Viega ProPress Systems

The global leader in plumbing, heating and pipe joining systems

viega

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Building on Tradition

Founded more than 110 years ago, Viega is a privately owned, international group of companies. In the United States, Canada, Mexico and Latin America, Viega specializes in plumbing, heating and pipe joining technologies. The values of Viega's founder, Franz-Anselm Viegener, are just as present today as they were when he started the company in 1899. Courage, passion and innovative spirit are still the basics of Viega's foundation.

Viega ProPress Systems

Viega ProPress systems can help reduce installation time up to 60 percent compared to traditional methods of pipe joining. Soldering and brazing copper can be messy and time consuming, and connections are not always reliable. With Viega press technology, installers can make consistent, secure press connections in less than seven seconds without flame or heavy equipment.

Available in multiple configurations from ½" to 4", Viega ProPress fittings are manufactured with patented Viega Smart Connect® technology, the only proven feature to detect unpressed fittings. Designed into the fitting itself, Viega Smart Connect technology allows an unpressed fitting to leak during pressure testing, which helps installers easily identify connections that need to be pressed. From potable water to corrosive chemicals, Viega ProPress fittings in copper and stainless steel can be customized for a wide variety of applications in industrial, commercial or residential projects.

IMPORTANT NOTE:
A GREEN DOT ON A VIEGA PROPRESS FITTING INDICATES SMART CONNECT TECHNOLOGY WITH AN EPDM SEALING ELEMENT. A YELLOW DOT ON A VIEGA PROPRESSG FITTING INDICATES SMART CONNECT TECHNOLOGY WITH AN HNBR SEALING ELEMENT. FOR A CURRENT LIST OF APPLICATIONS, PLEASE VISIT WWW.VIEGA.US/APPLICATIONS.

The term Viega does not apply to a specific company within the company as a whole. The term Viega can refer to either the Viega Group of Companies or to the Viega brand itself. The Viega Group of Companies includes Viega GmbH & Co. KG and all of its direct and indirect subsidiaries, each of which is separate and distinct.

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.

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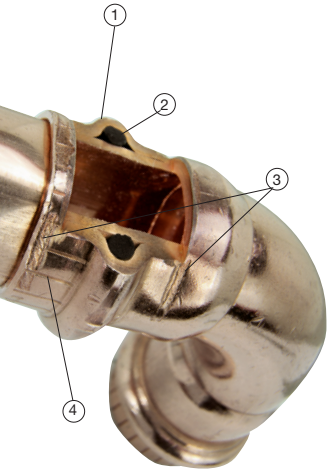
Safe, certain and secure, Viega fittings are designed for peace of mind



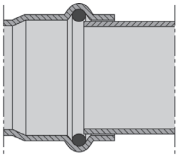
At Viega, safety is priority.

1 Viega's unique, patented Smart Connect technology helps installers ensure that they have pressed all connections.

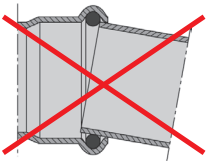
2 Viega offers three different sealing elements to suit virtually any application: EPDM, HNBR and FKM.

3 Viega's distinctive hexagonal pressing pattern bonds fitting and pipe and provides the mechanical strength for the connection.

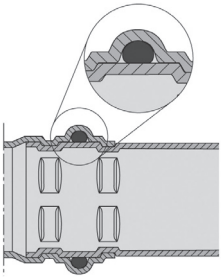
4 Viega fittings offer integral cylindrical pipe guides, which help installers ensure that the fitting is correctly inserted on the pipe.



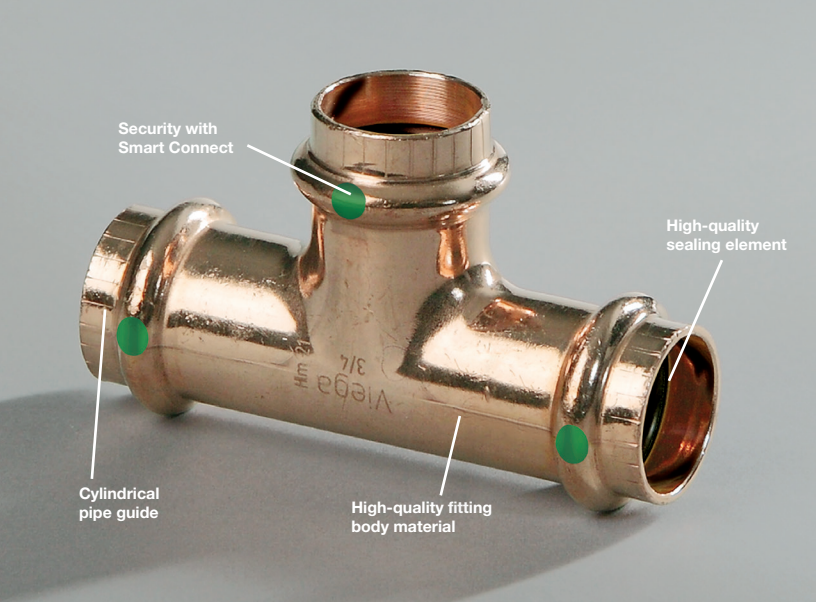
All Viega ProPress fittings are designed with cylindrical pipe guides to keep the pipe straight and protect the sealing element during assembly.



Fittings that do not have cylindrical pipe guides risk making an unsecure connection and leave the sealing element vulnerable to damage prior to pressing.

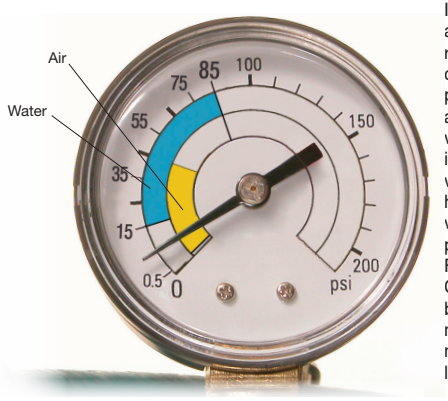


Viega fittings are pressed before, after and on top of the sealing element in a single step, which creates a reliable connection that is secure and proven to last.



Security under pressure

Locating unpressed connections is an important step in the pressure testing process. Viega ProPress includes Smart Connect technology, providing quick and easy identification of unpressed connections during the pressure testing process. Smart Connect technology is an integral part of the design of the fitting that provides a path for liquids and/or gases from inside the system past the sealing element of an unpressed connection. When pressed according to our Product Instructions, the fluid path is altered, creating a leak-proof, reliable connection. Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 to 85 psi. Pressure testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is ½ to 45 psi. Following a successful Smart Connect test, the system may be pressure tested up to 600 psi maximum for water and 200 psi maximum for air if required by local code requirements.



Viega ProPress Systems

System data sheet

ProPress® and ProPress XL (Copper) are safe, reliable and economical copper pipe installation systems that use modern cold press connection technology.

Viega® ProPress fittings are for use with type K, L and M hard copper tubing from ½" to 4" and soft copper tubing in ½" to 1¼" diameters. All tubing must comply with the ASTM B88 standard. ProPress fittings are approved for installations in both above- and below-ground applications. Per code, local inspector approval must be obtained prior to installation below ground.

ProPress has been used in Europe since the late 1980s and in the United States since the late 1990s for a variety of applications. Viega ProPress systems are backed by two plumbing leaders with over 175 years of combined excellence.

Listings and Certificates

- NSF-61-372
- IAPMO PS117
- UL 213
- FM Class 1920
- ICC LC 1002
- CSA MSE-13
- ABS

International Listings and Certificates

- Deutsch Verein des Gas-und Wasserfachese.V. (DVGW)
- Lloyd's Register (LR)
- Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- KIWA

Compliant with:

- ICC International Plumbing Code
- IAPMO Uniform Plumbing Code
- PHCC National Standard Plumbing Code
- Florida Building Code, Volume II Plumbing Code
- NFPA 13, 13D and 13R
- ASME B16.51
- U.S. Coast Guard

Viega ProPress fittings are offered in configurations including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters, Unions, Caps and Flanges. All

threaded ½" to 2" fittings are Zero Lead bronze.

Operating Parameters

Operating Pressure:	200 PSI maximum
Test Pressure:	600 PSI maximum
Operating Temperature:	0°F to 250°F

Approved Applications:

- Potable Water
- Hydronic Heating (w/Glycol)
- Chilled Water
- Compressed Air
- Non-medical Gases
- Fire Sprinkler (175 PSI maximum)
- Low-pressure Steam (15 PSI maximum)
- Vacuum (29.2 in. Hg maximum @ 68°F)

In ProPress ½" to 4" dimensions, Smart Connect technology assures leakage of liquids and/or gases from inside the system past the sealing element of an unpressed connection. The function of this feature is to provide the installer quick and easy identification of connections that have not been pressed prior to putting the system into operation.

Recommended Tools:

- RIDGID RP 200-B (½" to 1¼")
- RIDGID RP 210-B (½" to 1¼")
- RIDGID RP 241 (½" to 1¼")
- RIDGID RP 320-E
- RIDGID RP 330-B or 330-C
- RIDGID RP 340
- RIDGID CT 400

Contact your local Viega representative for details on local approvals.

Viega ProPressG Systems

System data sheet

System Description

The ProPressG system is a copper press connection system designed to meet the demands of natural gas and propane gas in the vapor state as well as fuel oil systems. Press fittings are manufactured in copper, and fittings with NPT connections are manufactured in bronze. ProPressG utilizes an HNBR sealing element to provide permanent leak-proof connections in dimensions from ½" to 2".

ProPressG is approved for use with hard copper tubing from ½" to 2" and soft copper tubing in ½" to 1¼" diameters. All tubing must comply with ASTM B88 standards. ProPressG fittings are also approved for installations in above- and below-ground applications.

Listings & Certificates

- CSA LC-4
- ICC-ES PMG 1036
- IAPMO/UPC LC-4

International Listings and Certificates

- Lloyd's Register (LR)
- Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- KIWA

Compliant with:

- IFGC International Fuel Gas Code
- NFPA 54/Z223.1 National Fuel Gas Code
- NFPA 58 Liquefied Petroleum Gas Code
- UPC Chapter 12 Fuel Piping
- NFPA 30 Flammable and Combustible Liquids code
- NFPA 30A Code for Motor Fuel Dispensing Facilities and Repair Garages
- NFPA 31 Standard for the Installation of Oil-Burning Equipment (supply line only)

Viega ProPressG fittings are offered in configurations including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters, Unions and Caps.

Operating Parameters

Operating Pressure: 125 PSI maximum
Test Pressure: 600 PSI maximum

Operating Temperature: -40°F to 180°F

Approved Applications

- Natural Gas
- Propane Gas
- Mixed Fuel Gases (vapor state only)
- Manufactured Fuel Gases
- Butane
- Fuel Oil
- Carbon Dioxide CO_2
- Vacuum 29.2" Mercury
- Diesel Fuel
- Motor Oil

Note: Systems must be installed per local code requirements. See approved applications bulletin for allowable temperature and pressure ranges.

In ProPressG ½" to 2" dimensions, Smart Connect technology assures leakage of liquids and/or gases from inside the system past the sealing element of an unpressed connection. The function of this feature is to provide the installer quick and easy identification of connections that have not been pressed prior to putting the system into operation.

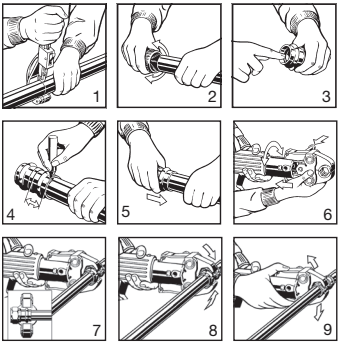
Recommended Tools:

- RIDGID RP 200-B (½" to 1¼")
- RIDGID RP 210-B (½" to 1¼")
- RIDGID RP 241 (½" TO 1¼")
- RIDGID RP 320-E
- RIDGID RP 330-B or 330-C
- RIDGID RP 340
- RIDGID CT 400

Viega ProPress Systems

Product Instructions

For Types K, L and M Hard Copper Tubing in ½" to 2" and Soft Copper Tubing in ½" to 1¼". This Product Contains Zero Lead



Viega ProPress Insertion Depth Chart						
Tube Size	½"	¾"	1"	1¼"	1½"	2"
Insertion Depth	¾"	⅞"	⅞"	1"	1 7/16"	1 9/16"

⚠ WARNING Read and understand all instructions for installing Viega ProPress fittings. Failure to follow all instructions may result in extensive property damage, serious injury or death.

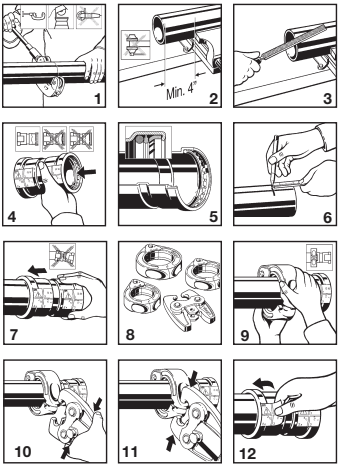
1. Cut copper tubing at right angles using displacement-type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Check seal for correct fit. Do not use oils or lubricants. Use only Viega ProPress Shiny Black EPDM or Dull Black FKM sealing elements.
   Note: For applications requiring Viega ProPress with FKM sealing elements, remove the factory-installed EPDM sealing element and replace with FKM sealing element.
4. Mark proper insertion depth as indicated by the Viega ProPress Insertion Depth Chart. Improper insertion depth may result in improper seal.
5. While turning slightly, slide press fitting onto tubing to the marked depth.
   Note: End of tubing must contact stop.
6. Insert appropriate Viega jaw into the pressing tool and push in, holding pin until it locks in place.
7. Open the jaw and place at right angles on the fitting. Visually check insertion depth using mark on tubing.
8. Start pressing process and hold the trigger until the jaw has engaged the fitting.
9. After pressing, the jaw can be opened again.

Leak Testing with Smart Connect®: Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi maximum. Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is ½ psi to 45 psi maximum. Following a successful leak test, the system may be pressure tested up to 200 psi with air, or up to 600 psi with water, if required by local code requirements or project specifications.

Viega ProPress XL (Copper) System

Product Instructions

For Types K, L and M Hard Copper Tubing in 2½" to 4"



ProPress XL (copper) Insertion Depth Chart			
Tube Size	2½"	3"	4"
Insertion Depth	1$^{13}/_{16}$"	1$^{15}/_{16}$"	2⅜"

⚠ WARNING Read, understand and follow all instructions for installing ProPress XL (copper) fittings. Failure to follow all instructions may result in extensive property damage, serious injury or death.

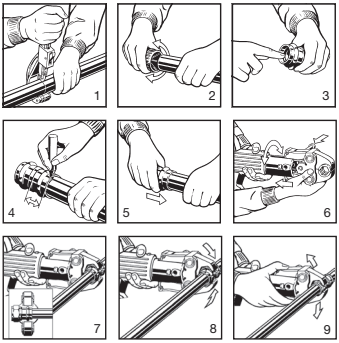
1. Cut copper tubing at right angles using displacement-type cutter or fine-toothed steel saw.
2. Keep end of tubing a minimum of 4" away from the contact area of the vise to prevent possible damage to the tubing in the press area.
3. Remove burr from inside and outside of tubing to prevent cutting sealing element.
4. Check seal and grip ring for correct fit. Do not use oils or lubricants. Use only ProPress Shiny Black EPDM sealing elements.
5. Illustration demonstrates proper fit of grip ring, separation ring and sealing element.
6. Mark proper insertion depth as indicated by the ProPress XL (copper) Insertion Depth Chart. Improper insertion depth may result in an improper seal.
7. While turning slightly, slide press fitting onto tubing to the marked depth. End of tubing must contact stop.
8. ProPress XL (copper) fitting connections must be performed with ProPress XL-C Rings and V2 ACTUATOR. Use of ProPress XL Rings and/or Actuator (for Bronze fittings) will result in an improper connection. See Ridgid Operator's Manual for proper tool instructions.
9. Open XL-C Ring and place at right angles on the fitting. XL-C Ring must be engaged on the fitting bead. Check insertion depth.
10. With V2 ACTUATOR inserted into the tool, open the V2 ACTUATOR as shown and connect V2 ACTUATOR to the XL-C Ring.
11. Place V2 ACTUATOR onto XL-C Ring and start pressing process. Hold the trigger until the Actuator has engaged the XL-C Ring. Keep extremities and foreign objects away from XL-C Ring and V2 ACTUATOR during pressing operation to prevent injury or incomplete press.
12. Release V2 ACTUATOR from XL-C Ring and then remove the XL-C Ring from the fitting on completion of press. Remove tag from fitting, indicating press has been performed.

Leak Testing with Smart Connect®: Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi. Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is ½ psi to 45 psi. Following a successful leak test, the system may be pressure tested up to 200 psi with air, or up to 600 psi with water, if required by local code requirements or project specifications.

Viega ProPressG Systems

Product Instructions

For Types K, L and M Hard Copper Tubing in ½" to 2"
and Soft Copper Tubing in ½" to 1¼"



Viega ProPress Insertion Depth Chart						
Tube Size	½"	¾"	1"	1¼"	1½"	2"
Insertion Depth	¾"	⅞"	⅞"	1"	1 7/16"	1 9/16"

Leak Testing with Smart Connect®: Unpressed connections are located by pressurizing the system with air or water. Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure range is ½ psi to 45 psi maximum. Following a successful leak test, the system may be pressure tested up to 200 psi if required by local code requirements or project specifications.

⚠ WARNING Read and understand all instructions for installing Viega ProPressG fittings for fuel gas. Failure to follow all instructions may result in significant property damage, serious injury or death.

1. Cut copper tubing at right angles using displacement-type cutter or fine-toothed steel saw.
2. Remove burr from inside and outside of tubing to prevent cutting sealing element.
3. Check seal for correct fit. Do not use oils or lubricants. Use only Viega ProPress Yellow HNBR sealing elements.
4. Mark proper insertion depth as indicated by the Viega ProPress Insertion Depth Chart. Improper insertion depth may result in improper seal.
5. While turning slightly, slide press fitting onto tubing to the marked depth.
   Note: End of tubing must contact stop.
6. Insert appropriate Viega jaw into the pressing tool and push in, holding pin until it locks in place.
7. Open the jaw and place at right angles on the fitting. Visually check insertion depth using mark on tubing.
8. Start pressing process and hold the trigger until the jaw has engaged the fitting.
9. After pressing, the jaw can be opened again.

⚠ WARNING The following standards, codes and instructions should be followed when installing Viega ProPressG fittings for Fuel Gas.

- The installation shall be made in accordance with local codes or, in the absence of local codes, in accordance with the National Fuel Gas Code NFPA 54 or the LP-Gas Code NFPA 58, as applicable.
- For use with type K or L copper tubing, drawn copper from ½" to 2", and annealed copper from ½" to 1¼". All copper must be in compliance with ASTM B-88.
- The fittings are for use with fuel gases only and are intended for operating pressure specified (maximum 125 psi).
- Undue stress or strain on the fittings and the tubing is to be avoided.
- Concealed tubing and fittings shall be protected from puncture threats.
- If the installation requires components in addition to those supplied by the fitting manufacturer, those components shall be specified. The instructions shall state that only the components provided or specified by the manufacturer are to be used in the installation.
- The fitting/tubing system shall not be used as a grounding electrode for an electrical system.
- The inspection, testing and purging of the installation shall be performed using procedures specified in Part 4 of the National Fuel Gas Code NFPA 54, ANSI Z223 or the LP-Gas Code NFPA 58 section 3.2-10 as applicable, or in accordance with the requirements of the applicable local codes.
- For use with natural, propane, mixed and manufactured gases in the vapor state, not in the liquid state.
- The fitting/tubing system shall not be used as a means of support.

Technical Information

Friction Loss in Equivalent Feet of Tube

Wrought — Copper Fittings					
Size	**90° Elbow**	**45° Elbow**	**Tee Branch**	**Tee Run**	**Coupling**
½"	1.0	0.5	2.0	—	—
¾"	2.0	0.5	3.0	—	—
1"	2.5	1.0	4.5	—	—
1¼"	3.0	1.0	5.5	0.5	0.5
1½"	4.0	1.5	7.0	0.5	0.5
2"	5.5	2.0	9.0	0.5	0.5
2½"	7.0	2.5	12.0	0.5	0.5
3"	9.0	3.5	15.0	1.0	1.0
4"	12.5	5.0	21.0	1.0	1.0

Cast — Copper Alloy Fittings			
Size	**90° Elbow**	**Tee Run**	**Tee Branch**
½"	1	½	2
¾"	2	½	3
1"	4	½	5
1¼"	5	1	7
1½"	8	1	9
2"	11	2	12

Viega ProPress fittings may be used with types K, L and M hard copper tubing from ½" to 4" and soft copper tubing from ½" to 1¼" diameter. All tubing must comply with the ASTM B88 standard and be free from surface defects. Viega ProPress fittings are approved for installations in both above- and below-ground applications. Per code, local inspector approval must be obtained prior to installation below ground.

Viega ProPress Systems

Minimum clearance between Viega press connections

Viega ProPress — ½" to 2"	
Tubing Diameter	**Minimum Clearance**
½"	0"
¾"	0"
1"	0"
1¼"	7/16"
1½"	5/8"
2"	¾"

Viega ProPress XL (Copper) — 2½" to 4"	
Tubing Diameter	**Minimum Clearance**
2½"	5/8"
3"	5/8"
4"	5/8"

Insertion Depths

Viega ProPress and Viega ProPressG — ½" to 2"	
Tubing Diameter	**Insertion Depth**
½"	¾"
¾"	7/8"
1"	7/8"
1¼"	1"
1½"	1 7/16"
2"	1 9/16"

Viega ProPress XL (Copper) — 2½" to 4"	
Tubing Diameter	**Insertion Depth**
2½"	1 1/16"
3"	1 15/16"
4"	2 3/8"

Approved applications

Types of Service	System Operating Conditions			ProPress	ProPressG
	Comments	Pressure	Temperature	EPDM	HNBR
Fluids/Water					
Hot and Cold Potable Water		200 PSI	32°F-250°F	√	
Rainwater/Gray Water		200 PSI	Note 3	√	
Fire Sprinkler	Listed with UL and FM	175 PSI	Note 3	√	
Chilled Water	Ethylene Glycol / Propylene Glycol	200 PSI	Note 3	√	
Hydronic Heating	Ethylene Glycol / Propylene Glycol	200 PSI	Note 3	√	
Cooling Water	Up to 50% Ethylene Glycol or Propylene Glycol solution	200 PSI	Note 3	√	
Low-pressure Steam		Up to 15 PSI	248°F	√	
Ethanol	Pure Grain Alcohol	200 PSI	Note 3	√	
Fuel, Oil and Lubricant					
Heating Fuel Oil		125 PSI	Note 3		√
Diesel Fuel		125 PSI	Note 3		√
Propane	Compliant with CSA LC4	125 PSI	-40°F-180°F		√
Natural Gas	Compliant with CSA LC4	125 PSI	-40°F-180°F		√
Butane	Compliant with CSA LC4	125 PSI	-40°F-180°F		√
Kerosene		Note 3	68°F		√
Lube Oil	Petroleum Based	200 PSI	Note 3		√
Gases					
Compressed Air	Less than 25mg/m^3 oil content	200 PSI	Note 3	√	√
Compressed Air	More than 25mg/m^3 oil content	200 PSI	Note 3		√
Oxygen - O_2 (nonmedical)	Keep oil and fat free / non-liquid O_2	140 PSI	Up to 140°F	√	√
Nitrogen - N_2		200 PSI	Note 3	√	√
Carbon Dioxide - CO_2		200 PSI	Note 3	√	√
Argon	Welding Use	200 PSI	Ambient	√	√
Hydrogen - H_2		125 PSI	0°F-250°F	√	√
Vacuum		29.2 in Hg	Note 3	√	√

1. All systems are recommended to be clearly labeled with the fluid or gas being conveyed. For further information please consult Viega Technical Services.

2. All Viega systems must be used with the manufacturer's recommended sealing element. Contact your local Viega representative or Viega Technical Services for application temperature, pressure and concentration limits.

3. System pressure and temperature ranges depend on sealing element.

Sealing element descriptions

EPDM Sealing Element
ProPress® / ProPress XL® press fittings are manufactured with a high-quality EPDM sealing element installed at the factory. This sealing element is used mainly in the applications of potable water, hydronic heating, low-pressure steam, fire sprinkler and compressed air installations.

Definition: EPDM
Ethylene-propylene-diene-monomer,
gloss black in color

Maximum pressure: 200 PSI

Operating temperature: 0°F to 250°F

The EPDM sealing element is a synthetically manufactured and peroxidically cross-linked, general-purpose elastomer with a wide range of applications. It possesses excellent resistance to aging, ozone, sunlight, weathering, environmental influences, alkalis and most alkaline solutions and chemicals used in a broad range of applications.

The EPDM sealing element has particularly good resistance to hot water, making it ideal for seals and gaskets in heating systems, fittings and household appliances (e.g. washing machines, pumps, dishwashers).

The EPDM sealing element is recommended for drinking water applications. It is not resistant against hydrocarbon solvent solutions, related oils, chlorinated hydrocarbons, turpentine and gasoline.

HNBR Sealing Element
ProPressG® press fittings are manufactured with a high-quality HNBR sealing element installed at the factory. This sealing element is used mainly for applications of natural, propane, mixed and manufactured gases in the vapor state, not in the liquid state. It is commonly used in fuel oil heating systems.

Definition: HNBR
Hydrogenated Nitrile Butadiene Rubber,
yellow in color

Maximum pressure: 125 PSI

Ambient operating temperature: -40°F to 180°F

HNBR is widely known for its physical strength and retention of properties after long-term exposure to heat, oil and chemicals.

The unique properties attributed to HNBR have resulted in wide adoption of HNBR in automotive, industrial and assorted performance-demanding applications (i.e. engine seals, grommets and gaskets; fuel system seals and hoses; transmission system bonded piston seals; Chevron seals, oil field packers and rotary shaft seals).

With its excellent performance for the most demanding of applications, HNBR is the ideal choice for applications needing excellent physical properties as well as oil, heat and/or chemical resistance. The HNBR sealing element is not suitable for food contact applications and cannot be installed in drinking water applications.

Frequently Asked Questions

Q What does "Zero Lead" mean?

A "Zero Lead" identifies Viega products meeting the lead free requirements of the federal amendment to the Safe Drinking Water Act, effective Jan. 4, 2014.

Q What does "Lead Free" mean?

A California AB 1953 defines "Lead Free" as materials containing not more than 0.2 percent lead when used with respect to solder and flux and not more than a weighted average of 0.25 percent when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings and fixtures, providing a specified definition and formula for determining "weighted average."

Q What is NSF-61 Annex G (NSF 61 G)?

A NSF-61 Annex G is an optional evaluation method for products that need to meet a 0.25 percent weighted average lead content standard. Certification of products to this annex shall be noted in the certification listing. Products must first comply with the full requirements of NSF/ANSI 61 in order to be deemed compliant to this section.

Q What is a wetted surface?

A "Wetted surface" refers to any and all parts of a valve or fitting that are directly in contact with potable water.

Q Are any of Viega's ProPress valves and fittings "Lead Free"?

A Yes. Viega ProPress fittings and valves are available with Zero Lead and are listed to NSF 61 Annex G, with the exception of the Hydronic Ball Valve models 2973.

Q What alloys are used to produce Viega ProPress Zero Lead bronze fittings?

A Viega ProPress Zero Lead bronze fittings are constructed from Viega's own silicon bronze alloy: UNS C87700.

Q What is the warranty for Viega ProPress Zero Lead fittings?

A Viega ProPress fittings carry a 50-year limited warranty against defects in material and workmanship from Viega. ProPress valves carry a two-year limited warranty against defects in material and workmanship.

Q What is the procedure for soldering near a Viega ProPress connection?

A When soldering near a Viega ProPress connection, you must remain at least three pipe diameters away from the connection. If three pipe diameters are not possible, the installer should take proper precautions to keep the Viega ProPress connection cool while soldering. These include: wrapping the connection with a cold, wet rag; fabricating solder connections prior to installing the pressed fitting; making sure the pipe has cooled before installing the fitting; applying "spray type" spot freezing product.

Q How would inspectors know they are looking at a good connection?

A Good connections can be proven by performing a pressure test. This is the same procedure for solder connections.

Q What is the lubricant used on the sealing elements?

A The sealing elements are lubricated with an NSF-61 approved silicone oil. If it is necessary to lubricate the seals in the field, use water only. Do not use other lubricants, especially any petroleum-based lubricants, as petroleum and EPDM are incompatible.

Q How long will the EPDM seal last?

A When properly installed, the EPDM seal and connection will last as long as the copper pipe that joins it.

Q How do I fabricate a system in tight places when using Viega ProPress?

A If necessary, prefabricate connections that are in tight places and then install.

Q Can you turn a pressed fitting without damaging the integrity of the connection?

A Yes. The fitting can be turned, although not by hand, and will not affect the integrity of the connection. As a general rule of thumb, if the fitting is turned more than 5° it must be repressed to restore the resistance to rotational movement.

Q How do Viega ProPress connections hold up to freezing temperatures?

A Copper water systems, both soldered and pressed, should not be allowed to freeze. When water freezes it expands and will damage the pipe or the system.

Continued on next page.

Frequently Asked Questions

Continued from previous page.

Q Can a user solder the female "P" end of a Viega ProPress fitting?

A This is not a recommended practice and constitutes improper use of the product, voiding any product warranties. The recessed groove that normally houses the EPDM seal will interfere with the capillary action that normally draws solder into and around the tubing.

Q What are the flow rates through Viega ProPress fittings?

A Flow rates and flow rate calculations are the same as those used for solder fitting installations. The friction loss allowance table can be found in the Technical Information section of this manual.

Q Why use FKM or HNBR sealing elements for compressed air systems with more than 25 grams per cubic foot of oil content?

A FKM and HNBR sealing elements are better suited for high oil content due to their high resistance to hydrocarbon substances.

Q What should a user do if a Viega ProPress system leaks?

A In general, Viega ProPress fittings only leak due to one of three reasons: The fitting was never pressed, the copper tubing was not properly inserted or the pressing jaws were not properly aligned. If the fitting was never pressed, confirm that the tubing is fully inserted and proceed with pressing. If the copper tubing was not properly inserted, cut out the fitting and reinstall properly. If the pressing jaws were not properly aligned, cut out the fitting and reinstall properly. If problems persist, be sure to contact Viega immediately.

Q Is Viega ProPress compatible with the cleaning agents used to disinfect a new plumbing system?

A Yes. However, it is recommended to contact your local District Manager or the Viega Technical Support Department for consultation.

Q What should be done if a user accidentally cuts the seal with the copper tubing?

A If the seal is damaged by inserting the copper tubing, the seal must be replaced. Please note that the tolerances of the fitting socket ensure that the tubing is inserted at the appropriate angle. To prevent damage to the seal, tubing must be deburred prior to assembling the joint.

Q Is Viega ProPress approved for underground use?

A Yes. Viega ProPress can be installed underground. However, users must obtain approval from the authority having jurisdiction. Approval of this application is based upon performance testing conducted by NSF, which includes withstanding pressure, temperature, water hammer, bending forces, torsion, temperature variation, vibration and vacuum.

Q What is Smart Connect technology?

A Smart Connect technology provides a quick and easy way to identify unpressed connections during the pressure testing process. Unpressed connections are located by pressurizing the system with air or water. When testing with air, the pressure range is ½ psi to 45 psi. When testing with water, the pressure range is 15 psi to 85 psi. Smart Connect technology allows fluid to pass by an unpressed connection. The flow path is removed during the pressing process, creating a leak-proof, reliable connection.

Q Why is Smart Connect technology so valuable?

A Smart Connect technology provides the user with a strong peace of mind. It allows for faster testing procedures since you do not have to shut down and drain the system. Costly damages and possible insurance claims and premiums can be avoided because it identifies unpressed connections before they can become a problem. Because of the time savings, projects stay on track.

Q If a leak is discovered, is it necessary to drain the system prior to pressing the connection?

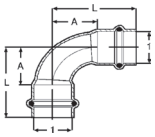
A No. It is not necessary to drain the system when making a repair.

Viega ProPress

½" to 2" fittings
Dimensional documentation

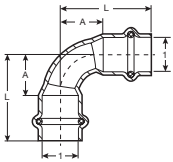
Viega ProPress ½" to 2"

Dimensional documentation (inches)



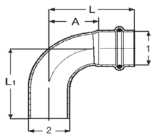
Viega ProPress 90° Elbow Copper P x P - Model 2916

Part No.	Size	A (in)	L (in)
	1 1		
77317	½" x ½"	0.75	1.50
77322	¾" x ¾"	1.04	1.94
77327	1" x 1"	1.32	2.23
77332	1¼" x 1¼"	1.65	2.68
77337	1½" x 1½"	1.98	3.40
77342	2" x 2"	2.54	4.13



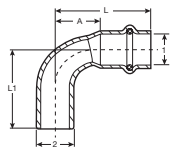
Viega ProPress 90° Elbow Copper P x P - Model 2916 Short

Part No.	Size	A (in)	L (in)
	1 1		
77317	½" x ½"	0.75	1.50
77022	¾" x ¾"	0.76	1.67
77027	1" x 1"	1.28	2.19
77032	1¼" x 1¼"	1.28	2.31
77037	1½" x 1½"	1.29	2.72
77042	2" x 2"	2.16	3.74



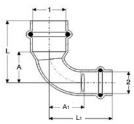
Viega ProPress 90° Street Elbow Copper P x FTG - Model 2916.1

Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
77347	½" x ½"	0.75	1.50	1.54
77352	¾" x ¾"	1.04	1.94	1.98
77357	1" x 1"	1.32	2.23	2.27
77362	1¼" x 1¼"	1.65	2.68	2.76
77367	1½" x 1½"	1.98	3.40	3.48
77372	2" x 2"	2.54	4.13	4.20



Viega ProPress 90° Street Elbow Copper P x FTG - Model 2916.1 Short

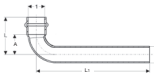
Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
77347	½" x ½"	0.75	1.50	1.54
77052	¾" x ¾"	0.76	1.67	1.83
77057	1" x 1"	1.28	2.19	2.27
77062	1¼" x 1¼"	1.28	2.31	2.48
77067	1½" x 1½"	1.29	2.72	2.80
77072	2" x 2"	2.16	3.74	3.78



Viega ProPress 90° Reducing Elbow Copper P x P - Model 2916.3

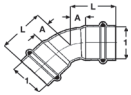
Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
77325	¾" x ½"	0.91	0.94	1.81	1.69
77330	1" x ¾"	1.20	1.30	2.11	2.21

Viega ProPress ½" to 2"



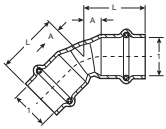
Viega ProPress 90° Extended Street Elbow Copper P x FTG - Model 2947

Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
77353	¾" x ¾"	1.02	1.93	5.98



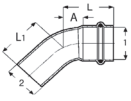
Viega ProPress 45° Elbow Copper P x P - Model 2926

Part No.	Size	A (in)	L (in)
	1 1		
77607	½" x ½"	0.30	1.04
77612	¾" x ¾"	0.43	1.34
77617	1" x 1"	0.55	1.46
77622	1¼" x 1¼"	0.68	1.71
77627	1½" x 1½"	0.81	2.24
77632	2" x 2"	1.05	2.63



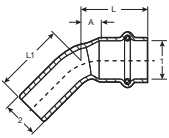
Viega ProPress 45° Elbow Copper P x P - Model 2926 Short

Part No.	Size	A (in)	L (in)
	1 1		
77607	½" x ½"	0.30	1.04
77023	¾" x ¾"	0.36	1.26
77028	1" x 1"	0.47	1.38
77033	1¼" x 1¼"	0.58	1.61
77038	1½" x 1½"	0.65	2.08
77043	2" x 2"	0.86	2.44



Viega ProPress 45° Street Elbow Copper P x FTG - Model 2926.1

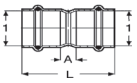
Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
77637	½" x ½"	0.31	1.06	1.10
77642	¾" x ¾"	0.43	1.34	1.37
77647	1" x 1"	0.55	1.46	1.49
77652	1¼" x 1¼"	0.68	1.71	1.79
77657	1½" x 1½"	0.81	2.24	2.32
77662	2" x 2"	1.05	2.63	2.71



Viega ProPress 45° Street Elbow Copper P x FTG - Model 2926.1 Short

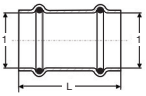
Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
77637	½" x ½"	0.31	1.06	1.10
77053	¾" x ¾"	0.36	1.26	1.30
77058	1" x 1"	0.47	1.38	1.49
77063	1¼" x 1¼"	0.58	1.61	1.67
77068	1½" x 1½"	0.65	2.08	2.04
77073	2" x 2"	0.86	2.44	2.54

Viega ProPress ½" to 2"



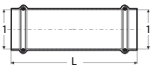
Viega ProPress Coupling with Stop Copper P x P - Model 2915

Part No.	Size	A (in)	L (in)
	1 1		
78047	½" x ½"	0.12	1.61
78052	¾" x ¾"	0.20	2.01
78057	1" x 1"	0.16	1.97
78062	1¼" x 1¼"	0.14	2.20
78067	1½" x 1½"	0.14	2.99
78072	2" x 2"	0.14	3.31



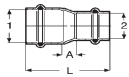
Viega ProPress Coupling No Stop Copper P x P - Model 2915.3

Part No.	Size	L (in)
	1 1	
78172	½" x ½"	1.61
78177	¾" x ¾"	2.01
78182	1" x 1"	1.97
78187	1¼" x 1¼"	2.20
78192	1½" x 1½"	2.99
78197	2" x 2"	3.31



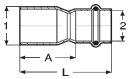
Viega ProPress Extended Coupling Copper P x P - Model 2915.5

Part No.	Size	L (in)
	1 1	
79005	½" x ½"	2.99
79010	¾" x ¾"	3.50
79015	1" x 1"	3.74
79020	1¼" x 1¼"	4.13
79025	1½" x 1½"	4.72
79030	2" x 2"	5.31



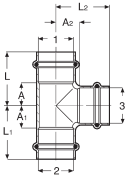
Viega ProPress Reducer Copper P x P - Model 2915.2

Part No.	Size	A (in)	L (in)
	1 2		
78147	¾" x ½"	0.42	2.07
15603	1" x ½"	0.71	2.36
78152	1" x ¾"	0.48	2.29
15593	1¼" x ¾"	0.70	2.64
78157	1¼" x 1"	0.55	2.48
18473	1½" x ¾"	0.98	3.33
15588	1½" x 1"	0.74	3.07
78162	1½" x 1¼"	0.50	2.96
18468	2" x ¾"	1.54	4.02
15608	2" x 1"	1.29	3.78
22328	2" x 1¼"	0.81	3.43
78167	2" x 1½"	0.74	3.75



Viega ProPress Reducer Copper FTG x P - Model 2915.1

Part No.	Size	A (in)	L (in)
	1 2		
78077	¾" x ½"	1.42	2.17
78082	1" x ½"	1.69	2.44
78087	1" x ¾"	1.42	2.32
22333	1¼" x ½"	1.91	2.74
78092	1¼" x ¾"	1.85	2.76
78097	1¼" x 1"	1.57	2.48
14543	1½" x ¾"	2.56	3.46
78102	1½" x 1"	2.28	3.19
78107	1½" x 1¼"	2.04	3.07
78112	2" x 1"	3.03	3.94
78117	2" x 1¼"	2.79	3.82
78122	2" x 1½"	2.63	4.06



Viega ProPress Tee Copper P x P x P - Model 2918

Part No.	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
77377	½" x ½" x ½"	0.75	0.75	0.50	1.50	1.50	1.25
77382	½" x ½" x ¾"	0.91	0.91	0.59	1.65	1.65	1.50
15493	½" x ½" x 1"	1.10	1.10	0.55	1.85	1.85	1.46
77387	¾" x ¾" x ¾"	0.85	0.85	0.59	1.75	1.75	1.50
77392	¾" x ½" x ½"	0.69	0.98	0.63	1.59	1.73	1.38
77397	¾" x ½" x ¾"	0.85	1.14	0.59	1.75	1.89	1.50
77402	¾" x ¾" x ½"	0.69	0.69	0.63	1.59	1.59	1.38
77407	¾" x ¾" x 1"	0.97	0.97	0.63	1.87	1.87	1.54
77412	1" x 1" x 1"	0.97	0.97	0.79	1.87	1.87	1.69
22263	1" x ½" x ¾"	0.85	1.24	0.75	1.76	1.99	1.66
94767	1" x ½" x 1"	0.97	1.52	0.79	1.87	2.26	1.69
77417	1" x ¾" x ½"	0.69	0.89	0.79	1.59	1.79	1.54
77422	1" x ¾" x ¾"	0.85	1.04	0.75	1.75	1.95	1.65
77427	1" x ¾" x 1"	0.97	1.18	0.78	1.87	2.07	1.69
77432	1" x 1" x ½"	0.69	0.69	0.79	1.59	1.59	1.54
77437	1" x 1" x ¾"	0.85	0.85	0.75	1.75	1.75	1.65
15488	1" x 1" x 1 ¼"	1.16	1.16	0.84	2.07	2.07	1.87
77442	1¼" x 1¼ x 1¼"	1.02	1.02	0.86	2.05	2.05	1.89
22253	1¼" x ½" x 1¼"	1.02	1.77	0.87	2.05	2.52	1.89
22243	1¼" x ¾" x ½"	0.64	1.13	0.93	1.68	2.03	1.68
22258	1¼" x ¾" x ¾"	0.76	1.30	0.87	1.80	2.21	1.78
22268	1¼" x ¾" x 1"	0.88	1.40	0.91	1.91	2.31	1.82
22248	1¼" x ¾" x 1¼"	1.02	1.54	0.86	2.05	2.45	1.89
22238	1¼" x 1" x ½"	0.64	0.91	0.93	1.68	1.82	1.68
94762	1¼" x 1" x ¾"	0.76	1.14	0.87	1.79	2.05	1.77
14568	1¼" x 1" x 1"	0.88	1.28	0.91	1.91	2.19	1.81

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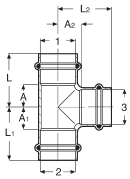
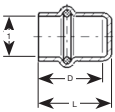
Viega ProPress ½" to 2"

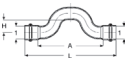


Copper Tee P x P x P - Model 2918 (continued)							
Part No.	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
94757	1¼" x 1¼" x ½"	0.65	0.65	0.93	1.67	1.67	1.67
77452	1¼" x 1¼" x ¾"	0.77	0.77	0.89	1.79	1.79	1.77
77447	1¼" x 1¼" x 1"	0.88	0.88	0.90	1.91	1.91	1.81
77457	1½" x 1½" x 1½"	1.13	1.13	1.13	2.56	2.56	2.56
79660	1½" x 1" x ¾"	0.67	1.39	1.16	2.17	2.44	2.05
15458	1½" x 1" x 1"	0.74	1.54	1.06	2.17	2.44	1.97
15463	1½" x 1" x 1½"	1.13	1.83	1.13	2.56	2.74	2.56
22233	1½" x 1¼" x ¾"	0.67	1.08	1.15	2.09	2.11	2.05
15453	1½" x 1¼" x 1"	0.74	1.29	1.18	2.17	2.32	2.09
15483	1½" x 1¼" x 1¼"	0.86	1.33	1.13	2.28	2.36	2.17
15448	1½" x 1½" x ½"	0.47	0.47	1.10	1.89	1.89	1.85
77462	1½" x 1½" x ¾"	0.66	0.66	1.14	2.09	2.09	2.05
77467	1½" x 1½" x 1"	0.74	0.74	1.18	2.17	2.17	2.09
77472	1½" x 1½" x 1¼"	0.86	0.86	1.13	2.28	2.28	2.17
77477	2" x 2" x 2"	1.37	1.37	1.37	2.95	2.95	2.95
15518	2" x 1¼" x 1¼"	0.94	1.84	1.33	2.52	2.87	2.36
15513	2" x 1½" x ¾"	0.70	1.25	1.38	2.28	2.68	2.28
15498	2" x 1½" x 1"	0.82	1.45	1.38	2.40	2.87	2.28
15508	2" x 1½" x 1¼"	0.94	1.55	1.49	2.52	2.97	2.52
15503	2" x 1½" x 1½"	1.13	1.65	1.37	2.72	3.07	2.80
22228	2" x 1½" x 2"	1.38	1.89	1.38	2.95	3.33	2.95
15538	2" x 2" x ½"	0.54	0.54	1.30	2.13	2.13	2.05
94777	2" x 2" x ¾"	0.79	0.79	1.26	2.37	2.37	2.17
94772	2" x 2" x 1"	0.91	0.91	1.30	2.49	2.49	2.21
77487	2" x 2" x 1¼"	1.04	1.04	1.37	2.62	2.62	2.40
77482	2" x 2" x 1½"	1.13	1.13	1.37	2.72	2.72	2.80



Viega ProPress Cap Copper P - Model 2956

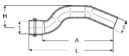
Part No.	Size	L (in)	D (in)
	1		
77712	½"	0.92	0.79
77717	¾"	1.07	0.94
77722	1"	1.11	0.99
77727	1¼"	1.32	1.20
77732	1½"	1.62	1.49
77737	2"	1.81	1.69



Viega ProPress Cross-Over Copper P x P - Model 2928

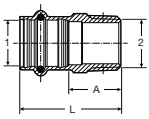
Part No.	Size	A (in)	L (in)	H (in)
	1 1			
77742	½" x ½"	3.62	5.12	0.77
77747	¾" x ¾"	4.49	6.30	0.90

Viega ProPress ½" to 2"



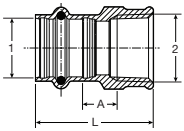
Viega ProPress Cross-Over Copper P x FTG - Model 2927

Part No.	Size	A (in)	L (in)	H (in)
	1 2			
78137	½" x ½"	3.83	4.58	1.10
78142	¾" x ¾"	4.64	5.54	1.54



Viega ProPress Adapter Zero Lead Bronze P x MPT - Model 2911ZL

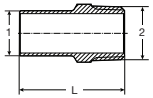
Part No.	Size	A (in)	L (in)
	1 2		
79210	½" x ⅜" MPT	0.77	1.59
79215	½" x ½" MPT	0.89	1.71
79220	½" x ¾" MPT	1.00	1.83
79225	¾" x ½" MPT	1.02	1.93
79230	¾" x ¾" MPT	1.02	1.93
79235	¾" x 1" MPT	1.18	2.09
79240	1" x ¾" MPT	1.18	2.09
79245	1" x 1" MPT	1.26	2.17
79250	1" x 1¼" MPT	1.54	2.44
79255	1¼" x 1" MPT	1.22	2.24
79260	1¼" x 1¼" MPT	1.34	2.36
79265	1¼" x 1½" MPT	1.48	2.50
79270	1½" x 1¼" MPT	1.34	2.76
79275	1½" x 1½" MPT	1.28	2.70
79280	1½" x 2" MPT	1.65	3.07
79285	2" x 1½" MPT	1.54	3.11
79290	2" x 2" MPT	1.50	3.07



Viega ProPress Adapter Zero Lead Bronze P x FPT - Model 2912ZL

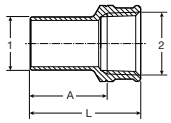
Part No.	Size	A (in)	L (in)
	1 2		
79295	½" x ⅜" FPT	0.19	1.42
79300	½" x ½" FPT	0.25	1.61
79305	½" x ¾" FPT	0.27	1.65
79310	¾" x ½" FPT	0.33	1.77
79315	¾" x ¾" FPT	0.35	1.81
79320	1" x ½" FPT	0.41	1.85
79325	1" x ¾" FPT	0.39	1.85
79330	1" x 1" FPT	0.44	2.01
79335	1" x 1¼" FPT	0.50	2.09
79340	1¼" x ½" FPT	0.37	1.93
79345	1¼" x 1" FPT	0.24	1.93
79350	1¼" x 1¼" FPT	0.34	2.05
79355	1¼" x 1½" FPT	0.42	2.13
79360	1½" x 1¼" FPT	0.26	2.36
79365	1½" x 1½" FPT	0.34	2.44
79370	2" x 2" FPT	0.41	2.68

Viega ProPress ½" to 2"



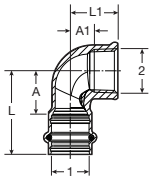
Viega ProPress Adapter Zero Lead Bronze FTG x MPT - Model 2911.1ZL

Part No.	Size	L (in)
	1 2	
79375	½" x ⅜" MPT	1.75
79380	½" x ½" MPT	1.95
79385	½" x ¾" MPT	2.05
79390	¾" x ½" MPT	1.93
79395	¾" x ¾" MPT	2.05
79400	1" x ¾" MPT	2.05
79405	1" x 1" MPT	2.22
79410	1¼" x 1¼" MPT	2.54
79415	1½" x 1½" MPT	2.89
79420	2" x 2" MPT	3.33



Viega ProPress Adapter Zero Lead Bronze FTG x FPT - Model 2912.1ZL

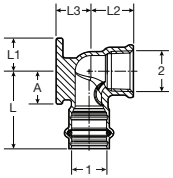
Part No.	Size	A (in)	L (in)
	1 2		
79425	½" x ⅜" FPT	1.10	1.54
79430	½" x ½" FPT	1.22	1.75
79435	½" x ¾" FPT	1.30	1.83
79440	¾" x ½" FPT	1.26	1.79
79445	¾" x ¾" FPT	1.28	1.83
79455	1" x ½" FPT	1.35	1.99
79450	1" x 1" FPT	1.33	1.99
79460	1¼" x ½" FPT	1.65	2.19
79465	1¼" x 1¼" FPT	1.50	2.19
79470	1½" x 1½" FPT	1.88	2.56
79475	2" x 2" FPT	2.13	2.95



Viega ProPress 90° Elbow Zero Lead Bronze P x FPT - Model 2914.2ZL

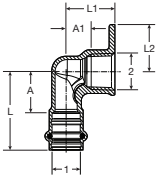
Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
79520	½" x ⅜" FPT	0.94	0.42	1.77	0.83
79525	½" x ½" FPT	0.94	0.57	1.77	1.10
79530	½" x ¾" FPT	1.06	0.51	1.89	1.06
79535	¾" x ½" FPT	1.06	0.65	1.97	1.18
79540	¾" x ¾" FPT	1.06	0.57	1.97	1.12
79545	1" x ½" FPT	1.06	0.72	1.97	1.26
79550	1" x 1" FPT	1.34	0.76	2.24	1.42
79560	1¼" x 1¼" FPT	1.54	0.89	2.56	1.57
79565	1½" x 1½" FPT	1.69	1.05	3.11	1.73
79570	2" x 2" FPT	2.17	1.35	3.74	2.05

Viega ProPress ½" to 2"



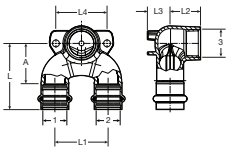
Viega ProPress 90° Drop Ear Elbow Zero Lead Bronze P X FPT - Model 2925.5ZL

Part No.	Size	A (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1 2					
79185	½" x ⅜" FPT	0.94	1.77	0.74	0.83	0.67
79190	½" x ½" FPT	0.94	1.77	0.74	1.10	0.67
79195	¾" x ¾" FPT	1.06	1.97	0.83	1.12	0.83



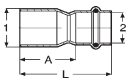
Viega ProPress 90° Hi Ear Elbow Zero Lead Bronze P x FPT - Model 2925.2ZL

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)
	1 2					
79205	½" x ½" FPT	0.94	0.57	1.77	1.10	1.07



Viega ProPress Double Drop Elbow Zero Lead Bronze P x P x FPT - Model 2928.7ZL

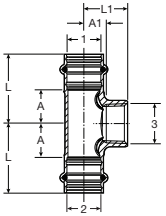
Part No.	Size	A (in)	L (in)	L1 (in)	L2 (in)	L3 (in)	L4 (in)
	1 2 3						
78800	½" x ½" x ½" FNPT	1.34	2.17	1.97	1.10	0.67	1.57
78802	¾" x ¾" x ½" FNPT	1.54	2.44	1.97	1.10	0.83	2.05
78801	¾" x ¾" x ¾" FNPT	1.54	2.44	1.97	1.12	0.83	1.89
78803	1" x 1" x ½" FNPT	1.77	2.68	2.36	1.10	0.87	2.52



Viega ProPress Reducer Zero Lead Bronze FTG x P - Model 2915.1ZL

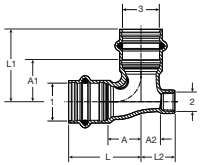
Part No.	Size	A (in)	L (in)
	1 2		
79850	1½" x ½"	1.95	2.78
79855	2" x ½"	2.38	3.21
79860	2" x ¾"	2.42	3.33

Viega ProPress ½" to 2"



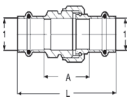
Viega ProPress Tee Zero Lead Bronze P x P x FPT - Model 2917.2ZL

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2 3				
79580	½" x ½" x ½" FPT	0.79	0.69	1.61	1.30
79585	¾" x ¾" x ¼" FPT	0.67	0.79	1.57	1.18
79590	¾" x ¾" x ½" FPT	0.79	0.88	1.69	1.42
79595	¾" x ¾" x ¾" FPT	0.91	0.59	1.81	1.14
79760	1" x 1" x ½" FPT	0.79	1.04	1.69	1.57
79765	1" x 1" x ¾" FPT	0.91	1.06	1.81	1.61
79770	1¼" x 1¼" x ½" FPT	0.83	1.16	1.85	1.69
79775	1¼" x 1¼" x ¾" FPT	0.95	1.18	1.97	1.73
79780	1½" x 1½" x ½" FPT	0.87	1.24	2.28	1.77
79785	1½" x 1½" x ¾" FPT	0.94	1.30	2.36	1.85
79790	2" x 2" x ½" FPT	0.98	1.59	2.56	2.13
79795	2" x 2" x ¾" FPT	1.06	1.65	2.64	2.20



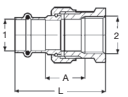
Viega ProPress Vent Tee Zero Lead Bronze P x FPT x P - Model 2917.3ZL

Part No.	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
79635	½" x ⅛" FPT x ½"	0.67	0.67	0.44	1.50	1.50	0.71
79640	¾" x ⅛" FPT x ¾"	0.83	0.83	0.54	1.73	1.73	0.81



Viega ProPress Union Zero Lead Bronze P x P - Model 2960ZL

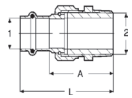
Part No.	Size	A (in)	L (in)
	1		
79125	½"	1.19	2.84
79130	¾"	1.34	3.15
79135	1"	1.83	3.65
79140	1¼"	1.64	3.69
79145	1½"	2.13	4.96
79150	2"	2.07	5.22



Viega ProPress Union Zero Lead Bronze P x FPT - Model 2962ZL

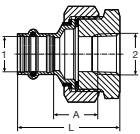
Part No.	Size	A (in)	L (in)
	1 2		
79700	½" x ½" FPT	0.91	2.27
79705	¾" x ¾" FPT	0.96	2.42
79710	1" x 1" FPT	1.31	2.88
79715	1¼" x 1¼" FPT	1.27	2.97
79720	1½" x 1½" FPT	1.77	3.87
79725	2" x 2" FPT	1.65	3.92

Viega ProPress ½" to 2"



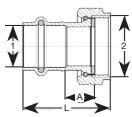
Viega ProPress Union Zero Lead Bronze P x MPT - Model 2965ZL

Part No.	Size	A (in)	L (in)
	1 2		
79730	½" x ½" MPT	1.86	2.69
79735	¾" x ¾" MPT	2.00	2.90
79740	1" x 1" MPT	2.54	3.45
79745	1¼" x 1¼" MPT	2.49	3.52
79750	1½" x 1½" MPT	3.05	4.47
79755	2" x 2" MPT	2.99	4.57



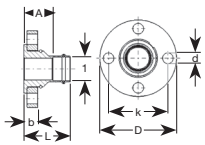
Viega ProPress Dielectric Union Zero Lead Bronze P x FPT - Model 2967ZL

Part No.	Size	A (in)	L (in)
	1 2		
79155	½" x ½" FPT	0.88	2.24
79160	¾" x ¾" FPT	1.11	2.57
79165	1" x 1" FPT	1.00	2.57
79170	1¼" x 1¼" FPT	0.97	2.68
79175	1½" x 1½" FPT	1.01	3.11
79180	2" x 2" FPT	1.26	3.53



Viega ProPress Tailpiece Zero Lead Bronze P x F BSP - Model 2957ZL

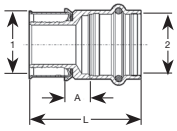
Part No.	Size	A (in)	L (in)
	1 2		
79800	½" x 1" BSP	0.39	1.57
79805	¾" x 1" BSP	0.63	1.87
79810	1" x 1" BSP	0.91	2.14
79815	1" x 1¼" BSP	0.73	2.04



Viega ProPress Adapter Flange Zero Lead Bronze P x Flange - Model 2959.5ZL

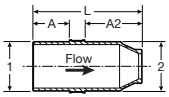
Part No.	Size	L (in)	A (in)	b (in)	D (in)	k (in)	d (in)
	1						
79680	1"	2.76	1.85	0.84	4.33	3.11	0.63
79685	1¼"	2.76	1.73	0.84	4.53	3.50	0.63
79690	1½"	3.07	1.65	0.84	4.92	3.86	0.63
79695	2"	3.66	2.09	0.84	5.91	4.76	0.75

Viega ProPress ½" to 2"



Viega PEX Press Adapter Zero Lead Bronze P x P - Model 2813PZL

Part No.	Size	A (in)	L (in)
	1 2		
99620	½"x ½"	0.29	1.61
99626	½" x ¾"	0.43	1.83
99630	¾" x ½"	0.23	1.56
99640	¾"x ¾"	0.33	1.73
99660	1" x 1"	0.45	1.97
99670	1¼" x 1¼"	0.49	2.38
99680	1½" x 1½"	0.59	2.87
99690	2" x 2"	0.58	3.21



Viega ProPress Venturi Insert Zero Lead Bronze - Model 2911.5ZL

Part No.	Size	A (in)	A2 (in)	L (in)
	1 2			
78810	1¼" x 1¼"	1.02	1.60	3.07
78811	1½" x 1½"	1.43	2.10	3.98
78812	2" x 2"	1.58	2.45	4.48

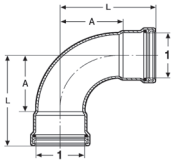
Viega ProPress XL (Copper)

2½" to 4" fittings

Dimensional documentation

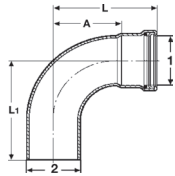
Viega ProPress XL (Copper) 2½" to 4"

Dimensional documentation (inches)



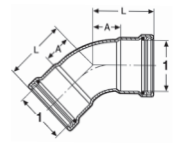
Viega ProPress XL-C 90° Elbow P x P - Model 0916XL

Part Number	Size	A (in)	L (in)
	1 1		
20623	2½" x 2½"	3.19	4.88
20628	3" x 3"	3.76	5.73
20633	4" x 4"	4.90	7.26



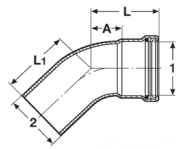
Viega ProPress XL-C 90° Street Elbow P x FTG - Model 0916.1XL

Part Number	Size	A (in)	L (in)	L1 (in)
	1 2			
20638	2½" x 2½"	3.19	4.88	4.80
20643	3" x 3"	3.76	5.73	5.63
20648	4" x 4"	4.90	7.26	7.13



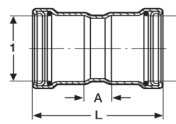
Viega ProPress XL-C 45° P x P - Model 0926XL

Part Number	Size	A (in)	L (in)
	1 1		
20653	2½" x 2½"	1.48	3.18
20658	3" x 3"	1.73	3.70
20663	4" x 4"	1.96	4.63



Viega ProPress XL-C 45° Street Elbow P x FTG - Model 0926.1XL

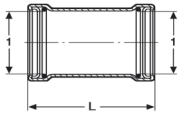
Part Number	Size	A (in)	L (in)	L1 (in)
	1 2			
20668	2½" x 2½"	1.48	3.18	3.10
20673	3" x 3"	1.73	3.70	3.60
20678	4" x 4"	2.23	4.59	4.45



Viega ProPress XL-C Coupling with Stop P x P - Model 0915XL

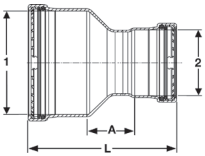
Part Number	Size	A (in)	L (in)
	1 1		
20728	2½" x 2½"	0.95	4.33
20733	3" x 3"	0.98	4.92
20738	4" x 4"	1.06	5.79

Viega ProPress XL (Copper) 2½" to 4"



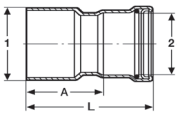
Viega ProPress XL-C Coupling No Stop P x P - Model 0915.5XL

Part Number	Size	L (in)
	1 1	
20743	2½" x 2½"	4.33
20748	3" x 3"	4.92
20753	4" x 4"	5.79



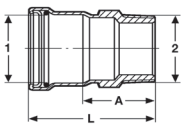
Viega ProPress XL-C Reducer P x P - Model 0915.2XL

Part Number	Size	A (in)	L (in)
	1 2		
20685	2½" x 1"	1.76	4.36
20690	2½" x 1¼"	1.61	4.34
20695	2½" x 1½"	1.52	4.64
20700	2½" x 2"	1.41	4.69
20705	3" x 1½"	1.78	5.17
20710	3" x 2"	1.53	5.08
20715	3" x 2½"	1.41	5.07
20720	4" x 2"	2.06	6.00
20725	4" x 2½"	1.93	5.99
20730	4" x 3"	1.70	6.03



Viega ProPress XL-C Reducer FTG x P - Model 0915.1XL

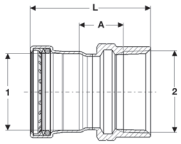
Part Number	Size	A (in)	L (in)
	1 2		
20814	2½" x 1"	3.61	4.52
20815	2½" x 1¼"	3.47	4.51
20813	2½" x 1½"	3.41	4.84
20758	2½" x 2"	2.35	3.94
20817	3" x 1¼"	3.96	5.00
20818	3" x 1½"	3.91	5.34
20763	3" x 2"	2.98	4.57
20768	3" x 2½"	2.76	4.45
20773	4" x 2"	4.58	6.17
20778	4" x 2½"	4.45	6.15
20783	4" x 3"	4.17	6.14



Viega ProPress XL-C Adapter P x MPT - Model 0911XL

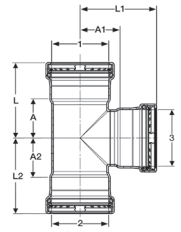
Part Number	Size	A (in)	L (in)
	1 2		
20823	2½"x 2½" MPT	2.76	4.45
20828	3"x 3" MPT	2.84	4.80
20838	4"x 4" MPT	3.10	5.46

Viega ProPress XL (Copper) 2½" to 4"



Viega ProPress XL-C Adapter P x FPT - Model 0912XL

Part Number	Size	A (in)	L (in)
	1 2		
20819	2½" x 2½" FPT	1.53	4.15
20829	3" x 3" FPT	1.84	4.82
20839	4" x 4" FPT	2.09	5.55

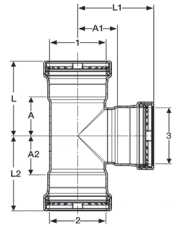


Viega ProPress XL-C Tee P x P x P - Model 0918XL

Part No.	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
20684	2½" x ¾" x 2½"	1.83	1.91	3.23	3.52	3.60	4.13
20689	2½" x 1" x 2½"	1.83	1.91	3.25	3.52	3.60	4.15
20694	2½" x 1¼" x 2½"	1.83	1.91	3.20	3.52	3.60	4.23
20699	2½" x 1½" x 2½"	1.83	1.91	3.14	3.52	3.60	4.57
20704	2½" x 2" x ¾"	1.04	1.61	1.59	2.74	2.52	3.17
20709	2½" x 2" x 1"	1.04	1.77	1.65	2.74	2.67	3.24
22283	2½" x 2" x 1½"	1.30	1.78	2.07	2.99	3.20	3.66
22278	2½" x 2" x 2"	1.50	1.78	2.25	3.19	3.36	3.83
20714	2½" x 2" x 2½"	1.83	1.91	2.41	3.52	3.60	4.00
22303	2½" x 2½" x ½"	0.91	1.52	0.91	2.60	2.27	2.60
22298	2½" x 2½" x ¾"	0.91	1.58	0.91	2.60	2.48	2.60
22293	2½" x 2½" x 1"	1.04	1.77	1.04	2.74	2.68	2.74
22288	2½" x 2½" x 1¼"	1.16	1.76	1.16	2.85	2.79	2.85
20803	2½" x 2½" x 1½"	1.30	1.78	1.30	2.99	3.21	2.99
20688	2½" x 2½" x 2"	1.54	1.75	1.54	3.23	3.34	3.23
20683	2½" x 2½" x 2½"	1.83	1.94	1.83	3.52	3.63	3.52
20719	3" x ¾" x 3"	2.07	2.15	3.82	4.04	4.11	4.72
20724	3" x 1" x 3"	2.07	2.15	3.96	4.04	4.11	4.86
20729	3" x 1¼" x 3"	2.07	2.15	3.83	4.04	4.11	4.86
20727	3" x 1½" x 3"	2.07	2.15	3.71	4.04	4.11	5.14
20732	3" x 2" x 2"	1.56	2.03	2.33	3.52	3.61	3.92
20734	3" x 2" x 2½"	1.85	2.15	2.63	3.82	3.85	4.21
20739	3" x 2" x 3"	2.07	2.15	2.84	4.04	4.11	4.43
20744	3" x 2½" x 2"	1.56	2.03	2.07	3.52	3.61	3.76
20749	3" x 2½" x 2½"	1.85	2.15	2.56	3.82	3.85	4.25
20754	3" x 2½" x 3"	2.07	2.15	2.78	4.04	4.11	4.47
20759	3" x 3" x ½"	0.93	1.76	0.93	2.89	2.50	2.89
22323	3" x 3" x ¾"	0.93	1.80	0.93	2.89	2.71	2.89
22308	3" x 3" x 1"	1.06	2.02	1.06	3.03	2.92	3.03
22313	3" x 3" x 1¼"	1.18	2.01	1.18	3.15	3.04	3.15
20798	3" x 3" x 1½"	1.32	2.03	1.32	3.29	3.45	3.29
20698	3" x 3" x 2"	1.56	2.00	1.56	3.52	3.59	3.52
20703	3" x 3" x 2½"	1.85	2.15	1.85	3.82	3.85	3.82
20693	3" x 3" x 3"	2.07	2.21	2.07	4.04	4.18	4.04

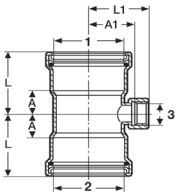
Continued on next page

Viega ProPress XL (Copper) 2½" to 4"



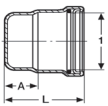
Viega ProPress XL-C Tee P x P x P - Model 0918XL (continued from previous page)

Part No.	Size	A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1 2 3						
20774	4" x 3" x 2"	1.59	2.57	3.33	3.96	4.15	5.22
20784	4" x 3" x 3"	2.11	2.66	3.84	4.47	4.63	5.81
20788	4" x 4" x ½"	1.08	2.24	1.08	3.45	2.99	3.45
20793	4" x 4" x ¾"	1.08	2.32	1.08	3.45	3.22	3.45
20794	4" x 4" x 1"	1.36	2.52	1.36	3.72	3.42	3.72
20795	4" x 4" x 1¼"	1.36	2.50	1.36	3.72	3.54	3.72
20808	4" x 4" x 1½"	1.36	2.52	1.36	3.72	3.95	3.72
20713	4" x 4" x 2"	1.59	2.53	1.59	3.96	4.11	3.96
20718	4" x 4" x 2½"	1.89	2.65	1.89	4.25	4.35	4.25
20723	4" x 4" x 3"	2.11	2.69	2.11	4.47	4.65	4.47
20708	4" x 4" x 4"	2.60	2.72	2.60	4.96	5.09	4.96



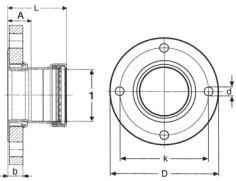
Viega ProPress XL-C Tee P x P x FPT - Model 0917.2XL

Part Number	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2 3				
20883	2½" x 2½" x ¾" FPT	1.02	1.78	2.72	2.34
20878	2½" x 2½" x 2" FPT	1.54	1.90	3.23	2.60
20893	3" x 3" x ¾" FPT	1.04	2.03	3.01	2.59
20888	3" x 3" x 2" FPT	1.56	2.16	3.52	2.85
20873	4" x 4" x ¾" FPT	1.08	2.53	3.34	3.09
20868	4" x 4" x 2" FPT	1.59	2.69	3.96	3.38



Viega ProPress XL-C Cap P - Model 0956XL

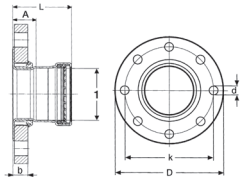
Part Number	Size	A (in)	L (in)
	1		
20833	2½"	0.39	2.11
20843	3"	0.39	2.36
20848	4"	0.39	2.76



Viega ProPress XL-C Adapter Flange P x Flange - Model 0959.5XL

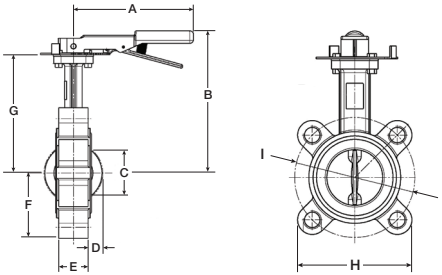
Part Number	Size	A (in)	L (in)	b (in)	k (in)	D (in)	d (in)
	1						
20853	2½"	1.09	2.79	0.70	5.51	7.09	0.75
20858	3"	1.20	3.17	0.79	5.98	7.48	0.75

Viega ProPress XL (Copper) 2½" to 4"



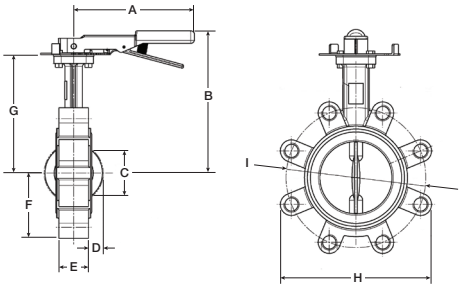
Viega ProPress XL-C Adapter Flange P x Flange - Model 0959.5XL

Part Number	Size	A (in)	L (in)	b (in)	k (in)	D (in)	d (in)
	1						
20863	4"	1.29	3.66	0.86	7.52	9.06	0.75



Butterfly Valve - Model 2873.81

Part No.	Size	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)
22074	2½"	6.50	7.40	2.17	0.43	1.81	2.64	5.35	5.20	5.51
22075	3"	7.28	7.64	2.80	0.67	1.81	2.82	5.59	7.01	5.98



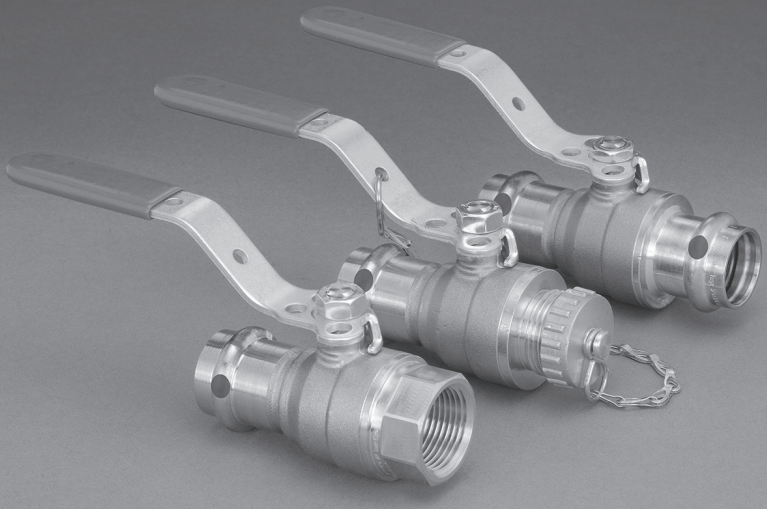
Butterfly Valve - Model 2873.81

Part No.	Size	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	G (in)	H (in)	I (in)
22076	4"	9.06	8.47	3.54	0.91	2.05	3.62	6.42	8.27	7.48

Viega ProPress Zero Lead Valves

½" to 2" Zero Lead valves

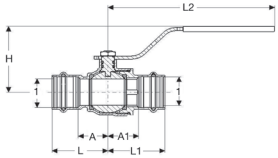
Dimensional documentation



Viega ProPress ½" to 2" Zero Lead valves

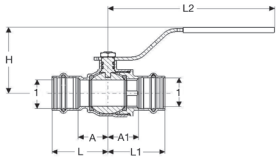
Dimensional documentation (inches)

ZERO LEAD



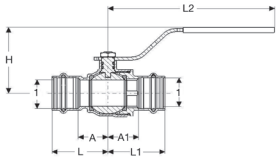
Viega ProPress Ball Valve Zero Lead Bronze P x P - Model 2971.1ZL

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 1						
79920	½" x ½"	0.75	0.75	1.57	1.57	4.57	1.97
79925	¾" x ¾"	0.85	0.87	1.75	1.77	4.57	2.09
79930	1" x 1"	1.02	1.06	1.93	1.96	5.75	2.46
79935	1¼" x 1¼"	1.14	1.12	2.17	2.15	5.75	2.67



Viega ProPress Ball Valve Zero Lead Bronze P x P - Model 2970.1ZL

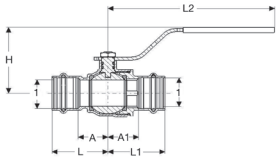
Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 1						
79115	1½" x 1½"	1.50	1.39	2.91	2.80	6.12	3.36
79120	2" x 2"	1.77	1.83	3.35	3.41	6.12	3.67



Viega ProPress Ball Valve Zero Lead Bronze P x P - Model 2971.3ZL

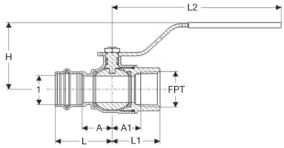
Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 1						
79923	½" x ½"	0.75	0.75	1.57	1.57	4.57	1.97
79928	¾" x ¾"	0.85	0.87	1.75	1.77	4.57	2.09
79933	1" x 1"	1.02	1.06	1.93	1.96	5.75	2.46
79938	1¼" x 1¼"	1.14	1.12	2.17	2.15	5.75	2.67

Viega ProPress ½" to 2" Zero Lead valves



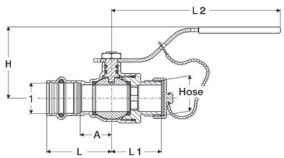
Viega ProPress Ball Valve Zero Lead Bronze P x P - Model 2970.3ZL

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 1						
79840	1½" x 1½"	1.50	1.39	2.91	2.80	6.12	3.36
79845	2" x 2"	1.77	1.83	3.35	3.41	6.12	3.67



Viega ProPress Ball Valve Zero Lead Bronze P x FPT - Model 2971.4ZL

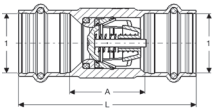
Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 x FPT						
79970	½" x ½"	0.73	0.66	1.57	1.20	4.57	1.97
79975	¾" x ¾"	0.85	0.79	1.75	1.35	4.57	2.09
79980	1" x 1"	1.02	0.98	1.93	1.63	5.75	2.46



Viega ProPress Ball Valve Zero Lead Bronze P x Hose - Model 2971.6ZL

Part No.	Size	A (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 x Hose					
79990	½" x ¾"	0.75	1.57	1.35	4.57	1.97
79995	¾" x ¾"	0.85	1.75	1.35	4.57	2.09

Viega ProPress ½" to 2" Zero Lead valves



Viega ProPress Check Valve Zero Lead Bronze P x P - Model 2974ZL

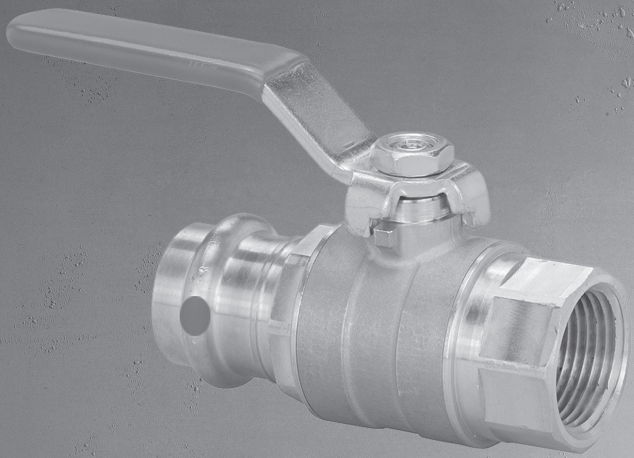
Part No.	Size	A (in)	L (in)
	1 1		
79035	½" x ½"	0.87	2.52
79040	¾" x ¾"	1.14	2.95
79045	1" x 1"	1.34	3.15
79050	1¼" x 1¼"	1.69	3.74
79055	1½" x 1½"	2.09	4.92
79060	2" x 2"	2.56	5.71

*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).

Viega ProPress Valves

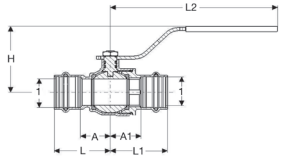
½" to 2" valves

Dimensional documentation



Viega ProPress ½" to 2" valves

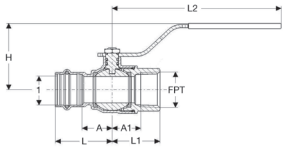
Dimensional documentation (inches)



NOTE: All model 2973, 2973.1 and 2973.3 valves are intended for use in non-potable water applications. For NSF-61G compliant valves refer to Viega ProPress Zero Lead model 2971.

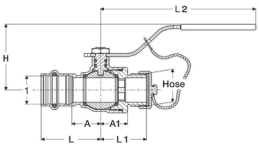
Viega ProPress Ball Valve Bronze/Brass P x P - Model 2973

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 1						
24000	½" x ½"	0.83	0.83	1.58	1.58	3.94	1.69
24005	¾" x ¾"	0.95	0.95	1.86	1.86	4.72	1.97
24010	1" x 1"	1.18	1.18	2.09	2.09	4.72	2.13
24015	1¼" x 1¼"	1.29	1.29	2.31	2.31	6.22	2.87
24020	1½" x 1½"	1.39	1.39	2.81	2.81	6.22	3.11
24025	2" x 2"	1.85	1.85	3.43	3.43	6.22	3.46



Viega ProPress Ball Valve Bronze/Brass P x FPT - Model 2973.1

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 x FPT						
24030	½" x ½"	0.83	0.63	1.58	1.16	3.94	1.69
24035	¾" x ¾"	0.95	0.70	1.86	1.26	4.72	1.97
24040	1" x 1"	1.18	0.93	2.09	1.59	4.72	2.13



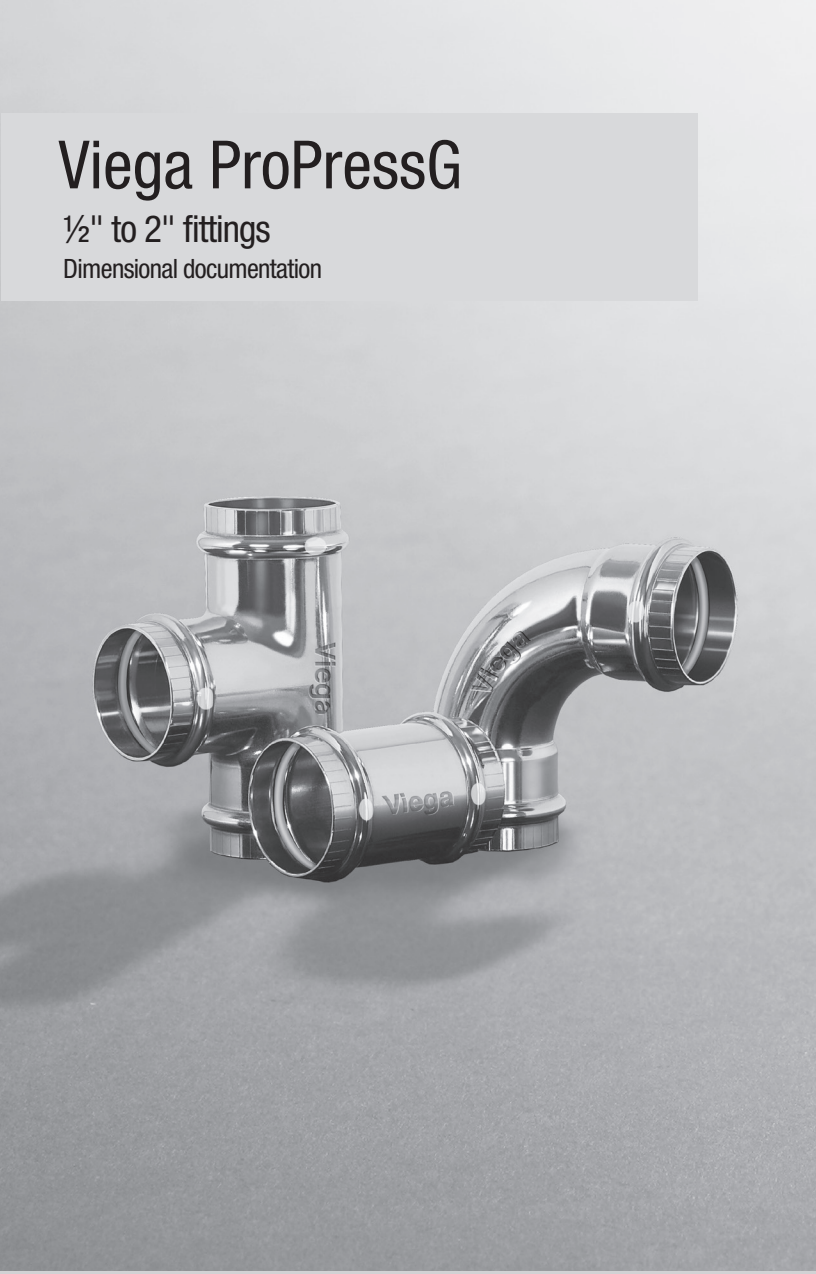
Viega ProPress Ball Valve Bronze/Brass P x Hose - Model 2973.3

Part No.	Size	A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	H (in)
	1 x Hose						
24090	½" x ¾"	0.83	0.85	1.58	1.30	3.89	1.67
24095	¾" x ¾"	0.95	0.94	1.86	1.39	4.72	1.97

Viega ProPressG

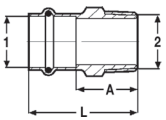
½" to 2" fittings

Dimensional documentation



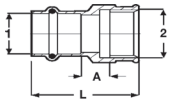
Viega ProPressG ½" to 2"

Dimensional documentation (inches)



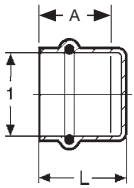
ProPressG Adapter Bronze P x MPT - Model 0611

Part Number	Size	A (in)	L (in)
	1 2		
16043	½" x ⅜" MPT	0.96	1.71
16048	½" x ½" MPT	1.12	1.87
16053	¾" x ¾" MPT	1.18	2.09
16058	1" x 1" MPT	1.46	2.36
16063	1¼" x 1¼" MPT	1.54	2.56
16068	1½" x 1½" MPT	1.54	2.95
16073	2" x 2" MPT	1.67	3.25



ProPressG Adapter Bronze P x FPT - Model 0612

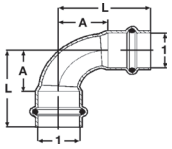
Part Number	Size	A (in)	L (in)
	1 2		
23373	½" x ⅜" FPT	0.22	1.38
16078	½" x ½" FPT	0.29	1.57
16088	¾" x ¾" FPT	0.39	1.85
16093	1" x 1" FPT	0.48	2.05
23358	1¼" x 1¼" FPT	0.38	2.09
23363	1½" x 1½" FPT	0.39	2.48
23368	2" x 2" FPT	0.44	2.72



ProPressG Cap Copper P - Model 0656

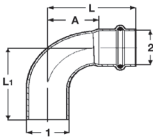
Part Number	Size	A (in)	L (in)
	1		
16313	½"	0.81	0.94
16318	¾"	0.98	1.10
16323	1"	0.98	1.10
16328	1¼"	1.14	1.26
16333	1½"	1.52	1.65
16338	2"	1.69	1.81

Viega ProPressG ½" to 2"



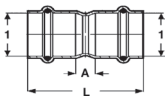
ProPressG 90° Elbow Copper P x P - Model 0616

Part Number	Size	A (in)	L (in)
	1 1		
16128	½" x ½"	0.75	1.50
16133	¾" x ¾"	1.04	1.94
16733	¾" x ¾"	0.76	1.67
16138	1" x 1"	1.32	2.23
16738	1" x 1"	1.28	2.19
16143	1¼" x 1¼"	1.65	2.68
16743	1¼" x 1¼"	1.28	2.31
16148	1½" x 1½"	1.98	3.40
16748	1½" x 1½"	1.29	2.72
16153	2" x 2"	2.55	4.13
16753	2" x 2"	2.16	3.74



ProPressG 90° Street Elbow Copper FTG x P - Model 0616.1

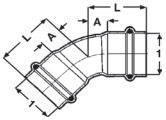
Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
16158	½" x ½"	0.75	1.50	1.54
16163	¾" x ¾"	1.04	1.94	1.98
16763	¾" x ¾"	0.76	1.67	1.83
16168	1" x 1"	1.32	2.23	2.27
16768	1" x 1"	1.28	2.19	2.27
16173	1¼" x 1¼"	1.65	2.68	2.76
16178	1½" x 1½"	1.98	3.40	3.48
16183	2" x 2"	2.55	4.13	4.20



ProPressG Coupling with Stop Copper P x P - Model 0615

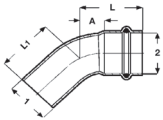
Part Number	Size	A (in)	L (in)
	1 1		
16098	½" x ½"	0.12	1.61
16103	¾" x ¾"	0.20	2.01
16108	1" x 1"	0.16	1.97
16113	1¼" x 1¼"	0.14	2.20
16118	1½" x 1½"	0.14	2.99
16123	2" x 2"	0.14	3.31

Viega ProPressG ½" to 2"



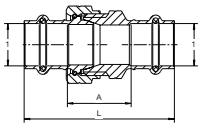
ProPressG 45° Elbow Copper P x P - Model 0626

Part Number	Size	A (in)	L (in)
	1 1		
16188	½" x ½"	0.30	1.04
16193	¾" x ¾"	0.43	1.34
16793	¾" x ¾"	0.36	1.26
16198	1" x 1"	0.55	1.46
16798	1" x 1"	0.47	1.38
16203	1¼" x 1¼"	0.69	1.71
16803	1¼" x 1½"	1.28	1.31
16208	1½" x 1½"	0.83	2.24
16808	1½" x 1½"	1.29	2.72
16213	2" x 2"	1.05	2.63
16813	2" x 2"	2.16	3.74



ProPressG 45° Street Elbow Copper FTG x P - Model 0626.1

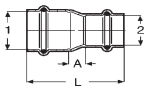
Part No.	Size	A (in)	L (in)	L1 (in)
	1 2			
16218	½" x ½"	0.31	1.06	1.10
16223	¾" x ¾"	0.43	1.34	1.38
16723	¾" x ¾"	0.36	1.26	1.30
16228	1" x 1"	0.55	1.46	1.50
16798	1" x 1"	0.47	1.38	1.49
16233	1¼" x 1¼"	0.69	1.71	1.79
16238	1½" x 1½"	0.83	2.24	2.32
16243	2" x 2"	1.06	2.64	2.72



ProPressG Union Bronze P x P - Model 0650

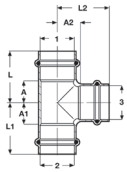
Part Number	Size	A (in)	L (in)
	1 1		
17598	½" x ½"	1.26	2.76
17603	¾" x ¾"	1.34	3.15
17608	1" x 1"	1.83	3.64
17613	1¼" x 1¼"	1.63	3.68
17618	1½" x 1½"	2.13	4.96
17623	2" x 2"	2.07	5.22

Viega ProPressG ½" to 2"



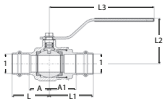
ProPressG Reducer Copper P x P - Model 0615.2

Part Number	Size		A (in)	L (in)
	1	2		
23273	¾"	½"	0.42	2.07
23278	1"	½"	0.74	2.36
23283	1"	¾"	0.50	2.29
23293	1¼"	¾"	0.73	2.64
23288	1¼"	1"	0.57	2.48
23303	1½"	1"	0.77	3.07
23298	1½"	1¼"	0.53	2.96
23308	2"	1"	1.32	3.78
23313	2"	1½"	0.77	3.75



ProPressG Tee Copper P x P x P - Model 0618

Part No.	Size			A (in)	A1 (in)	A2 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
16248	½"	x ½"	x ½"	0.74	0.74	0.50	1.50	1.50	1.24
16253	¾"	x ¾"	x ¾"	0.84	0.84	0.59	1.75	1.75	1.50
16258	¾"	x ¾"	x ½"	0.69	0.69	0.63	1.59	1.59	1.38
16263	1"	x 1"	x 1"	0.71	0.71	0.79	1.87	1.87	1.69
23333	1"	x ¾"	x ½"	0.69	0.89	0.79	1.59	1.79	1.54
17688	1"	x 1"	x ½"	0.69	0.69	0.79	1.59	1.59	1.54
16268	1"	x ¾"	x ¾"	0.84	1.04	0.75	1.75	1.95	1.65
16273	1"	x 1"	x ¾"	0.84	0.84	0.75	1.75	1.75	1.65
16278	1¼"	x 1¼"	x 1¼"	1.02	1.02	0.87	2.05	2.05	1.89
16283	1¼"	x 1¼"	x 1"	0.89	0.89	0.91	1.91	1.91	1.81
16288	1½"	x 1½"	x 1½"	1.14	1.14	1.14	2.56	2.56	2.56
23348	½"	x 1½"	x ¾"	0.67	0.67	1.14	2.09	2.09	2.05
16293	1½"	x 1½"	x 1"	0.75	0.75	1.18	2.17	2.17	2.09
16298	1½"	x 1½"	x 1¼"	0.87	0.87	1.14	2.28	2.28	2.17
16303	2"	x 2"	x 2"	1.38	1.38	1.38	2.95	2.95	2.95
23353	2"	x 2"	x ¾"	0.80	0.80	1.26	2.37	2.37	2.17
16308	2"	x 2"	x 1½"	1.14	1.14	1.38	2.72	2.72	2.80



ProPressG Gas Ball Valve Bronze P x P - Model 0670

Part No.	Size		A (in)	A1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1	1						
19648	½"	x ½"	0.83	1.02	1.57	1.77	1.34	4.76
19653	¾"	x ¾"	0.87	1.14	1.77	2.05	1.42	4.76
19658	1"	x 1"	1.06	1.42	1.96	2.32	1.56	4.76
19663	1¼"	x 1¼"	0.94	1.50	1.96	2.53	1.91	6.10
19668	1½"	x 1½"	1.28	1.43	2.69	2.84	2.20	6.10
19673	2"	x 2"	1.56	1.75	3.13	3.32	2.45	6.10

Notes

Viega Limited Warranty ProPress® Fittings and Valves

Subject to the conditions and limitations in this Limited Warranty, Viega LLC (VIEGA) warrants to wholesalers and licensed plumbing and mechanical contractors in the United States and Canada that its PROPRESS fittings, when properly installed in non industrial and non marine applications and under normal conditions of use, will be free of failure from manufacturing defect for a period of fifty (50) years from date of installation and that its PROPRESS valves, when properly installed in non industrial and non marine applications and under normal conditions of use, will be free of failure from manufacturing defect for a period of two (2) years from date of installation.

Under this Limited Warranty, you only have a right to a remedy if the failure or leak resulted from a manufacturing defect in the products covered by this warranty and the failure or leak occurred during the warranty period. You do not have a remedy under this warranty and the warranty does not apply if the failure or any resulting damage is caused by (1) components other than those manufactured or sold by Viega; (2) not designing, installing, inspecting, or testing the ProPress fittings or valves in accordance with Viega's installation instructions in effect at the time of the installation; applicable code requirements; and accepted industry practice; (3) improper handling and protection of the product prior to and during installation, inadequate freeze protection, exposure to water pressures or temperatures or in applications outside acceptable operating conditions; (4) acts of nature such as, but not limited to, earthquakes, fire, flood, or lightning, or (5) external environmental causes, such as water quality variations, aggressive water, or other external chemical or physical conditions.

In the event of a leak or other failure of the parts covered by this warranty, it is the responsibility of the property owner to obtain and pay for repairs. Only if the warranty applies will Viega be responsible for the remedy under this warranty. The part or parts which you claim failed should be kept and Viega contacted by writing to the address below or telephoning 1-800-976-9819 within thirty (30) days after the leak or other failure and identifying yourself as having a warranty claim. You should be prepared to ship, at your expense, the product which you claim failed due to a manufacturing defect and document the date of installation. Within a reasonable time after receiving the product, Viega will investigate the reasons for the failure, which includes the right to inspect the product at Viega. Viega will notify you in writing of the results of its review.

In the event that Viega determines that the failure or leak was the result of a manufacturing defect in the part covered by this warranty and that this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for repair and/or replacement of the part. VIEGA SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER DAMAGE (FOR EXAMPLE, WATER OR PROPERTY OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION OR INDEMNITY OR OTHERWISE.

THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. If a limited warranty shall be found to apply, such warranty is limited to four years. Other than this Limited Warranty, Viega does not authorize any person or firm to create for it any other obligation or liability in connection with its products.

This Limited Warranty gives you specific legal rights and you also may have other rights which may vary from state to state. This warranty shall be interpreted and applied under the law of the state in which the product is installed and is intended as a Commercial Warranty.

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

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