washing Machine, Ice Maker - Model 2872.5, 2872.3



Part No.	Size (in)		Face Plate			Box Dimensions		
	d1	d2	L1 (in)	L2 (in)	L3 (in)	L4 (in)	L5 (in)	L6 (in)
98001	1/2 PEX x 3/4 O.D.		5.25	7.29	6.90	3.90	2.83	5.69
97007*	1/2 PEX x 3/4 O.D.		5.25	7.29	6.90	3.90	2.83	5.69

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SM-PF 1119 PureFlow Press Fittings

