

## PureFlow Press

Known for forward-thinking system solutions, Viega offers complete plumbing systems for potable water. By combining the highest-rated PEX tubing on the market (according to industry standards) with the revolutionary Viega ManaBloc and press manifolds, as well as press fittings, the Viega PureFlow System saves time, labor and cost. The first press system for the PEX market, Viega PureFlow Press fittings have factory-attached sleeves that improve consistency and reduce installation errors.

Available in high-performance polymer and Viega Zero Lead bronze, Viega PureFlow Press fittings are ideal for residential and commercial jobs. Viega also offers fittings for easy copper-to-PEX transitions; and system-matched tools and jaws make installation easy and consistent. Viega PureFlow also includes the versatile Viega FostaPEX multilayered tubing designed to be both highly flexible and form stable to retain its shape for plumbing and radiant heating applications.

### FEATURES AND BENEFITS

- The original press fitting for PEX tubing
- Factory-assembled fittings with attached stainless steel sleeves reduce installation errors
- Available in sizes from 3/8" to 2"
- The only PEX fittings with Viega Smart Connect technology
- 25-year limited warranty

### CODES AND STANDARDS

- CSA B214: Installation Code for Hydronic Heating Systems
- IAPMO: California Plumbing Code (CPC)
- IAPMO: National Standard Plumbing Code (NSPC)
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Plumbing Code (UPC)
- IAPMO: Uniform Solar, Hydronics and Geothermal Code (USHGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Plumbing Code (IPC)
- ICC: International Residential Code (IRC)
- National Building Code of Canada (NBCC)
- National Plumbing Code of Canada (NPCC)

### LISTINGS AND CERTIFICATIONS

- ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM F2023: Standard Test Method for Evaluating the Oxidative Resistance of Cross-linked Polyethylene PEX Tubing and Systems to Hot Chlorinated Water
- ASTM F3347: Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- ASTM F3348: Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- ASTM F876: Standard Specification for Cross-linked Polyethylene (PEX) Tubing
- ASTM F877: Standard Specification for Cross-linked Polyethylene (PEX) Water Distribution System
- AWWA C904: Cross-linked Polyethylene (PEX) Pressure Pipe for Water Service
- CAN/ULC S101: Standard Method of Test for Surface Burning Characteristics

- CAN/ULC S102.2: Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies
- CSA B137.5: Standard Specification for PEX Tubing Systems in Pressure Applications
- HUD MR1276: Housing and Urban Development Materials Release
- IAPMO file 3700 (Potable Water Distribution Manifold)
- IAPMO file 4030 Cross-linked Polyethylene Water Distribution System (PEX)
- IAPMO file 4874 (FostaPEX)
- ICC-ES PMG-1038 (PureFlow)
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
- NSF/ANSI 14: Plastics Piping System Components and Related Materials
- NSF/ANSI/CAN 61: Drinking Water Systems Components – Health Effects
- NSF/ANSI 372: Drinking Water Systems Components – Lead Content
- NSF/ANSI 359: Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems
- UL/ANSI 1821: Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service
- UL/ANSI 263: Fire Tests of Building Construction and Materials
- UL 1821: Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service under Listings and Certifications
- UL 2846: Fire Test of Plastic Water Distribution Plumbing Pipe for Visible Flame and Smoke Characteristics

### ZERO LEAD

References to Zero Lead throughout this publication mean products meet the requirements of both NSF/ANSI 372 ( $\leq 0.25\%$  maximum weighted average lead content) and NSF/ANSI/CAN 61.

### NOTE

A green dot on a Viega PureFlow Press polymer fitting indicates Smart Connect technology.

## Couplings



**Viega PureFlow Press coupling**  
Zero Lead  
- Bronze  
- Press connection  
**Model 2815ZL**

P1	P2	Wt [lb]	Quantity	Part No	DG
3/8	3/8	0.041	10	93000	6
1/2	3/8	0.048	10	93005	6
1/2	1/2	0.052	10	93020	6
3/4	1/2	0.070	10	93050	6
3/4	3/4	0.073	10	93040	6
1	3/4	0.113	10	93055	6
1	1	0.131	10	93060	6
1 1/4	3/4	0.187	5	93071	6
1 1/4	1	0.210	5	93065	6
1 1/4	1 1/4	0.260	5	93070	6
1 1/2	3/4	0.238	5	93072	6
1 1/2	1	0.246	5	93073	6
1 1/2	1 1/4	0.289	5	93075	6
1 1/2	1 1/2	0.317	5	93080	6
2	1 1/2	0.491	5	93091	6
2	2	0.573	5	93090	6



**Viega PureFlow Press coupling**  
Smart Connect technology  
- Polymer  
- Press connection  
**Model V5615**

P1	P2	Wt [lb]	Quantity	Part No	DG
3/8	3/8	0.022	25	49402	6
1/2	3/8	0.024	25	49342	6
1/2	1/2	0.027	25	49403	6
3/4	1/2	0.034	25	49343	6
3/4	3/4	0.040	25	49404	6
1	3/4	0.055	10	49354	6
1	1	0.068	10	49405	6
1 1/4	3/4	0.101	5	49347	6
1 1/4	1	0.112	5	49357	6
1 1/4	1 1/4	0.151	5	49407	6
1 1/2	3/4	0.118	5	49348	6
1 1/2	1	0.133	5	49358	6
1 1/2	1 1/4	0.165	5	49378	6
1 1/2	1 1/2	0.190	5	49408	6
2	1 1/2	0.270	1	49398	6
2	2	0.305	1	49409	6



**Viega PureFlow Press test plug**  
Smart Connect technology  
- Polymer  
- Press connection  
**Model V5656**

P	Wt [lb]	Quantity	Part No	DG
3/8	0.011	25	49722	6
1/2	0.015	25	49723	6
3/4	0.022	25	49744	6
1	0.038	10	49765	6
1 1/4	0.082	5	49770	6
1 1/2	0.095	5	49780	6
2	0.154	1	49790	6



**Viega PureFlow Press transition coupling**  
Smart Connect technology  
Zero Lead  
- For transitioning between Viega PureFlow Press and Viega ProPress  
- Bronze  
- Press connection  
**Components**  
EPDM sealing elements  
**Note**  
ProPress and PureFlow tool and jaws required  
**Model 2813PZL**

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.076	10	99620	6
1/2	3/4	0.115	10	99626	6
3/4	1/2	0.078	10	99630	6
3/4	3/4	0.115	10	99640	6
1	3/4	0.136	10	99645	6
1	1	0.184	10	99660	6
1 1/4	1	0.236	5	99665	6
1 1/4	1 1/4	0.287	5	99670	6
1 1/2	1	0.276	5	99675	6
1 1/2	1 1/2	0.447	5	99680	6
2	1	0.459	5	99685	6
2	2	0.723	5	99690	6

## Heating and Cooling Solutions

Radiant heating systems have been around since 10,000 B.C., but Viega has made them more efficient, reliable and easier to install. Viega offers a full line of prefabricated Climate Mats for wet installs, panels for dry installs, tubing, manifolds, mixing options and controls engineered to work together. Radiant heating and cooling solutions can reduce energy costs by up to 30% for both residential and commercial buildings. Our hands-on design team can provide you with a complete design and bill of materials, so you know you have everything you need for a properly functioning system.

### FEATURES AND BENEFITS

- Faster and easier than traditional radiant installation
- Typically reduces energy costs from 10-30%
- Minimizes circulation of dust, allergens and airborne contaminants
- Proven press technology helps to ensure secure connections
- 30-year warranty on Viega Barrier PEX, FostaPEX and PureFlow Press metal and polymer fittings
- Technical support
- Design and layout services

### CODES AND STANDARDS

- CSA B214: Installation Code for Hydronic Heating Systems
- IAPMO: California Mechanical Code (CMC)
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Solar, Hydronics and Geothermal Code (USHGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Residential Code (IRC)
- International Energy Conservation Code (IECC)
- National Building Code of Canada (NBCC)

### LISTINGS AND CERTIFICATIONS

- ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM F876: Standard Specification for Cross-linked Polyethylene (PEX) Tubing
- ASTM F877: Standard Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems
- ASTM F3253: Standard Specification for Cross-linked Polyethylene (PEX) Tubing with Oxygen Barrier for Hot- and Cold-Water Hydronic Distribution Systems
- ASTM F3347: Standard Specification for Metal Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- ASTM F3348: Standard Specification for Plastic Press Insert Fittings with Factory Assembled Stainless Steel Press Sleeve for SDR9 Cross-linked Polyethylene (PEX) Tubing
- CAN/ULC S101: Standard Methods for Test for Surface Burning Characteristics
- CAN/ULC S102.2: Standard Methods for Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies
- CSA B137.5: Standard Specification for PEX Tubing in Pressure Applications
- CSA B214: Installation Code for Hydronic Heating Systems
- HUD MR1276: Housing and Urban Development
- IAPMO File 4030 (PureFlow)
- IAPMO File 4874 (FostaPEX)

- ICC-ES LC 1004: PMG Listing Criteria for PP, PEX, PEX-AL-PEX, and PP-AL-PP Piping, Tube and Fittings Used in Radiant
- ICC-ES PMG-1015 (ProRadiant)
- Heating and Water Supply Systems
- NSF/ANSI 14: Plastic Piping Systems Components and Related Materials
- UL 263/ANSI: Safety Fire Tests for Building Construction and Materials

### NOTE

A green dot on a Viega PureFlow Press fitting indicates Smart Connect technology.

## Adapters



**Viega PureFlow Press adapter**  
 - Bronze  
 - Press connection, male pipe thread  
**Model 2811NG**

P	MPT	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.119	5	<b>80527</b>	4
5/8	3/4	0.165	5	<b>80531</b>	4



**Viega PureFlow Press adapter**  
**Zero Lead**  
 - Bronze  
 - Press connection, male pipe thread  
**Model 2811ZL**

P	MPT	Wt [lb]	Quantity	Part No	DG
3/8	1/2	0.101	10	<b>90506</b>	6
1/2	1/2	0.098	10	<b>90521</b>	6
1/2	3/4	0.152	10	<b>90526</b>	6
3/4	1/2	0.113	10	<b>90542</b>	6
3/4	3/4	0.160	10	<b>90541</b>	6
3/4	1	0.283	10	<b>90546</b>	6
3/4	1 1/4	0.507	2	<b>90562</b>	6
1	3/4	0.182	10	<b>90556</b>	6
1	1	0.284	10	<b>90561</b>	6
1	1 1/4	0.524	2	<b>90566</b>	6
1 1/4	1 1/4	0.564	2	<b>90571</b>	6
1 1/2	1 1/2	0.683	2	<b>90581</b>	6
2	2	1.104	5	<b>90591</b>	6



**Viega PureFlow Press adapter**  
**Zero Lead**  
 - Bronze  
 - Press connection, female pipe thread  
**Model 2812ZL**

P	FPT	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.101	10	<b>91520</b>	6
1/2	3/4	0.135	10	<b>91525</b>	6
3/4	1/2	0.110	10	<b>91541</b>	6
3/4	3/4	0.141	10	<b>91540</b>	6
1	3/4	0.166	10	<b>91545</b>	6
1	1	0.239	10	<b>91560</b>	6
1 1/4	1 1/4	0.436	5	<b>91570</b>	6
1 1/2	1 1/2	0.511	5	<b>91580</b>	6
2	2	0.818	5	<b>91590</b>	6



**Viega PureFlow Press adapter**  
**Smart Connect technology**  
 - Bronze  
 - Press connection  
**Components**  
 EPDM sealing elements  
**Model 2813PNG**

P1	P2	Wt [lb]	Quantity	Part No	DG
5/8	1/2	0.081	5	<b>69627</b>	4
5/8	3/4	0.134	5	<b>69628</b>	4



**Viega PureFlow Press transition coupling**  
**Smart Connect technology**  
**Zero Lead**  
 - For transitioning between Viega PureFlow Press and Viega ProPress  
 - Bronze  
 - Press connection  
**Components**  
 EPDM sealing elements  
**Note**  
 ProPress and PureFlow tool and jaws required  
**Model 2813PZL**

P1	P2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.076	10	<b>99620</b>	6
1/2	3/4	0.115	10	<b>99626</b>	6
3/4	1/2	0.078	10	<b>99630</b>	6
3/4	3/4	0.115	10	<b>99640</b>	6
1	3/4	0.136	10	<b>99645</b>	6
1	1	0.184	10	<b>99660</b>	6
1 1/4	1	0.236	5	<b>99665</b>	6
1 1/4	1 1/4	0.287	5	<b>99670</b>	6
1 1/2	1	0.276	5	<b>99675</b>	6
1 1/2	1 1/2	0.447	5	<b>99680</b>	6
2	1	0.459	5	<b>99685</b>	6
2	2	0.723	5	<b>99690</b>	6



**Viega ProPress 90° extended street elbow**  
**Smart Connect technology**  
 - For use with ASTM B88 and B75 tubing  
 - Copper  
 - Press connection, street  
**Components**  
 EPDM sealing element  
**Model 2947**

P	FTG (CTS)	Wt [lb]	Quantity	Part No	DG
3/4	3/4	0.386	5	<b>77353*</b>	8

FTG (CTS) = TEST  
 \* = Available while supplies last