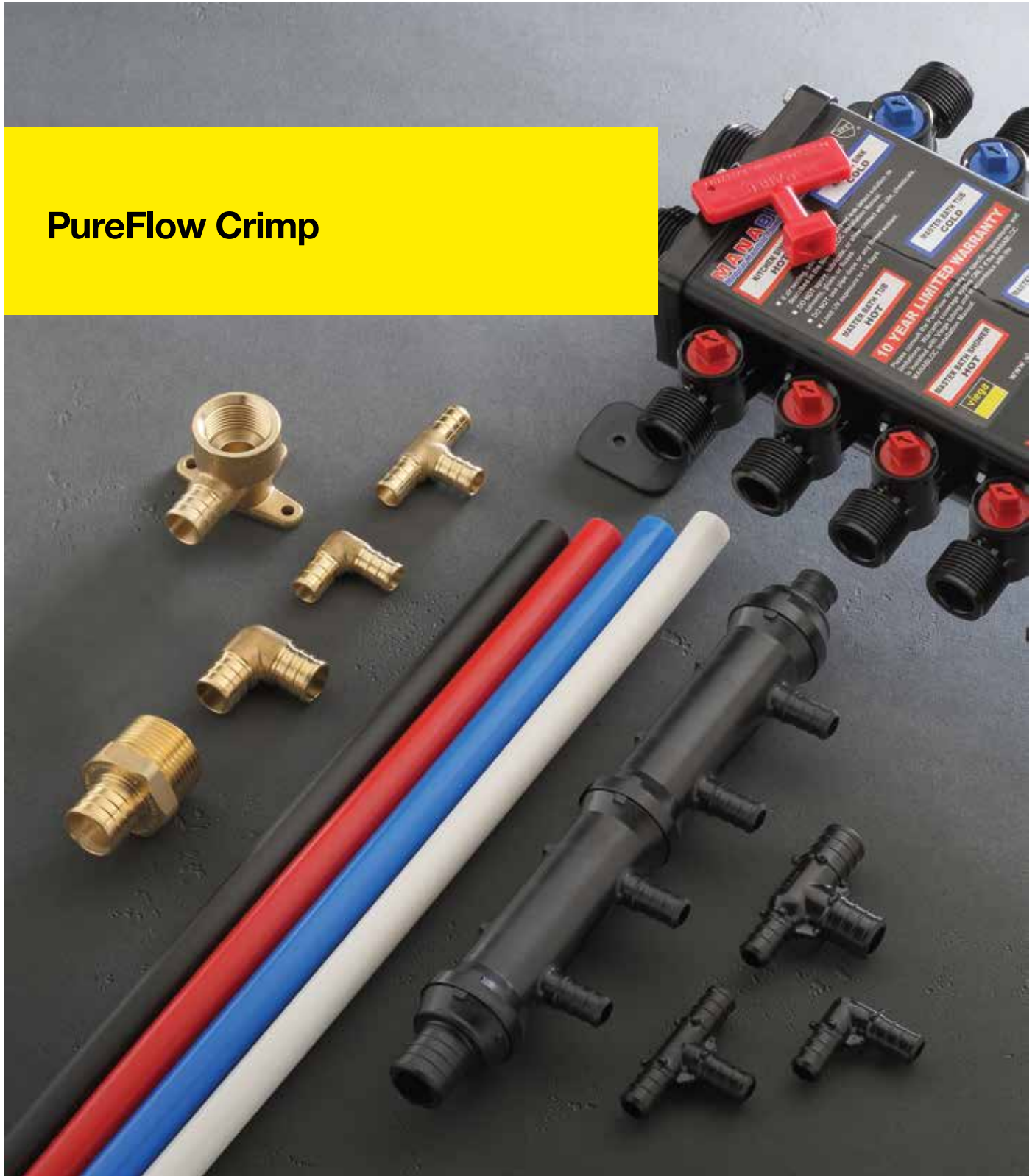


PureFlow Crimp



PureFlow Crimp

With the reliability and quality required for potable water, Viega PureFlow Crimp fittings are part of Viega's complete plumbing solution. Matched with the revolutionary Viega ManaBloc water distribution system and the highest-rated PEX tubing in the industry (according to industry standards), Viega PureFlow Crimp fittings are a time-tested method for joining PEX.

FEATURES AND BENEFITS

- EcoBrass fittings provide better corrosion resistance than other brass fittings
- High-performance polyalloy fittings are made in the USA
- Peace of mind from durable materials and quality manufacturing
- Available in sizes $\frac{3}{8}$ " to 1"
- 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 F876: Standard Specification for Cross-linked Polyethylene (PEX) Tubing
- ASTM F877: Standard Specification for Cross-linked Polyethylene (PEX) Water Distribution System
- ASTM F1807/F2159: Standard Specification for Cross-linked Polyethylene (PEX) Insert Fittings
- ASTM F2023: Standard Test Method for Evaluating the Oxidative Resistance of Cross-linked Polyethylene PEX Tubing and Systems to Hot Chlorinated Water
- 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)
- 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
- UL 1821: Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service
- 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

Crimp rings are not sold with any PureFlow Crimp product unless otherwise specified.


Viega PureFlow Crimp coupling

- PolyAlloy
- Crimp connection
- Model V5215**

Crimp1	Crimp2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.006	800	43033	3
3/4	3/4	0.012	500	43044	3
3/4	1/2	0.010	500	43043	3
3/8	3/8	0.004	50	43402	3
1/2	1/2	0.006	100	43403	3
1/2	3/8	0.006	50	43332	3
3/4	1/2	0.010	50	43343	3
3/4	3/4	0.012	50	43404	3
1	1/2	0.019	10	43353	3
1	3/4	0.021	10	43354	3
1	1	0.024	10	43355	3


Viega PureFlow Crimp test plug

- PLS
- Crimp connection
- Model V5058**

Crimp	Wt [lb]	Quantity	Part No	DG
3/8	0.003	100	43702	3
1/2	0.004	100	43723	3
3/4	0.007	50	43744	3
1	0.015	50	43765	3

Valves

**Viega PureFlow Crimp ball valve
Zero Lead**

- Brass
- Crimp connection
- 1/4 turn, full port
- Model V5037ZL**

Crimp1	Crimp2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.257	10	46031	2
3/4	3/4	0.395	10	46044	2
1	1	0.643	10	46060	2


**Viega PureFlow Crimp ball valve
Zero Lead**

- Chrome-plated brass
- Crimp connection
- 1/4 turn, full port
- Model V5023ZL**

Crimp1	Crimp2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.258	10	46021	2


Viega PureFlow Crimp valve

- PolyAlloy
- Crimp connection
- 1/4 turn
- Model V5236**

Crimp1	Crimp2	Wt [lb]	Quantity	Part No	DG
1/2	1/2	0.066	10	43030	3
3/4	3/4	0.080	10	43040	3


**Viega PureFlow Crimp stop valve
Straight**

- Chrome-plated brass
- Crimp connection
- 1/4 turn
- Model V5026ZL**

Crimp	CTS	Wt [lb]	Quantity	Part No	DG
3/8	1/4	0.320	1	46001	2
1/2	1/4	0.290	1	46022	2


**Viega PureFlow Crimp stop valve
Angled**

- Zero Lead
- Equipped with ferrule Part No 53005, Viega PureFlow Crimp ring Model V5019.9
- Chrome-plated brass
- Crimp connection
- 1/4 turn
- Model V5064ZL**

Crimp	CTS	Wt [lb]	Quantity	Part No	DG
3/8	1/4	0.315	1	46002	2
1/2	1/4	0.310	1	46025	2

Valves



5.1

viega

Valves

Viega offers shutoff valves to support system installations of ProPress, MegaPress or PureFlow. Whether for potable water, mechanical systems or gas applications, Viega offers a valve for your needs, ranging in size from ½" to 4". Like Viega fittings, valves offer Smart Connect to provide installers added confidence in their ability to ensure secure connections. Viega's innovative thermostatic balancing valve automatically adjusts to a specified temperature, ensuring that your system is balanced.

FEATURES AND BENEFITS

- Multiple system and connection solutions
- 316 stainless steel ball
- Multiple accessory options
- Available with EPDM, FKM, or HNBR sealing elements
- Smart Connect technology
- Installs within minutes – up to 80% faster than conventional methods
- Same tool used for installation of ball valves and fittings
- No flame, fire watch or hot work permits required

CODES AND STANDARDS

- ASME 112.4.14/CSA B125.14: Manually Operated Valves for Use in Plumbing System
- ASME B16.51: Copper and Copper Alloy Press-Connect
- ASME B31: Code for Pressure Piping
- ASME B31.1: Power Piping
- ASME B31.3: Process Piping
- ASME B31.9: Building Service Piping
- ASTM A312: Standard Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes
- ASTM A403: Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings
- ASTM A554: Standard Specification for Welded Stainless Steel Mechanical Tubing
- ASTM F3347: Standard specification for metal Press insert fittings with factory assembled stainless steel press sleeve for SDR9 Cross-linked Polyethylene (PEX) tubing and SDR9 Polyethylene of raised temperature (PR-RT) tubing
- ASTM F3348: Standard specification for plastic Press insert fittings with factory assembled stainless steel press sleeve for SDR9 Cross-linked Polyethylene (PEX) tubing and SDR9 Polyethylene of raised temperature (PR-RT) tubing
- CSA ANSI LC 4-2012 (R2017)/CSA 6.32-2012 (R2016)
- CSA B214: Installation Code for Hydronic Heating Systems
- CSA Class 6853 01 Low Lead Content Certification Program
- CAN/CSA-B149.1: Natural Gas and Propane Installation Code
- IACS UR P2: Rules for piping design, construction and testing
- IAPMO: ANSI LC 4a/CSA 6.32a: Press-Connect Metallic Fittings for Use in Fuel Gas Distribution Systems
- IAPMO: California Plumbing Code (CPC)
- IAPMO PS-117: Press Connections
- IAPMO: Uniform Mechanical Code (UMC)
- IAPMO: Uniform Plumbing Code (UPC)
- IAPMO: Uniform Solar, Hydronics and Geothermal Code (USHGC)
- IAPMO Z1157: Ball Valves
- ICC-ES: ANSI LC 4a/CSA 6.32a: Press-Connect Metallic Fittings for Use in Fuel Gas Distribution Systems

- ICC: International Fuel Gas Code (IFGC)
- ICC: International Mechanical Code (IMC)
- ICC: International Plumbing Code (IPC)
- ICC: International Residential Code (IRC)
- IAPMO: National Standard Plumbing Code (NSPC)
- National Building Code of Canada (NBCC)
- National Plumbing Code of Canada (NPCC)
- NFPA 54/Z223: National Fuel Gas Code
- NFPA 58 National Liquid Petroleum Gas Code

LISTINGS AND CERTIFICATIONS

- ICC-ES PMG-1036 (MegaPress G)
- ICC-ES PMG-1038 (PureFlow)
- ICC-ES PMG-1037 (ProPress)
- ICC-ES PMG-1124 (MegaPress)
- ICC-ES PMG-1125 (ProPress 316)
- ICC-ES PMG-1451 (MegaPress 304/316)
- Canadian Registration Number (CRN): C14541.5
- NSF/ANSI/CAN 61: Drinking Water System Components
- NSF/ANSI 359: Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems
- NSF/ANSI 372: Drinking Water System Components
 - Lead Content

ZERO LEAD

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

NOTE

A green dot indicates an EPDM sealing element. A white dot indicates an FKM sealing element. A yellow dot indicates a HNBR sealing element.

Balancing valves



Viega automatic recirculation balancing valve Zero Lead

- For automatic balancing of hot water recirculation
- Suitable for Viega PureFlow Press tailpiece Model 2893ZL, Viega ProPress tailpiece Model 2957ZL
- Bronze
- Male BSP

Components

Stainless steel ball

Technical Data

Operating pressure 150 psi
Operating temperature 180° F

Note

- Integrated isolation
- Adjustable setpoint
- Adjustable bypass

Model 2981.3ZL

BSP Thread	Wt [lb]	Quantity	Part No	DG
1 x 1	1.159	1	79901	8

Stop valves



Viega PureFlow Press stop valve Straight

Zero Lead

- Chrome-plated brass
- Press connection, compression
- ¼ turn

Model 2842.3ZL

P	CTS	Wt [lb]	Quantity	Part No	DG
¾	¼	0.281	10	94023	6
½	¼	0.274	10	94031	6



Viega PureFlow Press stop valve Angled

Zero Lead

- Chrome-plated brass
- Press connection, compression
- ¼ turn

Model 2842.4ZL

P	CTS	Wt [lb]	Quantity	Part No	DG
¾	¼	0.284	10	93515	6
½	¼	0.278	10	93511	6



Viega PureFlow Crimp stop valve Straight

Zero Lead

- Chrome-plated brass
- Crimp connection
- ¼ turn

Model V5026ZL

Crimp	CTS	Wt [lb]	Quantity	Part No	DG
¾	¼	0.320	1	46001	2
½	¼	0.290	1	46022	2



Viega PureFlow Crimp stop valve Angled

Zero Lead

- Equipped with ferrule Part No 53005, Viega PureFlow Crimp ring Model V5019.9
- Chrome-plated brass
- Crimp connection
- ¼ turn

Model V5064ZL

Crimp	CTS	Wt [lb]	Quantity	Part No	DG
¾	¼	0.315	1	46002	2
½	¼	0.310	1	46025	2



Viega PureFlow Crimp stop valve Straight

- PolyAlloy
- Crimp connection, lav connection
- ¼ turn

Model V5036.30

Crimp	Lav	Wt [lb]	Quantity	Part No	DG
¾	½	0.090	10	43023	3