

1 System Data Sheet

PureFlow Press Fittings



Viega PureFlow Press fittings are available in zero lead bronze and polymer and include a factory-assembled, stainless steel sleeve with three viewing holes and a tool

locator ring to ensure a proper PEX press connection. Viega PureFlow Press is the most complete potable water and hydronic system solution available in North America.

PureFlow Press fittings are available in sizes ranging from $\frac{5}{16}$ " to 2" in elbows, tees, adapters, couplings, polymer manifolds, and valves. The $\frac{5}{16}$ " and $\frac{3}{8}$ " bronze fittings are not zero lead and are for use in radiant systems only.

Components

- Zero lead bronze fittings use high quality zero lead material
- Polymer fittings use high-grade polymer (polyphenylsulfone)
- Stainless steel press sleeves are 304 stainless steel

Operating Parameters

- Operating Temperature: 180°F max (potable)
200°F max (hydronic)
- Operating Pressure: 160 psi max at 73°F
100 psi max at 180°F
- Test Pressure: Recommended: 100 psi, Maximum: 160 psi

Listings and Certifications

- | | |
|-------------------------|------------------------|
| ■ ASTM E84 | ■ HUD MR-1276 |
| ■ ASTM F3347 | ■ ICC-ES PMG 1038/1015 |
| ■ ASTM F3348 | ■ NSF-pw 372 |
| ■ CAN/ULC S101 / S102.2 | ■ UL 1821 |
| ■ CSA B137.5 | ■ UL 263 |

Compliant With

- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- International Residential Code (IRC)
- National Fire Protection Association - 13D (NFPA)
- National Standard Plumbing Code (NSPC)
- Uniform Mechanical Code (UMC)
- Uniform Plumbing Code (UPC)
- Housing for Urban Development (HUD)
- Canadian Standards Association (CSA)
- National Plumbing Code of Canada (NPCC)
- National Building Code of Canada (NBCC)

Approved Applications

- Hot and cold potable water
- Rainwater/gray water
- Hydronic heating and cooling*
- Fire Sprinkler** - NFPA 13D

*Viega Barrier PEX tubing only.

**Black Viega PureFlow PEX sizes $\frac{3}{4}$ " through 2" only.

For more specific information on applications for PureFlow systems, contact Viega Technical Services at 1-800-976-9819.

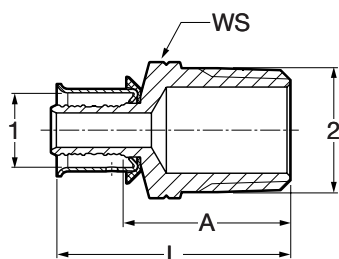
Viega's PureFlow systems meet or exceed all requirements of ASTM F876/877 and are approved for installations above and below ground.

Recommended Tools

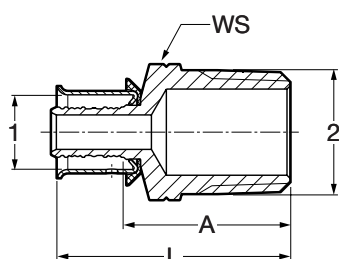
- Compact-size press tools (minimum hydraulic ram output of 5,400 lbs.) can be used to press $\frac{5}{16}$ " to 1 $\frac{1}{2}$ "
- Standard press tools (minimum hydraulic ram output of 7,200 lbs.) can be used to press $\frac{1}{2}$ " to 2"
- Hand tools ($\frac{5}{16}$ " to 1")

Smart Connect® Technology

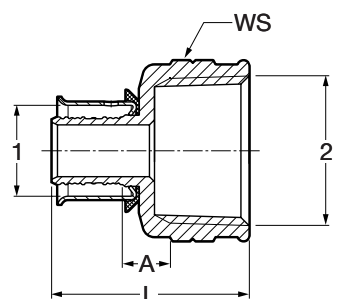
Viega PureFlow Press fittings are manufactured with Viega's unique Smart Connect technology. Designed into the fitting itself, Viega Smart Connect technology allows identification of an unpressed fitting during pressure testing.

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


Part No.	Size (in)		A (in)		L (in)		WS (in)	
	1	2	Dec	Frac	Dec	Frac	Dec	Frac
90506	3/8	1/2 MPT	1.14	1 1/8	1.63	1 5/8	0.87	7/8
90521	1/2	1/2 MPT	1.10	1 1/8	1.59	1 9/16	0.87	7/8
90526	1/2	3/4 MPT	1.15	1 1/8	1.64	1 5/8	1.06	1 1/16
90542	3/4	1/2 MPT	1.10	1 1/8	1.59	1 9/16	0.87	7/8
90541	3/4	3/4 MPT	1.15	1 1/8	1.64	1 5/8	1.06	1 1/16
90546	3/4	1 MPT	1.41	1 7/16	1.91	1 15/16	1.34	1 5/16
90562	3/4	1 1/4 MPT	1.65	1 5/8	2.10	2 1/8	1.73	1 3/4
90556	1	3/4 MPT	1.18	1 3/16	1.80	1 13/16	1.06	1 1/16
90561	1	1 MPT	1.41	1 7/16	2.03	2 1/16	1.34	1 5/16
90566	1	1 1/4 MPT	1.60	1 5/8	2.22	2 1/4	1.73	1 3/4
90571	1 1/4	1 1/4 MPT	1.63	1 5/8	2.50	2 1/2	1.73	1 3/4
90581	1 1/2	1 1/2 MPT	1.79	1 13/16	2.66	2 11/16	1.97	2
90591	2	2 MPT	2.08	2 1/16	3.13	3 1/8	2.44	2 7/16

PureFlow Press Adapter Bronze P x MPT - Model 2811NG


Part No.	Size (in)		A (in)		L (in)		WS (in)	
	1	2	Dec	Frac	Dec	Frac	Dec	Frac
80527	5/8	1/2 MPT	1.10	1 1/8	1.59	1 9/16	0.87	7/8
80531	5/8	3/4 MPT	1.15	1 1/8	1.64	1 5/8	1.06	1 1/16

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


Part No.	Size (in)		A (in)		L (in)		WS (in)	
	1	2	Dec	Frac	Dec	Frac	Dec	Frac
91520	1/2	1/2 FPT	0.35	3/8	1.38	1 3/8	0.98	1
91525	1/2	3/4 FPT	0.37	3/8	1.42	1 7/16	1.20	1 3/16
91541*	3/4	1/2 FPT	0.31	5/16	1.34	5/16	0.98	1
91540	3/4	3/4 FPT	0.37	3/8	1.42	1 7/16	1.20	1 3/16
91545	1	3/4 FPT	0.40	3/8	1.58	1 9/16	1.20	1 3/16
91560	1	1 FPT	0.41	7/16	1.69	1 11/16	1.48	1 1/2
91570	1 1/4	1 1/4 FPT	0.58	9/16	2.13	2 1/8	1.85	1 7/8
91580	1 1/2	1 1/2 FPT	0.60	5/8	2.15	2 1/8	2.09	2 1/16
91590	2	2 FPT	0.62	5/8	2.36	2 3/8	2.60	2 5/8

*UL1821 listed for use in NFPA 13D systems