



Viega ProPress Systems

The global leader
in plumbing, heating
and pipe joining systems



Viega ProPress Systems

Viega...

The global leader in plumbing, heating and pipe joining systems.

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

Available in copper and two grades of stainless steel, Viega ProPress systems can help reduce installation time up to 60 percent compared to traditional methods of pipe joining. Soldering and welding copper or stainless pipe can be messy and time consuming, and connections are not always reliable. With Viega press technology, installers can make consistent, secure 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 the patented Viega Smart Connect® feature, the only guaranteed feature to detect unpressed fittings. Designed into the fitting itself, the Viega Smart Connect feature 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.

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 ProPress Systems

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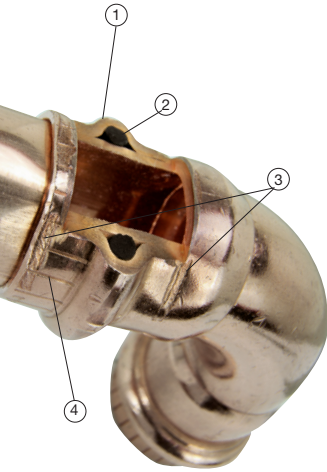
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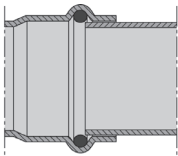
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Safe, certain and secure, Viega fittings are designed for peace of mind

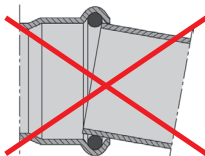


At Viega, safety is priority.

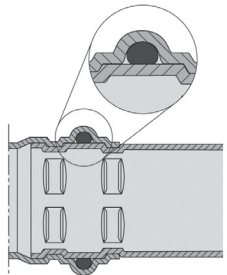
- 1** Viega's unique, patented Smart Connect feature helps installers ensure that they have pressed all connections.
- 2** Viega offers three different sealing elements to suit virtually any application: EPDM, HNBR and FKM.
- 3** Viega's distinctive hexagonal pressing pattern bonds fitting and pipe and 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.



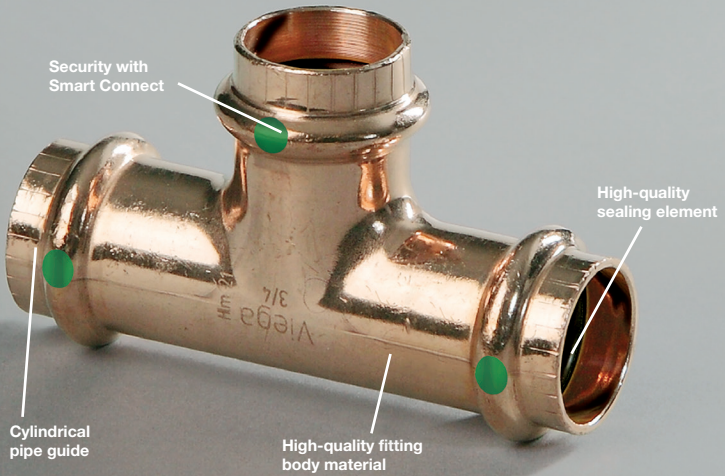
All Viega ProPress fittings are designed with cylindrical pipe guides to keep the pipe straight and protect the sealing element during assembly.



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

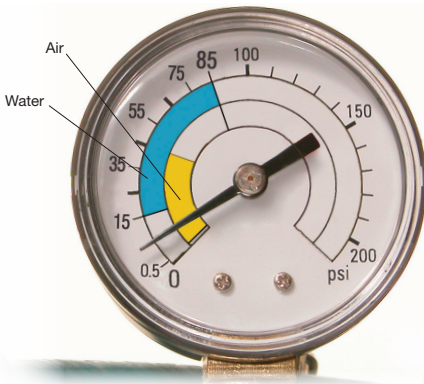


Viega fittings are pressed before, after and on top of the sealing element in a single step, which creates a permanent connection that is secure and guaranteed to last.



Security under pressure

Leak testing is an important step in the pressure testing process. Viega ProPress® includes the Smart Connect® feature, providing quick and easy identification of unpressed connections during the leak testing process. The Smart Connect feature is an integral part of the design of the fitting, resulting in the leakage of liquids and/or gases from inside the system past the sealing element from an unpressed connection. When pressed according to our Product Instructions, the Smart Connect feature is altered, creating a leak-proof, permanent connection. 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 if required by local code requirements or project specifications.

Viega ProPress Systems

System data sheet

System Description

Viega ProPress and Viega ProPress XL (copper) are safe, reliable, and economical copper pipe installation systems that use modern cold press connection technology for a wide assortment of more than 600 fittings in dimensions ranging from ½" to 4".

Tubing: K, L and M hard copper tubing from ½" to 4" and soft copper tubing in ½" to 1¼" diameters.

Applications

All tubing must comply with the ASTM B88 standard. 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.

Operating Parameters

Operating Pressure 200 psi Max.
Test Pressure 600 psi Max.
Low-Pressure Steam 15 psi Max.
Vacuum 29.2" Mercury Max. @ 68°F
Operating Temperature 0°F - 250°F

Approved Applications

- Potable Water • Hydronic Heating (w/ Glycol)
- Chilled Water • Compressed Air (200 psi Max.)
- Non Medical Gases (140 psi Max.)
- Fire Sprinkler (175 psi Max.)
- Low-Pressure Steam (15 psi Max.)
- Vacuum (29.2" Mercury Max. @ 68°F)

System Benefits

- Fast and Easy to Use
- Flameless
- Permanent Connections
- Large Selection of Fittings from ½" to 4"
- Consistent Professional Appearance
- Less Equipment Required
- Environmentally Friendly Connection System
- Versatility of Fittings and Tools for Variety of Applications

Fittings

There are more than 600 Viega ProPress fittings including: Elbows, Couplings, Reducers, Tees, Reducing Tees, Threaded Adapters, Unions, Caps and Flanges. All threaded ½" - 2" fittings are bronze. Viega ProPress and Viega ProPress XL (copper) fittings conform to NSF 61 Annex G.

Smart Connect Feature

In Viega ProPress ½" - 4" dimensions, the Smart Connect feature 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 service.

RIDGID Pressing Tools			
Model	330C	330B	210B
Volts	120v	18v Battery	18v Battery
Amps	5.2A	27.2A	24A
Weight (w/out jaw)	9 lbs.	10 lbs.	6.4 lbs.

Tools

RIDGID offers three pressing tools for connecting Viega ProPress fittings.

- 330-C Corded Tool (½" to 4")
- 330-B Battery-powered Tool (½" to 4")
- 210-B Battery-powered Tool (½" to 1¼")

History

Viega ProPress has been used in Europe since the late 1980s and in the U.S. since the late 1990s for a variety of applications.

Warranty

Viega ProPress products carry a 50-year warranty against defects in material and workmanship.

Approvals and Certificates

NSF International

www.nsf.org/business/search_listings/index.asp#mname
(enter "Viega")

IAPMO

<http://pld.iapmo.org/> (enter "Viega")

UL

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/gfilenr.html> (enter "ex6157")

ABS

(American Bureau of Shipping)
<http://www.eagle.org> (enter "Viega")

CSA International

<http://www.csa-international.org/product/> (enter "Viega")

FM

<http://www.fmglobal.com>

INTERNATIONAL APPROVALS

- Deutscher Verein des Gas- und Wasserfaches e.V. (DVGW)
- Lloyd's Register (LLOYD'S) • Det Norske Veritas (DNV)
- Registro Italiano Navale (RINA) • Bureau Veritas (BV)
- KIWA

Compliant with

- ICC International Plumbing Code
- UPC Uniform Plumbing Code
- PHCC National standard plumbing code
- Florida Building Code, Volume II Plumbing Code
- NFPA 13,13D and 13R

Contact your local Viega representative for details on local approvals

For more information on RIDGID products, contact:

Ridge Tool Company
400 Clark Street, Elyria, Ohio 44036
Demos, Literature: 800-769-7743
Technical inquiries: 800-519-3456
Availability: 888-743-4333
Web: www.ridgid.com

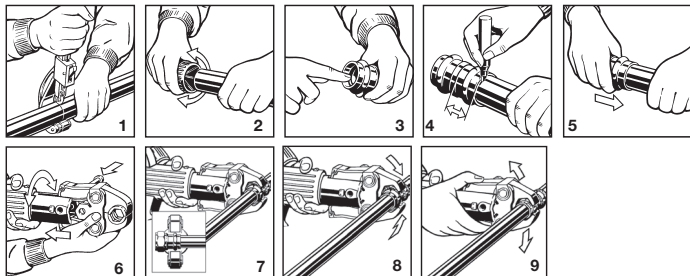
Viega ProPress Systems

Product Instructions

For Types K, L and M Hard Copper Tubing in 1/2" to 2" and Soft Copper Tubing in 1/2" to 1 1/4".

This Product Contains Zero Lead

⚠ 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.



Viega ProPress Insertion Depth Chart

Tube Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Insertion Depth	3/4"	7/8"	7/8"	1"	17/16"	19/16"

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.
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.
10. For applications requiring Viega ProPress with FKM sealing elements, remove the factory installed EPDM sealing element and replace with FKM sealing element.



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 1/2 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.

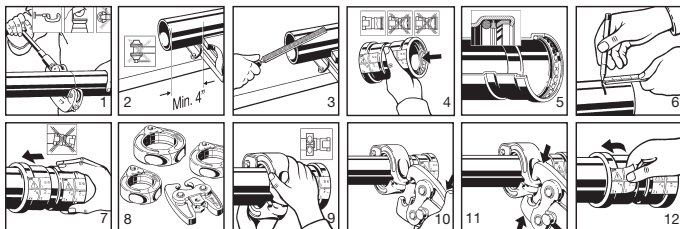
This document subject to updates. For the most current Viega technical literature please visit www.viega.net. Click Services -> Click Electronic Literature Downloads -> Select Product Line -> Select Desired Document

Viega ProPress XL (Copper) System

Product Instructions

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

⚠ 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.



ProPress XL (copper) Insertion Depth Chart			
Tube Size	2½"	3"	4"
Insertion Depth	1⅝"	1⅞"	2⅜"

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.

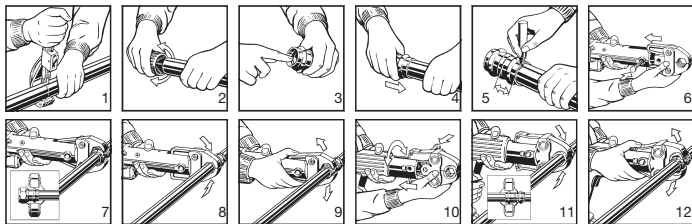
Leak Testing with Smart Connect®: Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi maximum. Leak testing with air can be dangerous at high pressures. When testing with compressed air the proper pressure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

Viega ProPress Gas Systems

Product Instructions

For Types K, L and M Hard Copper Tubing in 1/2" to 2" and Soft Copper Tubing in 1/2" to 1/4"

⚠ WARNING Read and understand all instructions for installing Viega ProPressG fittings for Fuel Gas. 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. Deburr tubing on inside and outside.
3. Check seal for correct fit. Do not use oils or lubricants. Use only Viega ProPress Yellow HNBR sealing elements.
4. While turning slightly, slide press fitting onto tubing to the fitting stop. Note: End of tubing must stop.
5. Mark insertion depth.
6. Insert the appropriate jaw into the pressing tool and push in holding pin until it locks into 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.
10. Battery-powered tool: Insert the appropriate jaw into the tool and secure with the holding pin. Rotate tool head into desired position.
11. Open the jaw and place on the press fitting at right angles. Check insertion depth, start pressing process and hold the trigger until the jaw has engaged the fitting.
12. On completion of the pressing process, 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, the LP-Gas Code NFPA 58, as applicable.
- For use with type K, L or M copper tubing, drawn copper from 1/2" to 2", and annealed copper from 1/2" to 1/4". 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, ANSI Z223.1, 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.



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 1/2 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.

This document subject to updates. For the most current Viega technical literature please visit www.viega.net. Click Services -> Click Electronic Literature Downloads -> Select Product Line -> Select Desired Document

Viega ProPress Systems

Technical Information

Friction Loss Allowances

Wrought — Copper Fittings						
Size	90° Elbow	45° Elbow	Tee Run	Outlet	90° Bend	180° Bend
½"	½	½	½	1	½	1
¾"	1	½	½	2	1	2
1"	1	1	½	3	2	2
1¼"	2	1	½	4	2	3
1½"	2	2	1	5	2	4
2"	2	2	1	7	3	8
2½"	2	3	2	9	4	16
3"	3	4	—	—	5	20
4"						

Cast — Copper Alloy Fittings				
Size	90° Elbow	45° Elbow	Tee Run	Outlet
½"	1	½	½	2
¾"	2	1	½	3
1"	4	2	½	5
1¼"	5	2	1	7
1½"	8	3	1	9
2"	11	5	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.

Operating parameters

- Operating Pressure 200 psi Max.
- Test Pressure 600 psi Max.
- Low-Pressure Steam 15 psi Max.
- Vacuum 29.2" Mercury Max. @ 68°F
- Operating Temperature 0°F - 250°

Tools

Viega recommends Ridgid press tools, Viega ProPress jaws and ring sets manufactured and sold by Ridgid Tool Company for Viega systems.

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"	⅜"
1½"	⅝"
2"	¾"

Viega ProPress XL (Copper) — 2½" to 4"	
Tubing Diameter	Minimum Clearance
2½"	⅝"
3"	⅝"
4"	⅝"

Insertion Depths

Viega ProPress and Viega ProPressG — ½" to 2"	
Tubing Diameter	Insertion Depth
½"	¾"
¾"	⅞"
1"	⅞"
1¼"	1"
1½"	1⅞"
2"	1⅞"

Viega ProPress XL (Copper) — 2½" to 4"	
Tubing Diameter	Insertion Depth
2½"	1⅞"
3"	1⅞"
4"	2⅞"

Viega ProPress Systems

Approved applications

Types of Service	System Operating Conditions			Viega ProPress	Viega ProPressG	Specialty Seals Field Installed
	Comments	Pressure	Temperature	EPDM	HNBR	FKM
Fluids/Water						
Hot & Cold Potable Water	UPC and IMC regulate potable water temperature to 120°F for bathing purposes	200 psi	32°F - 250°F	√		
Rainwater/ Greywater		200 psi		√	√	√
Fire Sprinkler	Compliant with UL, FM with EPDM only	175 psi		√		√
Chilled Water	Ethylene Glycol / Propylene Glycol	200 psi	Down to -4°F	√	√	√
Hydronic Heating	Ethylene Glycol / Propylene Glycol	200 psi	Up to 250°F	√		√
Low-Pressure Steam		Up to 15 psi	248°F	√		√
Oil and Lubricant						
Heating Fuel Oil		125 psi	-40°F - 180°F Ambient		√	
Diesel Fuel	Compliant with NFPA 30 and 30A	125 psi			√	
Ethanol	Pure grain alcohol					√
Gases						
Compressed Air	Less than 25mg/m ³ oil content	200 psi		√	√	√
Compressed Air	More than 25mg/m ³ oil content	200 psi			√	√
Natural Gas	Compliant with CSA LC4	125 psi	-40° - 180°F Ambient		√	
Liquid Propane Gas, Liquid Butane Gas	Compliant with CSA LC4	125 psi	-40° - 180°F Ambient		√	
Oxygen - O ₂ (non medical)	Keep oil and fat free / non liquid O ₂	140 psi (200 psi only HNBR)	Up to 140°F	√	√	
Nitrogen - N ₂		200 psi		√	√	
Carbon dioxide - CO ₂	Dry	200 psi		√	√	
Argon		200 psi		√	√	
Hydrogen - H		125 psi		√	√	
Vacuum		Max. 29.2 inches of Mercury		√	√	√
Notes: FKM sealing elements not compatible with XL (copper) fittings.						
<ol style="list-style-type: none"> All systems are recommended to be clearly labeled with the fluid or gas being conveyed. For further information please consult the Viega Technical Support Department. Consult the Viega Technical Support Department for information on applications not listed and applications outside the temperature and pressure ranges listed above. 						

Viega ProPress Systems

Sealing element descriptions

EPDM Sealing Element

Viega ProPress / Viega 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 unvulcanized 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 unvulcanized rubber 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.

FKM Sealing Element

The EPDM sealing element installed at the factory can be removed from the Viega ProPress / Viega ProPress XL press fittings in the field and replaced with the appropriate size FKM sealing element.

Definition: FKM

Fluoroelastomer flat black in color

Maximum Pressure: 200 psi

Operating Temperature:

0°F to 284°F
(or higher, for brief periods)

FKM sealing elements are recommended for use in solar heating systems, which may experience temperature spikes up to 356°F.

FKM is well known for its excellent resistance to petroleum products and solvents as well as excellent high-temperature performance. The FKM sealing element is a specialty purpose rubber-sealing element typically installed where higher temperatures and pressures are required.

It possesses excellent resistance to aging, ozone, sunlight, weathering, environmental influences, oils and petroleum-based additives. Its excellent resistance to high temperatures and petroleum-based additives makes it ideal for seals and gaskets in solar, district heating, low-pressure steam and compressed air system fittings.

The FKM sealing element is not suitable for food contact applications and cannot be installed in drinking water applications, natural gas, LP gas, mixed gases or fuel oil systems.

It is not resistant against polar solvents, amines, anhydrous ammonia, SKYDROL, hydrazine and hot acids.

HNBR Sealing Element

Viega 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.

Viega ProPress Systems

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 January 4th, 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% 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 Viega 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.

Q What materials are used to produce Viega ProPress zero lead fittings?

A Viega ProPress zero lead bronze fittings are constructed of: UNS – C87710 and UNS – C87700.

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

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

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 lubrication 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, 50 years.

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

A If necessary, pre-fabricate connections that are in tight places and then install.

Q What is the warranty for Viega ProPress?

A Viega ProPress fittings carry a 50-year warranty against defects in material and workmanship from Viega. RIDGID Tools carry a lifetime warranty to be free from defects in workmanship and material.

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? **Continued on next page.**

Viega ProPress Systems

Frequently Asked Questions

Continued from previous page.

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.

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 Viega ProPress Installation 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 Can both Viega ProPress and Viega ProPressG fittings be used in the same installation?

A Yes. Both fittings can be used in the same installation as long as both fittings are approved for that particular application.

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 properly installed 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. If a chop saw is used to cut the tubing, deburr the tubing before insertion into the fitting. This will prevent damage to the seal.

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 the Smart Connect feature?

A The Smart Connect feature 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 maximum. When testing with water, the pressure range is 15 psi to 85 psi maximum. The Smart Connect feature is removed during the pressing process, creating a leak-proof, permanent connection. Guaranteed.

Q Why is the Smart Connect feature so valuable?

A The Smart Connect feature 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

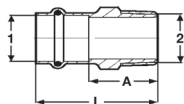
1/2" to 2" fittings

Dimensional documentation



Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze Adapter P x MPT - Model 2911ZL

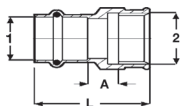
Part No	Size		A (in)	L (in)
	1	2		
79210	1/2"	x 3/8" MPT	0.77	1.59
79215	1/2"	x 1/2" MPT	0.89	1.71
79220	1/2"	x 3/4" MPT	1.00	1.83
79225	3/4"	x 1/2" MPT	1.02	1.93
79230	3/4"	x 3/4" MPT	1.02	1.93
79235	3/4"	x 1" MPT	1.18	2.09
79240	1"	x 3/4" MPT	1.18	2.09
79245	1"	x 1" MPT	1.26	2.17
79250	1"	x 1 1/4" MPT	1.54	2.44
79255	1 1/4"	x 1" MPT	1.22	2.24
79260	1 1/4"	x 1 1/4" MPT	1.34	2.36
79265	1 1/4"	x 1 1/2" MPT	1.48	2.50
79270	1 1/2"	x 1 1/4" MPT	1.34	2.76
79275	1 1/2"	x 1 1/2" MPT	1.28	2.70
79280	1 1/2"	x 2" MPT	1.65	3.07
79285	2"	x 1 1/2" MPT	1.54	3.11
79290	2"	x 2" MPT	1.50	3.07

Bronze Adapter P x MPT - Model 2911

Part No	Size		A (in)	L (in)
	1	2		
77812	1/2"	x 3/8" MPT	0.97	1.71
77817	1/2"	x 1/2" MPT	1.12	1.87
77822	1/2"	x 3/4" MPT	1.22	1.97
77827	3/4"	x 1/2" MPT	1.18	2.09
77832	3/4"	x 3/4" MPT	1.18	2.09
22348	3/4"	x 1" MPT	1.42	2.32
77837	1"	x 3/4" MPT	1.32	2.22
77842	1"	x 1" MPT	1.46	2.36
77847	1"	x 1 1/4" MPT	1.73	2.64
77852	1 1/4"	x 1" MPT	1.42	2.44
77857	1 1/4"	x 1 1/4" MPT	1.54	2.56
77862	1 1/4"	x 1 1/2" MPT	1.65	2.68
77867	1 1/2"	x 1 1/4" MPT	1.54	2.95
77872	1 1/2"	x 1 1/2" MPT	1.54	2.95
22343	1 1/2"	x 2" MPT	1.83	3.25
22338	2"	x 1 1/2" MPT	1.68	3.25
77877	2"	x 2" MPT	1.67	3.25

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze Adapter P x FPT - Model 2912ZL

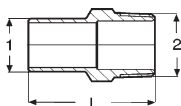
Part No	Size	A (in)	L (in)
	1 2		
79295	1/2" x 3/8" FPT	0.19	1.42
79300	1/2" x 1/2" FPT	0.25	1.61
79305	1/2" x 3/4" FPT	0.27	1.65
79310	3/4" x 1/2" FPT	0.32	1.77
79315	3/4" x 3/4" FPT	0.35	1.81
79320	1" x 1/2" FPT	0.41	1.85
79325	1" x 3/4" FPT	0.39	1.85
79330	1" x 1" FPT	0.44	2.01
79335	1" x 1 1/4" FPT	0.50	2.09
79340	1 1/4" x 1/2" FPT	0.37	1.93
79345	1 1/4" x 1" FPT	0.24	1.93
79350	1 1/4" x 1 1/4" FPT	0.34	2.05
79355	1 1/4" x 1 1/2" FPT	0.42	2.13
79360	1 1/2" x 1 1/4" FPT	0.26	2.36
79365	1 1/2" x 1 1/2" FPT	0.34	2.44
79370	2" x 2" FPT	0.41	2.68

Bronze Adapter P x FPT - Model 2912

Part No	Size	A (in)	L (in)
	1 2		
77887	1/2" x 3/8" FPT	0.22	1.38
77892	1/2" x 1/2" FPT	0.29	1.58
77897	1/2" x 3/4" FPT	0.39	1.69
77902	3/4" x 1/2" FPT	0.33	1.77
77907	3/4" x 3/4" FPT	0.39	1.85
14548	1" x 1/2" FPT	0.25	1.69
77912	1" x 3/4" FPT	0.39	1.85
77917	1" x 1" FPT	0.48	2.05
77922	1" x 1 1/4" FPT	0.54	2.13
22208	1 1/4" x 1 1/2" FPT	0.37	1.93
77927	1 1/4" x 1" FPT	0.21	1.89
77932	1 1/4" x 1 1/4" FPT	0.38	2.09
77937	1 1/4" x 1 1/2" FPT	0.46	2.17
77942	1 1/2" x 1 1/4" FPT	0.38	2.48
77947	1 1/2" x 1 1/2" FPT	0.38	2.48
77952	2" x 2" FPT	0.45	2.72

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze Adapter FTG x MPT - Model 2911.1ZL

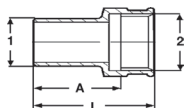
Part No	Size		L (in)
	1	2	
79375	1/2"	3/8" MPT	1.75
79380	1/2"	1/2" MPT	1.95
79385	1/2"	3/4" MPT	2.05
79390	3/4"	1/2" MPT	1.93
79395	3/4"	3/4" MPT	2.05
79400	1"	3/4" MPT	2.05
79405	1"	1" MPT	2.22
79410	1 1/4"	1 1/4" MPT	2.54
79415	1 1/2"	1 1/2" MPT	2.89
79420	2"	2" MPT	3.33

Bronze Adapter FTG x MPT - Model 2911.1

Part No	Size		L (in)
	1	2	
77957	1/2"	3/8" MPT	1.73
77962	1/2"	1/2" MPT	1.97
77967	1/2"	3/4" MPT	2.05
77972	3/4"	1/2" MPT	2.03
77977	3/4"	3/4" MPT	2.15
14553	1"	3/4" MPT	2.15
77982	1"	1" MPT	2.36
77987	1 1/4"	1 1/4" MPT	2.66
77992	1 1/2"	1 1/2" MPT	3.05
77997	2"	2" MPT	3.54

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



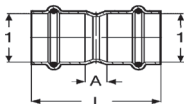
Bronze Adapter FTG x FPT - Model 2912.1ZL

Part No	Size	A (in)	L (in)
	1 2		
79425	1/2" x 3/8" FPT	1.13	1.54
79430	1/2" x 1/2" FPT	1.22	1.75
79435	1/2" x 3/4" FPT	1.28	1.83
79440	3/4" x 1/2" FPT	1.26	1.79
79445	3/4" x 3/4" FPT	1.28	1.83
79455	1" x 1/2" FPT	1.45	1.99
79450	1" x 1" FPT	1.33	1.99
79460	1 1/4" x 1/2" FPT	1.65	2.19
79465	1 1/4" x 1 1/4" FPT	1.50	2.19
79470	1 1/2" x 1 1/2" FPT	1.88	2.56
79475	2" x 2" FPT	2.26	2.95

Bronze Adapter FTG x FPT - Model 2912.1

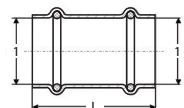
Part No	Size	A (in)	L (in)
	1 2		
78002	1/2" x 3/8" FPT	1.03	1.44
78007	1/2" x 1/2" FPT	1.12	1.65
78012	1/2" x 3/4" FPT	1.18	1.73
78017	3/4" x 1/2" FPT	1.22	1.75
78022	3/4" x 3/4" FPT	1.26	1.81
22218	1" x 1/2" FPT	1.43	1.97
78027	1" x 1" FPT	1.31	1.97
22213	1 1/4" x 1/2" FPT	1.63	2.17
78032	1 1/4" x 1 1/4" FPT	1.48	2.17
78037	1 1/2" x 1 1/2" FPT	1.88	2.56
78042	2" x 2" FPT	2.34	3.03

Copper Coupling P x P with Stop - Model 2915



Part No	Size	A (in)	L (in)
	1		
78047	1/2"	0.12	1.61
78052	3/4"	0.20	2.01
78057	1"	0.16	1.97
78062	1 1/4"	0.14	2.21
78067	1 1/2"	0.14	2.99
78072	2"	0.14	3.31

Copper Coupling P x P No Stop - Model 2915.3



Part No	Size	L (in)
	1	
78172	1/2"	1.61
78177	3/4"	2.01
78182	1"	1.97
78187	1 1/4"	2.21
78192	1 1/2"	2.99
78197	2"	3.31

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)

Copper Extended Coupling P x P No Stop Model 2915.5

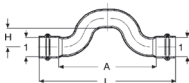


Part No	Size	L (in)
	1	
79005	1/2"	2.99
79010	3/4"	3.50
79015	1"	3.74
79020	1 1/4"	4.13
79025	1 1/2"	4.72
79030	2"	5.32

Bronze Extended Coupling P x P No Stop Model 2915.6

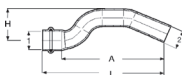
Part No	Size	L (in)
	1	
78213	1/2"	2.95
78218	3/4"	3.35
78223	1"	3.74
78228	1 1/4"	4.13
78233	1 1/2"	4.72
78238	2"	5.32

Copper Cross-Over P x P - Model 2928



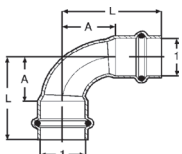
Part No	Size	A (in)	L (in)	H (in)
	1			
77742	1/2"	3.62	5.12	0.77
77747	3/4"	4.49	6.30	0.90

Copper Cross-Over FTG x P - Model 2927



Part No	Size	A (in)	L (in)	H (in)
	1 2			
78137	1/2" x 1/2"	3.84	4.59	1.20
78142	3/4" x 3/4"	4.64	5.54	1.54

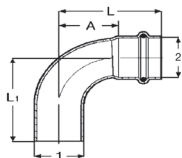
Copper Elbow 90° P x P - Model 2916



Part No	Size	A (in)	L (in)
	1		
77317	1/2"	0.75	1.50
77322	3/4"	1.04	1.95
77327	1"	1.32	2.23
77332	1 1/4"	1.65	2.68
77337	1 1/2"	1.98	3.40
77342	2"	2.54	4.13

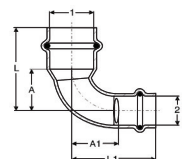
Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



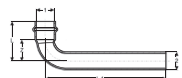
Copper Elbow 90° FTG x P - Model 2916.1

Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
77347	1/2" x 1/2"	0.75	1.50	1.54
77352	3/4" x 3/4"	1.04	1.95	1.98
77357	1" x 1"	1.32	2.23	2.27
77362	1 1/4" x 1 1/4"	1.65	2.68	2.76
77367	1 1/2" x 1 1/2"	1.98	3.40	3.48
77372	2" x 2"	2.54	4.13	4.21



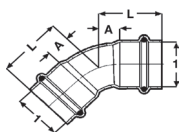
Copper Reducing Elbow 90° P x P - Model 2916.3

Part No	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
77325	3/4" x 1/2"	0.91	0.95	1.81	1.69
77330	1" x 3/4"	1.21	1.30	2.11	2.21



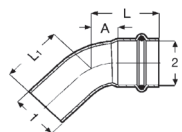
Copper Elbow 90° FTG x P - Model 2947

Part No	Size	Z (in)	L (in)	L1 (in)
	1 2			
77353	3/4" x 3/4"	1.02	1.93	5.98



Copper Elbow 45° P x P - Model 2926

Part No	Size	A (in)	L (in)
	1 2		
77607	1/2"	0.30	1.04
77612	3/4"	0.43	1.34
77617	1"	0.55	1.46
77622	1 1/4"	0.68	1.71
77627	1 1/2"	0.82	2.24
77632	2"	0.82	2.63

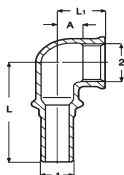


Copper Elbow 45° FTG x P - Model 2926.1

Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
77637	1/2" x 1/2"	0.31	1.06	1.10
77642	3/4" x 3/4"	0.43	1.34	1.37
77647	1" x 1"	0.55	1.46	1.49
77652	1 1/4" x 1 1/4"	0.68	1.71	1.79
77657	1 1/2" x 1 1/2"	0.82	2.24	2.32
77662	2" x 2"	1.05	2.63	2.71

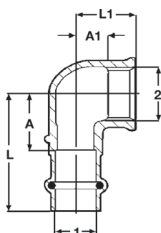
Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze Elbow 90° FTG x FPT - Model 2914.3

Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
77577	1/2" x 1/2" FPT	0.331	2.008	0.866

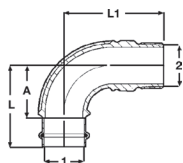


Bronze Elbow 90° P X FPT - Model 2914.2ZL

Part No	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
79520	1/2" x 3/8" FPT	0.95	0.42	1.77	0.83
79525	1/2" x 1/2" FPT	0.95	0.57	1.77	1.10
79530	1/2" x 3/4" FPT	1.06	0.51	1.89	1.06
79535	3/4" x 1/2" FPT	1.06	0.65	1.97	1.18
79540	3/4" x 3/4" FPT	1.06	0.57	1.97	1.12
79545	1" x 1/2" FPT	1.06	0.72	1.97	1.26
79550	1" x 1" FPT	1.34	0.76	2.24	1.42
79560	1 1/4" x 1 1/4" FPT	1.54	0.89	2.56	1.58
79565	1 1/2" x 1 1/2" FPT	1.69	1.05	3.11	1.73
79570	2" x 2" FPT	2.17	1.35	3.74	2.05

Bronze Elbow 90° P x FPT - Model 2914.2

Part No	Size	A (in)	A1 (in)	L (in)	L1 (in)
	1 2				
22193	1/2" x 3/8" FPT	0.95	0.30	1.69	0.73
77532	1/2" x 1/2" FPT	0.98	0.33	1.73	0.87
77537	1/2" x 3/4" FPT	1.14	0.41	1.89	0.97
77542	3/4" x 3/4" FPT	1.15	0.49	2.06	1.04
22203	1" x 1/2" FPT	1.30	0.72	2.21	1.26
77552	1" x 1" FPT	1.42	0.62	2.32	1.28
77557	1 1/4" x 1 1/4" FPT	1.58	0.84	2.60	1.52
77562	1 1/2" x 1 1/2" FPT	1.61	1.01	3.03	1.69
77567	2" x 2" FPT	2.24	1.47	3.82	2.17



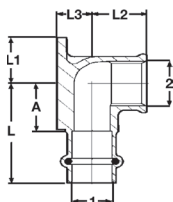
Bronze Elbow 90° P x MPT - Model 2914

Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
77497	1/2" x 3/4" MPT	0.95	1.69	2.05
77502	3/4" x 1/2" MPT	0.98	1.89	1.87
77517	1 1/4" x 1 1/4" MPT	1.86	2.90	3.47
77522	1 1/2" x 1 1/2" MPT	2.21	3.62	3.84
77527	2" x 2" MPT	2.76	4.33	4.72

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)

Bronze Elbow Drop 90° P x FPT with Wall Plate Model 2925.5ZL

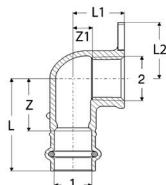


Part No	Size	L (in)	L1 (in)	L2 (in)	L3 (in)	A (in)
	1 2					
79185	1/2" x 3/8" FPT	1.77	0.74	0.83	0.67	0.94
79190	1/2" x 1/2" FPT	1.77	0.74	1.10	0.67	0.94
79195	3/4" x 3/4" FPT	1.97	0.83	1.12	0.83	1.06

Bronze Elbow Drop 90° P x FPT with Wall Plate Model 2925.5

Part No	Size	L (in)	L1 (in)	L2 (in)	L3 (in)	A (in)
	1 2					
22223	1/2" x 3/8" FPT	1.77	0.84	0.73	0.52	1.02
77697	1/2" x 1/2" FPT	1.73	0.84	0.87	0.52	0.98
77702	3/4" x 3/4" FPT	2.05	1.18	1.12	0.84	1.14
72481	1" x 1" FPT	2.36	0.98	1.26	0.87	1.46

Bronze Hi Ear 90° P x FPT - Model 2925.2ZL

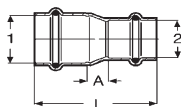


Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)
	1 2					
79205	1/2" x 1/2" FPT	0.95	0.57	1.77	1.10	1.07

Bronze Hi Ear 90° P x FPT - Model 2925.2

Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)
	1 2					
77572	1/2" x 1/2" FPT	0.98	0.33	1.73	0.87	1.05

Copper Reducer P x P - Model 2915.2

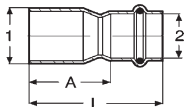


Part No	Size	A (in)	L (in)
	1 2		
78147	3/4" x 1/2"	0.42	2.07
15603	1" x 1/2"	0.71	2.36
78152	1" x 3/4"	0.48	2.29
15593	1 1/4" x 3/4"	0.70	2.64
78157	1 1/4" x 1"	0.55	2.48
18473	1 1/2" x 3/4"	0.98	3.33
15588	1 1/2" x 1"	0.74	3.07
78162	1 1/2" x 1 1/4"	0.50	2.96
18468	2" x 3/4"	1.54	4.02
15608	2" x 1"	1.29	3.78
22328	2" x 1 1/4"	0.81	3.43
78167	2" x 1 1/2"	0.74	3.75

Viega ProPress 1/2" to 2"

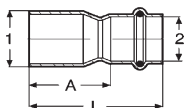
Dimensional documentation (inches)

Bronze Reducer FTG x P - Model 2915.4



Part No	Size	A (in)	L (in)
	1 2		
15573	1 1/2" x 1/2"	2.01	2.76
15578	2" x 1/2"	2.91	3.66
15583	2" x 3/4"	2.87	3.78

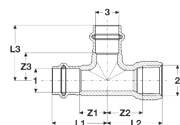
Bronze Reducer FTG x P - Model 2915.1ZL



Part No	Size	A (in)	L (in)
	1 2		
79850	1 1/2" x 1/2"	1.95	2.78
79855	2" x 1/2"	2.38	3.21
79860	2" x 3/4"	2.42	3.33

Copper Reducer FTG x P - Model 2915.1

Part No	Size	A (in)	L (in)
	1 2		
78077	3/4" x 1/2"	1.42	2.17
78082	1" x 1/2"	1.69	2.44
78087	1" x 3/4"	1.42	2.32
22333	1 1/4" x 1/2"	1.89	2.64
78092	1 1/4" x 3/4"	1.85	2.76
78097	1 1/4" x 1"	1.58	2.48
14543	1 1/2" x 3/4"	2.56	3.47
78102	1 1/2" x 1"	2.28	3.19
78107	1 1/2" x 1 1/4"	2.04	3.07
78112	2" x 1"	3.03	3.94
78117	2" x 1 1/4"	2.79	3.82
78122	2" x 1 1/2"	2.63	4.06

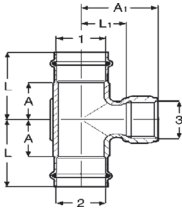


Bronze Tee P x FPT x P - Model 2917.4

Part No	Size	Z1 (in)	Z2 (in)	Z3 (in)	L1 (in)	L2 (in)	L3 (in)
	1 2 3						
77583	1/2" x 1/2" FPT x 1/2"	0.75	0.96	0.75	1.50	1.50	1.50
77593	3/4" x 1/2" FPT x 3/4"	0.95	0.96	0.95	1.85	1.50	1.85
77588	3/4" x 3/4" FPT x 3/4"	0.95	1.14	0.95	1.85	1.69	1.85
77598	1" x 3/4" FPT x 1"	1.14	1.22	1.14	2.05	1.77	2.05
77603	1 1/4" x 3/4" FPT x 1 1/4"	1.26	1.34	1.26	2.28	1.89	2.28
77608	1 1/2" x 3/4" FPT x 1 1/2"	1.34	1.49	1.34	2.76	2.05	2.76
77613	2" x 3/4" FPT x 2"	1.69	1.69	1.69	3.27	2.24	3.27

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze Tee P x P x FPT - Model 2917.2ZL

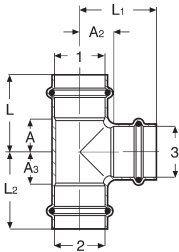
Part No	Size			A (in)	A1 (in)	L (in)	L1 (in)
	1	2	3				
79580	1/2"	1/2"	1/2" FPT	0.79	1.30	1.61	0.69
79585	3/4"	3/4"	1/4" FPT	0.67	1.18	1.58	0.71
79590	3/4"	3/4"	3/4" FPT	0.79	1.42	1.69	0.88
79595	3/4"	3/4"	3/4" FPT	0.91	1.46	1.81	0.80
79760	1"	1"	1/2" FPT	0.79	1.58	1.69	1.04
79765	1"	1"	3/4" FPT	0.91	1.61	1.81	1.06
79770	1 1/4"	1 1/4"	1/2" FPT	0.83	1.69	1.85	1.16
79775	1 1/4"	1 1/4"	3/4" FPT	0.95	1.73	1.97	1.18
79780	1 1/2"	1 1/2"	1/2" FPT	0.87	1.77	2.28	1.24
79785	1 1/2"	1 1/2"	3/4" FPT	0.95	1.85	2.36	1.30
79790	2"	2"	1/2" FPT	0.98	2.13	2.56	1.59
79795	2"	2"	3/4" FPT	1.06	2.21	2.64	1.65

Bronze Tee P x P x FPT - Model 2917.2

Part No	Size			A (in)	A1 (in)	L (in)	L1 (in)
	1	2	3				
77582	1/2"	1/2"	1/2" FPT	0.95	1.34	1.69	0.80
14563	3/4"	3/4"	1/4" FPT	0.77	1.38	1.67	0.93
77587	3/4"	3/4"	1/2" FPT	1.00	1.67	1.91	1.14
77589	3/4"	3/4"	3/4" FPT	0.98	1.42	1.89	0.85
77592	1"	1"	1/2" FPT	1.00	1.77	1.91	1.24
15623	1"	1"	3/4" FPT	1.16	1.97	2.07	1.41
77597	1 1/4"	1 1/4"	1/2" FPT	0.89	1.93	1.91	1.39
15618	1 1/4"	1 1/4"	3/4" FPT	0.95	2.09	1.97	1.53
78342	1 1/2"	1 1/2"	1/2" FPT	0.75	1.97	2.17	1.43
15613	1 1/2"	1 1/2"	3/4" FPT	0.88	2.09	2.30	1.53
77602	2"	2"	1/2" FPT	0.98	2.17	2.56	1.63
14558	2"	2"	3/4" FPT	1.08	2.36	2.66	1.74

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



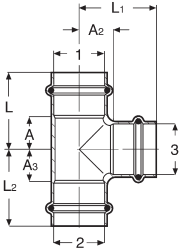
Copper Tee P x P x P - Model 2918

Part No	Size			A (in)	A2 (in)	A3 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
77377	1/2"			0.75	0.50	0.75	1.50	1.25	1.50
77382	1/2" x 1/2" x 3/4"			0.91	0.59	0.91	1.65	1.50	1.65
15493	1/2" x 1/2" x 1"			1.10	0.55	1.10	1.85	1.46	1.85
77387	3/4"			0.85	0.59	0.85	1.75	1.50	1.75
77392	3/4" x 1/2" x 1/2"			0.69	0.63	0.98	1.59	1.38	1.73
77397	3/4" x 1/2" x 3/4"			0.85	0.59	1.14	1.75	1.50	1.89
77402	3/4" x 3/4" x 1/2"			0.69	0.63	0.69	1.59	1.38	1.59
77407	3/4" x 3/4" x 1"			0.97	0.63	0.97	1.87	1.54	1.87
77412	1"			0.97	0.79	0.97	1.87	1.69	1.87
22263	1" x 1/2" x 3/4"			0.85	0.75	1.24	1.76	1.66	1.99
94767	1" x 1/2" x 1"			0.97	0.79	1.52	1.87	1.69	2.26
77417	1" x 3/4" x 1/2"			0.69	0.79	0.89	1.59	1.54	1.79
77422	1" x 3/4" x 3/4"			0.85	0.75	1.04	1.75	1.65	1.95
77427	1" x 3/4" x 1"			0.97	0.78	1.18	1.87	1.69	2.07
77432	1" x 1" x 1/2"			0.69	0.79	0.69	1.59	1.54	1.59
77437	1" x 1" x 3/4"			0.85	0.75	0.85	1.75	1.65	1.75
15488	1" x 1" x 1 1/4"			1.16	0.84	1.16	2.07	1.87	2.07
77442	1 1/4"			1.02	0.86	1.02	2.05	1.89	2.05
22253	1 1/4" x 1/2" x 1 1/4"			1.02	0.87	1.77	2.05	1.89	2.52
22243	1 1/4" x 3/4" x 1/2"			0.64	0.93	1.13	1.68	1.68	2.03
22258	1 1/4" x 3/4" x 3/4"			0.76	0.87	1.30	1.80	1.78	2.21
22268	1 1/4" x 3/4" x 1"			0.88	0.91	1.40	1.91	1.82	2.31
22248	1 1/4" x 3/4" x 1 1/4"			1.02	0.86	1.54	2.05	1.89	2.45
22238	1 1/4" x 1" x 1/2"			0.64	0.93	0.91	1.68	1.68	1.82
94762	1 1/4" x 1" x 3/4"			0.76	0.87	1.14	1.79	1.77	2.05
14568	1 1/4" x 1" x 1"			0.88	0.91	1.28	1.91	1.81	2.19
94757	1 1/4" x 1 1/4" x 1/2"			0.65	0.93	0.65	1.67	1.67	1.67
77452	1 1/4" x 1 1/4" x 3/4"			0.77	0.89	0.77	1.79	1.77	1.79
77447	1 1/4" x 1 1/4" x 1"			0.88	0.90	0.88	1.91	1.81	1.91
77457	1 1/2"			1.13	1.13	1.13	2.56	2.56	2.56
79660	1 1/2" x 1" x 3/4"			0.67	1.16	1.39	2.17	2.05	2.44
15458	1 1/2" x 1" x 1"			0.74	1.06	1.54	2.17	1.97	2.44
15463	1 1/2" x 1" x 1 1/2"			1.13	1.13	1.83	2.56	2.56	2.74
22233	1 1/2" x 1 1/4" x 3/4"			0.67	1.15	1.08	2.09	2.05	2.11
15453	1 1/2" x 1 1/4" x 1"			0.74	1.18	1.29	2.17	2.09	2.32
15483	1 1/2" x 1 1/4" x 1 1/4"			0.86	1.13	1.33	2.28	2.17	2.36
15448	1 1/2" x 1 1/2" x 1/2"			0.47	1.10	0.47	1.89	1.85	1.89

Viega ProPress 1/2" to 2"

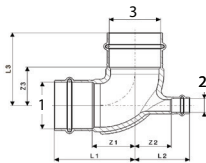
Dimensional documentation (inches)

Continued from previous page



Copper Tee P x P x P - Model 2918

Part No	Size			A (in)	A2 (in)	A3 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
77462	1 1/2"	1 1/2"	x 3/4"	0.66	1.14	0.66	2.09	2.05	2.09
77467	1 1/2"	x 1 1/2"	x 1"	0.74	1.18	0.74	2.17	2.09	2.17
77472	1 1/2"	x 1 1/2"	x 1 1/4"	0.86	1.13	0.86	2.28	2.17	2.28
77477	2"			1.37	1.37	1.37	2.95	2.95	2.95
15518	2"	x 1 1/4"	x 1 1/4"	0.94	1.33	1.84	2.52	2.36	2.87
15513	2"	x 1 1/2"	x 3/4"	0.70	1.38	1.25	2.28	2.28	2.68
15498	2"	x 1 1/2"	x 1"	0.82	1.38	1.45	2.40	2.28	2.87
15508	2"	x 1 1/2"	x 1 1/4"	0.94	1.49	1.55	2.52	2.52	2.97
15503	2"	x 1 1/2"	x 1 1/2"	1.13	1.37	1.65	2.72	2.80	3.07
22228	2"	x 1 1/2"	x 2"	1.38	1.38	1.89	2.95	2.95	3.33
15538	2"	x 2"	x 1/2"	0.54	1.30	0.54	2.13	2.05	2.13
94777	2"	x 2"	x 3/4"	0.79	1.26	0.79	2.37	2.17	2.37
94772	2"	x 2"	x 1"	0.91	1.30	0.91	2.49	2.21	2.49
77487	2"	x 2"	x 1 1/4"	1.04	1.37	1.04	2.62	2.40	2.62
77482	2"	x 2"	x 1 1/2"	1.13	1.37	1.13	2.72	2.80	2.72

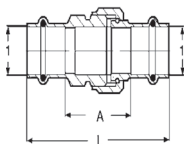


Bronze Tee P x P x P - Model 2918.4

Part No	Size			Z1 (in)	Z2 (in)	Z3 (in)	L1 (in)	L2 (in)	L3 (in)
	1	2	3						
15533	2"	x 1/2"	x 2"	1.77	1.52	1.77	3.35	2.28	3.35
15523	2"	x 1"	x 1"	1.22	1.73	1.73	2.80	2.64	2.64

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



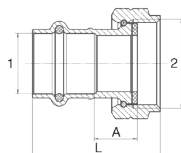
Bronze Union P x P - Model 2960ZL

Part No	Size	A (in)	L (in)
	1		
79125	1/2"	1.19	2.84
79130	3/4"	1.34	3.15
79135	1"	1.83	3.64
79140	1 1/4"	1.63	3.68
79145	1 1/2"	2.13	4.96
79150	2"	2.07	5.22

Bronze Union P x P - Model 2960

Part No	Size	A (in)	L (in)
	1		
77667	1/2"	1.27	2.76
77672	3/4"	1.34	3.15
77677	1"	1.83	3.64
77682	1 1/4"	1.63	3.68
77687	1 1/2"	2.13	4.96
77692	2"	2.07	5.22

Bronze Tailpiece Adapter P x F Union Model 2957ZL



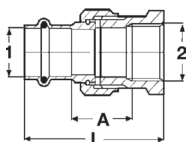
Part No	Size	A (in)	L (in)
	1 2		
79800	1/2" x 1" BSP	0.34	1.58
79805	3/4" x 1" BSP	0.57	1.87
79810	1" x 1" BSP	0.84	2.14
79815	1" x 1 1/4" BSP	0.66	2.04

Bronze Tailpiece Adapter P x F Union Model 2957

Part No	Size	A (in)	L (in)
	1 2		
77753	1/2" x 1" BSP	0.39	1.50
77758	3/4" x 1" BSP	0.63	1.87
77763	1" x 1" BSP	0.81	2.05
77764	1" x 1 1/4" BSP	0.73	2.05
12800	1" x 1 1/2" BSP	0.65	2.00

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)

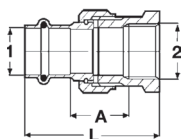


Bronze Union P x FPT - Model 2962ZL

Part No	Size		A (in)	L (in)
	1	2		
79700	1/2"	1/2" FPT	0.98	2.35
79705	3/4"	3/4" FPT	0.96	2.42
79710	1"	1" FPT	1.30	2.87
79715	1 1/4"	1 1/4" FPT	1.27	2.97
79720	1 1/2"	1 1/2" FPT	1.76	3.86
79725	2"	2" FPT	1.65	3.92

Bronze Union P x FPT - Model 2962

Part No	Size		A (in)	L (in)
	1	2		
77752	1/2"	1/2" FPT	0.99	2.27
77757	3/4"	3/4" FPT	0.96	2.42
77762	1"	1" FPT	1.30	2.87
77767	1 1/4"	1 1/4" FPT	1.27	2.97
77772	1 1/2"	1 1/2" FPT	1.59	3.86
77777	2"	2" FPT	1.65	3.92



Bronze Di-electric Union P x FPT - Model 2967ZL

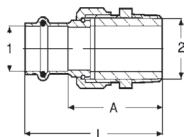
Part No	Size		A (in)	L (in)
	1	2		
79155	1/2"	1/2" FPT	0.88	2.24
79160	3/4"	3/4" FPT	1.11	2.57
79165	1"	1" FPT	1.00	2.57
79170	1 1/4"	1 1/4" FPT	0.97	2.68
79175	1 1/2"	1 1/2" FPT	1.01	3.11
79180	2"	2" FPT	1.26	3.53

Bronze Di-electric Union P x FPT - Model 2967

Part No	Size		A (in)	L (in)
	1	2		
15558	1/2"	1/2" FPT	0.96	2.24
15568	3/4"	3/4" FPT	1.11	2.57
15553	1"	1" FPT	1.00	2.57
15548	1 1/4"	1 1/4" FPT	0.97	2.68
15543	1 1/2"	1 1/2" FPT	1.00	3.10
15563	2"	2" FPT	1.26	3.53

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



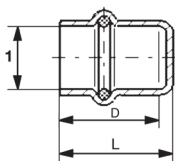
Bronze Union P x MPT - Model 2965ZL

Part No	Size		A (in)	L (in)
	1	2		
79730	1/2" x 1/2" MPT		1.94	2.76
79735	3/4" x 3/4" MPT		2.00	2.90
79740	1" x 1" MPT		2.54	3.45
79745	1 1/4" x 1 1/4" MPT		2.49	3.52
79750	1 1/2" x 1 1/2" MPT		3.05	4.47
79755	2" x 2" MPT		2.99	4.57

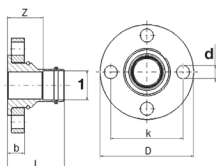
Bronze Union P x MPT - Model 2965

Part No	Size		A (in)	L (in)
	1	2		
77782	1/2" x 1/2" MPT		2.09	2.84
77787	3/4" x 3/4" MPT		2.14	3.05
77792	1" x 1" MPT		2.73	3.64
77797	1 1/4" x 1 1/4" MPT		2.68	3.70
77802	1 1/2" x 1 1/2" MPT		3.23	4.65
77807	2" x 2" MPT		3.17	4.74

Copper Cap P - Model 2956



Part No	Size	L (in)	D (in)
	1		
77712	1/2"	0.92	0.79
77717	3/4"	1.07	0.94
77722	1"	1.11	0.99
77727	1 1/4"	1.32	1.20
77732	1 1/2"	1.62	1.49
77737	2"	1.69	1.81

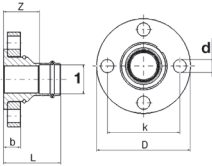


Bronze Adapter Flange P x Flange - Model 2959.5ZL

Part No	Size	L (in)	Z (in)	b (in)	D (in)	k (in)	d (in)
	1						
79680	1"	2.77	1.85	0.63	4.33	3.11	0.63
79685	1 1/4"	2.76	1.73	0.63	4.53	3.50	0.63
79690	1 1/2"	3.07	1.65	0.63	4.92	3.86	0.63
79695	2"	3.66	2.09	0.63	5.91	4.76	0.75

Viega ProPress 1/2" to 2"

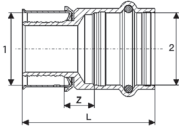
Dimensional documentation (inches)



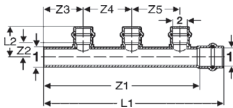
Bronze Adapter Flange P x Flange - Model 2959.5

Part No	Size	L (in)	Z (in)	b (in)	D (in)	k (in)	d (in)
	1						
19708	1"	2.76	1.85	0.63	4.33	3.11	0.63
19713	1 1/4"	2.76	1.73	0.63	4.53	3.50	0.63
19718	1 1/2"	3.07	1.65	0.63	4.92	3.86	0.63
19723	2"	3.66	2.09	0.63	5.91	4.76	0.75

Bronze PEX Press Adapter PEX x P Model 2831PZL



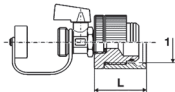
Part No	Size		Z (in)	L (in)
	1	2		
99620	1/2"	1/2"	0.29	1.61
99626	1/2"	3/4"	0.43	1.83
99630	3/4"	1/2"	0.23	1.56
99640	3/4"	3/4"	0.33	1.73
99660	1"	1"	0.45	1.97
99670	1 1/4"	1 1/4"	0.49	2.38
99680	1 1/2"	1 1/2"	0.59	2.87
99690	2"	2"	0.58	3.21



Copper ProPress Manifold 3-Outlet (open) P x FTG x P - Model 2945

Part No	Size	L1 (in)	L2 (in)	Z1 (in)	Z2 (in)	Z3 (in)	Z4 (in)	Z5 (in)
	1 2							
65803	1" x 1/2"	7.32	1.51	6.38	0.77	1.65	1.97	1.97

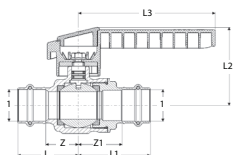
Bronze Pressure Test Plug - Model 2969



Part No	Size	L (in)
	1	
78202	1/2"	1.64
78207	3/4"	1.65

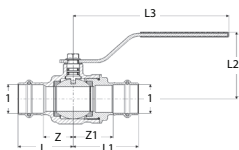
Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze ProPress Ball Valve Plastic Handle P x P - Model 2970

Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1						
19678	1/2"	0.82	1.03	1.57	1.78	2.54	3.86
19683	3/4"	0.87	1.14	1.77	2.05	2.61	3.86
19688	1"	1.06	1.42	1.97	2.33	2.80	4.43
19693	1 1/4"	1.19	1.45	2.22	2.47	3.21	4.43
19698	1 1/2"	1.39	1.39	2.81	2.80	3.34	4.70
19703	2"	1.77	1.84	3.35	3.41	3.66	4.70



Bronze ProPress Ball Valve Metal Handle P x P - Model 2970.1ZL

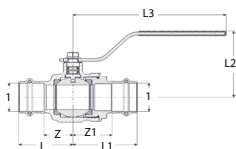
Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1						
79095	1/2"	0.79	0.95	1.61	1.77	2.45	5.55
79100	3/4"	0.95	1.14	1.85	2.05	2.51	5.55
79105	1"	1.06	1.42	1.97	2.33	2.65	5.55
79110	1 1/4"	1.26	1.45	2.28	2.47	3.10	6.10
79115	1 1/2"	1.50	1.39	2.91	2.80	3.34	6.10
79120	2"	1.77	1.83	3.35	3.40	3.66	6.10

Bronze ProPress Ball Valve Metal Handle P x P - Model 2970.1

Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1						
22053	1/2"	0.83	1.02	1.58	1.77	2.44	5.55
22058	3/4"	0.87	1.14	1.77	2.05	2.52	5.55
22063	1"	1.06	1.42	1.97	2.33	2.68	5.55
22068	1 1/4"	1.19	1.45	2.22	2.47	3.09	6.10
22073	1 1/2"	1.39	1.39	2.81	2.80	3.34	6.10
22078	2"	1.77	1.83	3.35	3.41	3.65	6.10

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)



Bronze ProPress Ball Valve Stainless Trim P x P - Model 2970.3ZL

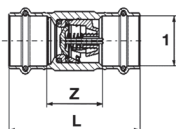
Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1						
79820	1/2"	0.79	0.95	1.61	1.77	2.45	5.55
79825	3/4"	0.95	1.14	1.85	2.05	2.51	5.55
79830	1"	1.06	1.42	1.97	2.33	2.65	5.55
79835	1 1/4"	1.26	1.45	2.28	2.47	3.09	6.10
79840	1 1/2"	1.50	1.39	2.91	2.80	3.34	6.10
79845	2"	1.77	1.83	3.35	3.41	3.66	6.10

Bronze ProPress Ball Valve Stainless Trim P x P - Model 2970.3

Part No	Size	Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1						
22054	1/2"	0.83	1.02	1.58	1.77	2.45	5.55
22059	3/4"	0.87	1.14	1.77	2.05	2.54	5.55
22064	1"	1.06	1.42	1.97	2.33	2.68	5.55
22069	1 1/4"	1.19	1.45	2.22	2.47	3.11	6.10
22077	1 1/2"	1.39	1.39	2.81	2.80	3.34	6.10
22080	2"	1.77	1.84	3.35	3.41	3.66	6.10

Viega ProPress 1/2" to 2"

Dimensional documentation (inches)

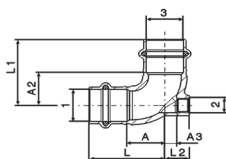


Bronze Check Valve P x P - Model 2974ZL

Part No	Size	Z (in)	L (in)
	1		
79035	1/2"	0.87	2.52
79040	3/4"	1.14	2.95
79045	1"	1.34	3.15
79050	1 1/4"	1.69	3.74
79055	1 1/2"	2.09	4.92
79060	2"	2.56	5.71

Bronze Check Valve P x P - Model 2974

Part No	Size	Z (in)	L (in)
	1		
22353	1/2"	0.87	2.36
22358	3/4"	1.14	2.95
22363	1"	1.34	3.15
22368	1 1/4"	1.68	3.74
22373	1 1/2"	2.06	4.92
22378	2"	2.56	5.71



Bronze Vent Tee P x FPT x P - Model 2917.3ZL

Part No	Size			A (in)	A2 (in)	A3 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
79635	1/2"	1/8" FPT	1/2"	0.67	0.67	0.44	1.50	1.50	0.71
79640	3/4"	1/8" FPT	3/4"	0.83	0.83	0.54	1.73	1.73	0.81

Bronze Vent Tee P x FPT x P - Model 2917.3

Part No	Size			A (in)	A2 (in)	A3 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
14573	1/2"	1/8" FPT	1/2"	0.75	0.75	0.32	1.50	1.50	0.59
14578	3/4"	1/8" FPT	3/4"	0.91	0.91	0.32	1.81	1.81	0.59

Viega ProPress XL (Copper)

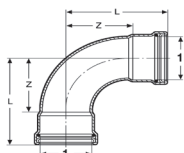
2½" to 4" fittings

Dimensional documentation



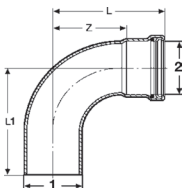
Viega ProPress XL (Copper) 2½" to 4"

Dimensional documentation (inches)



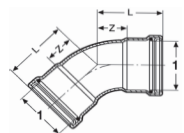
Elbow 90° P x P (Copper) - Model 0916XL

Part No	Size	Z (in)	L (in)
	1		
20623	2½"	3.19	4.88
20628	3"	3.76	5.73
20633	4"	4.90	7.25



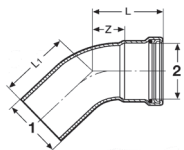
90° Elbow FTG x P (Copper) - Model 0916.1XL

Part No	Size	Z (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
20548	4" x 4"	4.90	7.26	7.13



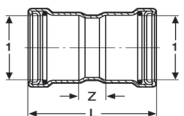
Elbow 45° P x P (Copper) - Model 0926XL

Part No	Size	Z (in)	L (in)	L1 (in)
	1			
20653	2½"	1.48	3.18	3.10
20658	3"	1.73	3.70	3.60
20663	4"	1.96	4.63	4.49



Elbow 45° FTG x P (Copper) - Model 0926.1XL

Part No	Size	Z (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"	2.20	4.57	4.49

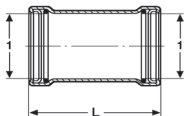


Coupling P x P with Stop (Copper) - Model 0915XL

Part No	Size	Z (in)	L (in)
	1		
20728	2½"	0.95	4.33
20733	3"	0.98	4.92
20738	4"	1.06	5.79

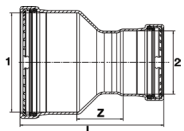
Viega ProPress XL (Copper) 2½" to 4"

Dimensional documentation (inches)



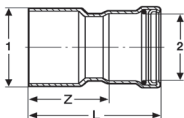
Coupling P x P No Stop (Copper) - Model 0915.5XL

Part No	Size	L (in)
	1	
91477	2½"	4.528
91482	3"	4.528
91487	4"	5.315



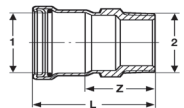
Reducer P x P (Copper) - Model 0915.2XL

Part No	Size	Z (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



Reducer FTG x P (Copper) - Model 0915.1XL

Part No	Size	Z (in)	L (in)
	1 2		
20814	2½" x 1"	3.61	4.52
20815	2½" x 1¼"	3.47	4.49
20813	2½" x 1½"	3.41	4.84
20758	2½" x 2"	2.28	3.86
20817	3" x 1¼"	3.98	5.00
20818	3" x 1½"	3.91	5.34
20763	3" x 2"	3.02	4.61
20768	3" x 2½"	2.56	4.25
20773	4" x 2"	4.57	6.18
20778	4" x 2½"	4.34	6.15
20783	4" x 3"	4.17	6.14



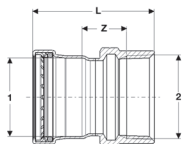
Adapter P x MPT (Copper) - Model 0911XL

Part No	Size	Z (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	3.13	5.49

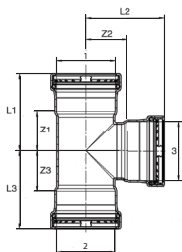
Viega ProPress XL (Copper) 2½" to 4"

Dimensional documentation (inches)

Adapter P x FPT (Copper) - Model 0912XL



Part No	Size		Z (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



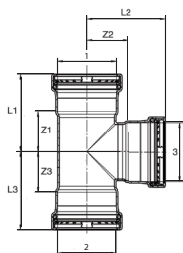
Tee P x P x P (Copper) - Model 0918XL

Part No	Size			Z1 (in)	Z2 (in)	Z3 (in)	L1 (in)	L2 (in)	L3 (in)
	1	2	3						
20684	2½" x ¾" x 2½"			1.83	1.87	3.23	3.52	3.56	4.13
20689	2½" x 1" x 2½"			1.83	1.87	3.25	3.52	3.56	4.15
20694	2½" x 1¼" x 2½"			1.83	1.87	3.20	3.52	3.56	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	1.92	2.99	3.21	3.50
22278	2½" x 2" x 2"			1.50	1.78	2.27	3.19	3.36	3.85
20714	2½" x 2" x 2½"			1.83	1.91	2.41	3.52	3.60	4.00
22298	2½" x 2½" x ¾"			0.91	1.58	0.91	2.60	2.48	2.60
22303	2½" x 2½" x ½"			0.91	1.52	0.91	2.60	2.27	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	1.87	1.83	3.52	3.57	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	2.00	2.34	3.52	3.59	3.92
20734	3" x 2" x 2½"			1.85	2.13	2.63	3.82	3.82	4.21
20739	3" x 2" x 3"			2.07	2.15	2.85	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	2.36	3.82	3.85	4.06
20754	3" x 2½" x 3"			2.07	2.15	2.58	4.04	4.11	4.27

Viega ProPress XL (Copper) 2½" to 4"

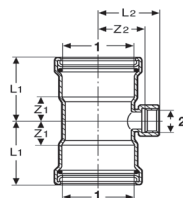
Dimensional documentation (inches)

Continued from previous page



Tee P x P x P (Copper) - Model 0918XL

Part No	Size	Z1 (in)	Z2 (in)	Z3 (in)	L1 (in)	L2 (in)	L3 (in)
	1 2 3						
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	1.86	0.93	2.89	2.77	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
20774	4" x 3" x 2"	1.59	2.57	3.33	3.96	4.15	5.30
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	3.86	4.11	3.85
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	2.75	2.60	4.96	5.11	4.96

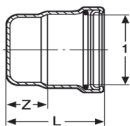


Tee P x P x FPT (Copper) - Model 0917.2XL

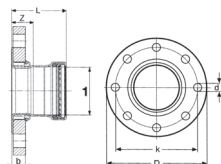
Part No	Size	Z1 (in)	Z2 (in)	L1 (in)	L2 (in)
	1 2				
20883	2½" x ¾" FPT	1.02	1.78	2.72	2.34
20878	2½" x 2" FPT	1.54	1.90	3.23	2.60
20893	3" x ¾" FPT	1.04	2.03	3.01	2.59
20888	3" x 2" FPT	1.56	2.16	3.52	2.85
20873	4" x ¾" FPT	1.08	2.53	3.34	3.09
20868	4" x 2" FPT	1.59	2.69	3.96	3.38

Viega ProPress XL (Copper) 2½" to 4"

Cap P (Copper) - Model 0956XL



Part No	Size	Z (in)	L (in)
	1		
20833	2½"	0.39	2.09
20843	3"	0.39	2.36
20848	4"	0.39	2.76

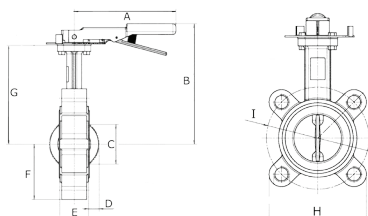


Adapter Flange P x Flange (Copper/Steel) - Model 0959.5XL

Part No	Size	Z (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
20863	4"	1.29	3.66	0.86	7.52	9.06	0.75

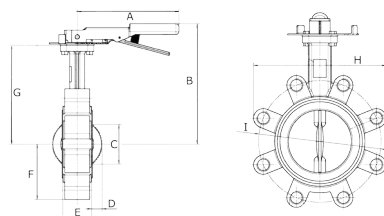
Viega ProPress XL (Copper) 2½" to 4"

Dimensional documentation (inches)



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 ProPressG

1/2" to 2" fittings

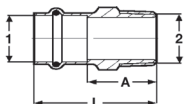
Dimensional documentation



Viega ProPressG 1/2" to 2"

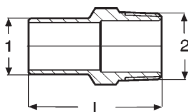
Dimensional documentation (inches)

Bronze Adapter P x MPT - Model 0611



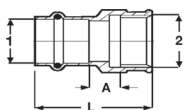
Part No	Size	A (in)	L (in)
	1 2		
16043	1/2" x 3/8" MPT	0.97	1.71
16048	1/2" x 1/2" MPT	1.12	1.87
16053	3/4" x 3/4" MPT	1.18	2.09
16058	1" x 1" MPT	1.46	2.36
16063	1 1/4" x 1 1/4" MPT	1.54	2.56
16068	1 1/2" x 1 1/2" MPT	1.54	2.95
16073	2" x 2" MPT	1.67	3.25

Bronze Adapter FTG x MPT - Model 0611.1



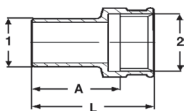
Part No	Size	L (in)
	1 2	
23203	1/2" x 1/2" MPT	1.97
23208	3/4" x 3/4" MPT	2.15
23218	1" x 1" MPT	2.36
23223	1 1/4" x 1 1/4" MPT	2.66
23228	1 1/2" x 1 1/2" MPT	3.05
23233	2" x 2" MPT	3.54

Bronze Adapter P x FPT - Model 0612



Part No	Size	A (in)	L (in)
	1 2		
23373	1/2" x 3/8" FPT	0.22	1.38
16078	1/2" x 1/2" FPT	0.29	1.58
16088	3/4" x 3/4" FPT	0.39	1.85
16093	1" x 1" FPT	0.48	2.05
23358	1 1/4" x 1 1/4" FPT	0.38	2.09
23363	1 1/2" x 1 1/2" FPT	0.39	2.48
23368	2" x 2" FPT	0.45	2.72

Bronze Adapter FTG x FPT - Model 0612.1

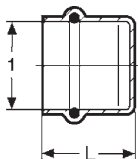


Part No	Size	A (in)	L (in)
	1 2		
23238	1/2" x 1/2" FPT	1.12	1.65
23243	3/4" x 3/4" FPT	1.26	1.81
23253	1" x 1" FPT	1.31	1.97
23258	1 1/4" x 1 1/4" FPT	1.48	2.17
23263	1 1/2" x 1 1/2" FPT	1.88	2.56
23268	2" x 2" FPT	2.34	3.03

Viega ProPressG 1/2" to 2"

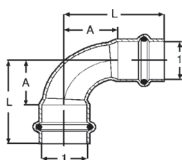
Dimensional documentation (inches)

Copper Cap x P - Model 0656



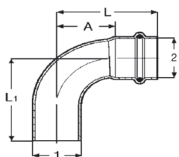
Part No	Size	L (in)
	1	
16313	1/2"	0.92
16318	3/4"	1.07
16323	1"	1.11
16328	1 1/4"	1.32
16333	1 1/2"	1.62
16338	2"	1.81

Copper Elbow 90° P x P - Model 0616



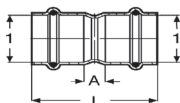
Part No	Size	A (in)	L (in)
	1		
16128	1/2"	0.75	1.50
16133	3/4"	1.04	1.95
16138	1"	1.32	2.23
16143	1 1/4"	1.65	2.68
16148	1 1/2"	1.98	3.40
16153	2"	2.55	4.13

Copper Elbow 90° FTG x P - Model 0616.1



Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
16158	1/2" x 1/2"	0.75	1.50	1.54
16163	3/4" x 3/4"	1.04	1.95	1.98
16168	1" x 1"	1.32	2.23	2.27
16173	1 1/4" x 1 1/4"	1.65	2.68	2.76
16178	1 1/2" x 1 1/2"	1.98	3.40	3.48
16183	2" x 2"	2.55	4.13	4.21

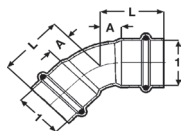
Copper Coupling P x P with Stop - Model 0615



Part No	Size	A (in)	L (in)
	1		
16098	1/2"	0.12	1.61
16103	3/4"	0.20	2.01
16108	1"	0.16	1.97
16113	1 1/4"	0.14	2.21
16118	1 1/2"	0.14	2.99
16123	2"	0.14	3.31

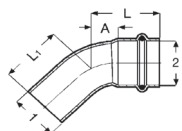
Viega ProPressG 1/2" to 2"

Dimensional documentation (inches)



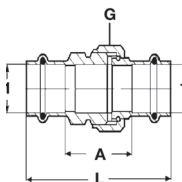
Copper Elbow 45° P x P - Model 0626

Part No	Size	A (in)	L (in)
	1		
16188	1/2"	0.30	1.04
16193	3/4"	0.43	1.34
16198	1"	0.55	1.46
16203	1 1/4"	0.69	1.71
16208	1 1/2"	0.83	2.24
16213	2"	1.06	2.64



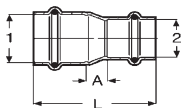
Copper Elbow 45° FTG x P - Model 0626.1

Part No	Size	A (in)	L (in)	L1 (in)
	1 2			
16218	1/2" x 1/2"	0.32	1.06	1.10
16223	3/4" x 3/4"	0.43	1.34	1.37
16228	1" x 1"	0.55	1.46	1.50
16233	1 1/4" x 1 1/4"	0.69	1.71	1.79
16238	1 1/2" x 1 1/2"	0.83	2.24	2.32
16243	2" x 2"	1.06	2.64	2.72



Bronze Union P x P - Model 0650

Part No	Size	A (in)	L (in)	G (in)
	1			
17598	1/2"	1.26	2.76	3/4"
17603	3/4"	1.34	3.15	1"
17608	1"	1.83	3.64	1 1/4"
17613	1 1/4"	1.63	3.68	1 1/2"
17618	1 1/2"	2.13	4.96	2"
17623	2"	2.07	5.22	2 1/2"

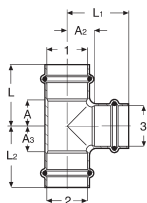


Copper Reducer P x P - Model 0615.2

Part No	Size	A (in)	L (in)
	1 2		
23273	3/4" x 1/2"	0.45	2.07
23278	1" x 1/2"	0.74	2.36
23283	1" x 3/4"	0.50	2.29
23293	1 1/4" x 3/4"	0.73	2.64
23288	1 1/4" x 1"	0.58	2.48
23303	1 1/2" x 1"	0.77	3.07
23298	1 1/2" x 1 1/4"	0.53	2.96
23308	2" x 1"	1.32	3.78
23313	2" x 1 1/2"	0.77	3.75

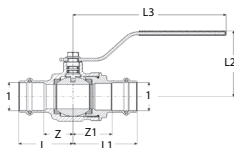
Viega ProPressG 1/2" to 2"

Dimensional documentation (inches)



Copper Tee P x P x P - Model 0618

Part No	Size			A (in)	A2 (in)	A3 (in)	L (in)	L1 (in)	L2 (in)
	1	2	3						
16248	1/2"			0.74	0.50	0.74	1.50	1.24	1.50
16253	3/4"			0.84	0.59	0.84	1.75	1.50	1.75
16258	3/4" x 3/4" x 1/2"			0.69	0.63	0.69	1.59	1.38	1.59
16263	1"			0.71	0.79	0.71	1.87	1.69	1.87
23333	1" x 3/4" x 1/2"			0.69	0.79	0.89	1.59	1.54	1.79
17688	1" x 1" x 1/2"			0.69	0.79	0.69	1.59	1.54	1.95
16268	1" x 3/4" x 3/4"			0.84	0.75	1.04	1.75	1.65	1.95
16273	1" x 1" x 3/4"			0.84	0.75	0.84	1.75	1.65	1.75
16278	1 1/4"			1.02	0.87	1.02	2.05	1.89	2.05
16283	1 1/4" x 1 1/4" x 1"			0.89	0.91	0.89	1.91	1.81	1.91
16288	1 1/2"			1.14	1.14	1.14	2.56	2.56	2.56
23348	1/2" x 1 1/2" x 3/4"			0.67	1.14	0.67	2.05	2.09	2.09
16293	1 1/2" x 1 1/2" x 1"			0.75	1.18	0.75	2.17	2.09	2.17
16298	1 1/2" x 1 1/2" x 1 1/4"			0.87	1.14	0.87	2.28	2.17	2.28
16303	2"			1.38	1.38	1.38	2.95	2.95	2.95
23353	2" x 2" x 3/4"			0.80	1.26	0.80	2.37	2.17	2.37
16308	2" x 2" x 1 1/2"			1.14	1.38	1.14	2.72	2.80	2.72



ProPress Gas Ball Valve - Model 0670

Part No	Size			Z (in)	Z1 (in)	L (in)	L1 (in)	L2 (in)	L3 (in)
	1	2	3						
19648	1/2"			0.83	1.02	1.58	1.77	1.34	4.76
19653	3/4"			0.87	1.14	1.77	2.05	1.42	4.76
19658	1"			1.06	1.42	1.97	2.32	1.56	4.76
19663	1 1/4"			0.94	1.50	1.97	2.53	1.91	6.10
19668	1 1/2"			1.28	1.43	2.70	2.84	2.20	6.10
19673	2"			1.36	1.75	3.13	3.32	2.45	6.10

Viega ProPress Systems

Viega LLC 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 Viega 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.

ProPress Warranty 0408

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