

# Submittal Package

**viega**

## Viega PureFlow Crimp Zero Lead Eco Brass Fittings

### Technical Data

Materials:

Fittings.....	Eco Brass®
Crimp Rings.....	Copper (black)
MANABLOC® Manifolds.....	Polysulfone (plastic) with Eco Brass or PolyAlloy™ fittings
PureFlow Crimp Copper Manifolds.....	Copper with Eco Brass alloy fittings
PureFlow Crimp Poly Manifolds.....	PolyAlloy crimp connections
Valves.....	Eco Brass and PolyAlloy
Viega PureFlow PEX Tubing.....	PEX (crosslinked polyethylene)

### Applications

PureFlow Crimp Zero Lead Brass and PureFlow Crimp PolyAlloy fittings are intended for use in potable water systems. They can be directly buried in soil but shall be wrapped (fittings used in concrete shall also be wrapped). Fittings are manufactured with PureFlow Crimp barbs for use with Viega PureFlow, crimp rings and tools.

### Installation

- Use only ASTM F1807 crimp rings and approved full circle crimp tools to make connections.
- Keep flame and excessive heat away from tubing and connections.
- Refer to the PureFlow Water Systems Installation Manual for additional information.

“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).

### Codes Approvals & Standards

ANSI/NSF 61-G

cNSF® us pw-G

CSA B137.5

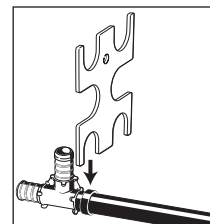
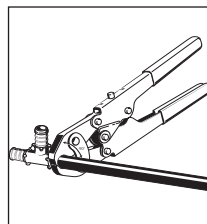
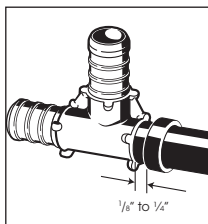
U.P. Code

UPC®

ASTM F876 / F877

ASTM F1807 / F2159

ICC ES-PMG™ 1038



### THREE SIMPLE STEPS TO A SECURE Pure-Flow Crimp FITTING CONNECTION.

1. SLIDE CRIMP RING OVER END OF SQUARED OFF TUBING, FULLY INSERT FITTING INTO TUBING AND POSITION THE RING 1/8" TO 1/4" FROM THE END OF TUBING.
2. KEEP THE TOOL AT 90° AND CLOSE THE HANDLES COMPLETELY. DO NOT CRIMP TWICE.
3. CHECK CRIMP WITH GO/NO GO GAUGE.

# Submittal Package

**viega**

## Viega PureFlow Crimp Zero Lead Eco Brass Fittings

### Viega PureFlow PEX Tubing

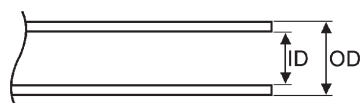
Material.....PEX crosslinked polyethylene

Temperature/Pressure Ratings...200°F at 80 psi

180°F at 100 psi

73.4°F at 160 psi

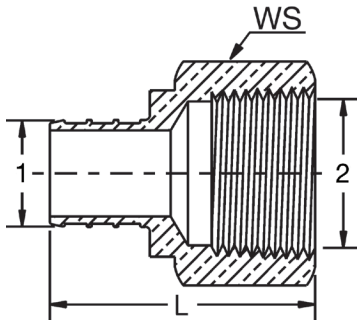
Linear Expansion Rate.....1.1"/100'/10°F



Nominal Size	Inner Diameter	Outer Diameter	Wall Thickness
3/8"	0.35	0.500±.003	0.070±.010
1/2"	0.47	0.625±.004	0.070±.010
3/4"	0.67	0.875±.004	0.097±.010
1"	0.86	1.125±.005	0.125±.013

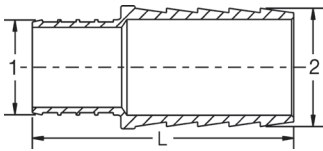
# Submittal Package

**viega**



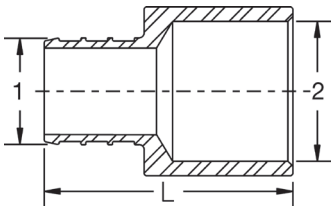
**Viega PureFlow Crimp Adapter Zero Lead Brass Crimp x FPT - Model V5012ZL**

Part Number	Size	L (in)	WS (in)
	1 2		
46323	3/8" x 1/2" F NPT	1.62	1.00
46333	1/2" x 1/2" F NPT	1.62	1.00
46334	1/2" x 3/4" F NPT	1.67	1.25
46344	3/4" x 3/4" F NPT	1.67	1.25
46345	3/4" x 1" F NPT	1.89	1.50
46355	1" x 1" F NPT	2.07	1.50



**Viega PureFlow Crimp Adapter Zero Lead Brass Crimp x PB - Model V5017ZL**

Part Number	Size	L (Inches)
	1 2	
46145	3/4" x 3/4" PE	1.94
46156	1" x 1" PE	2.39



**Viega PureFlow Crimp Adapter Zero Lead Brass Crimp x C - Model V5045ZL**

Part Number	Size	L (in)
	1 2	
46635	1/2" x 1/2" F Sweat	1.33
46645	3/4" x 3/4" F Sweat	1.57

**Viega PureFlow Crimp Adapter Zero Lead Copper Crimp x C - Model V5045ZL**

Part Number	Size	L (in)
	1 2	
40655	1" x 1" F Sweat	2.13