Viega MegaPress Stainless Systems

The global leader in plumbing, heating and pipe joining systems

viega

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.

Heritage of quality, vision for the future

Viega's heritage of superiority demands nothing but the best for our customers. Engineered to be efficient, Viega products perform at the highest possible level, providing confidence and peace of mind. Viega is the only manufacturer to offer press systems in multiple pipe joining materials. More than one million Viega press fittings are installed every day around the world and, with a Supply Chain that can process orders in 48 hours or less, Viega is positioned to provide customers with the best, most versatile support in the industry.

Do more with Viega

Viega press technology is consistent and reliable, providing the same quality pipe connections every time. Viega press systems make secure press connections in less than seven seconds, which helps keep a project on time or ahead of schedule. The Viega MegaPress system helps installers accomplish more in the same amount of time.

A true innovator since 1899, Viega is at the forefront of pipe joining technology. With personalized support, efficient delivery processes and trustworthy quality, no other manufacturer can provide the same level of service. The global leader in plumbing, heating and pipe joining systems, Viega is the name you can trust.

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.***

Viega MegaPress Stainless Systems

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Save time, labor and cleanup with Viega MegaPress Stainless

Introducing the Viega MegaPress Stainless system

In the past, stainless steel piping systems have been installed by threading or welding. Both methods are labor intensive and can produce inconsistent pipe connections. Threading and welding also require the use of cumbersome, expensive equipment. Now, Viega has created a new way to join stainless steel pipe without the mess and inconvenience of traditional methods. The same press technology that revolutionized black iron pipe joining is now available for stainless steel systems.

Viega MegaPress Stainless systems can reduce installation time up to 60 percent with no need for messy cutting oils or heavy equipment. Manufactured with the patented Viega Smart Connect feature, Viega MegaPress Stainless fittings help installers easily identify unpressed connections during pressure testing. Available in multiple configurations from ½" to 2", Viega MegaPress Stainless fittings are well suited for commercial and industrial applications.

For more specific information on applications for Viega MegaPress Stainless systems, contact Viega Technical Services at 1-866-838-8714. For a list of applications, please refer to the chart on Page 13.

Viega MegaPress Stainless 304

Viega MegaPress Stainless 316

Viega MegaPress Stainless Systems

Fire protection you can count on

Viega MegaPress Stainless 304 is UL and FM certified for fire protection applications in sizes ½" to 2". As with other Viega press systems, Viega MegaPress Stainless 304 fittings can be used in pre-fabricated assemblies, producing a straight, clean installation. And with the patented Viega Smart Connect feature, installers can verify that all fittings in pre-fabbed assemblies are pressed before they are installed.

Backed by a written limited warranty and approved for NFPA 13, 13D and 13R fire sprinkler systems, Viega MegaPress Stainless 304 can be installed in industrial applications or commercial projects like hotels and dorms. With Viega's patented cold-press technology, installations in attics and tight corners are safer than with traditional joining methods. With no threading required, installers don't need to carry heavy equipment or bother with metal shavings or cutting oils.

Viega MegaPress Stainless 304 fittings provide a safe, clean, fast method for installing a fire protection system in industrial and commercial projects. Viega MegaPress Stainless fittings reduce the length of time a system must be shut down for maintenance and make new installations easy, providing security and complete peace of mind.

Proven peace of mind

Viega MegaPress Stainless offers the patented Viega Smart Connect feature, the only proven connection identification method in the industry. The Viega Smart Connect feature allows water or air to flow past the sealing element in an unpressed fitting, clearly indicating a missed connection. Since installers can easily see if all connections have been made during pressure testing, the Viega Smart Connect feature provides reliable security and peace of mind.

Unpressed

1 Identify an unpressed connection during pressure testing when water or air flows past the sealing element.

Pressing

2 Upon identification, use the press tool to press the fitting, making a secure, leak-proof connection.

Pressed

3 Viega MegaPress connections are fast, flameless and reliable.

Viega MegaPress Stainless Systems

Viega MegaPress® Stainless 304

Viega MegaPress Stainless 304 fittings are designed to be used with off-the-shelf Schedule 10 to Schedule 40 stainless steel pipe to form a complete press system that is ideal for industrial applications. MegaPress Stainless 304 fittings utilize a versatile FKM sealing element to provide a permanent, leak-free connection. A Viega MegaPress Stainless 304 system can stand up to harsh environments while transporting process water, diesel fuel, lube oil, ammonia, low-pressure steam or any number of other essential fluids or gases.

Operating Parameters

Operating Pressure:	200 PSI maximum
Test Pressure:	600 PSI maximum
Operating Temperature:	0°F to 284°F (with temperature spikes up to 356°)

Listings and Certificates

- IAPMO PS117
- ICC LC1002
- TSSA-ASME B31

Compliant with:

- Uniform Plumbing Code
- Uniform Mechanical Code
- International Plumbing Code
- International Mechanical Code
- ASME B31.1, B31.3 and B31.9

Recommended Press Tools:

- RIDGID RP 320-E
- RIDGID RP 330-B or 330-C
- RIDGID RP 340
- RIDGID CT 400

Viega MegaPress Stainless 304 fittings are offered in configurations including: elbows, couplings, reducers, tees, reducing tees, threaded adapters, unions, caps and flanges. The fittings range in sizes from ½" to 2" and have a 420 stainless steel grip ring and a 304 stainless separator ring in addition to the FKM sealing element.

In MegaPress Stainless 304 fittings, 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 operation.

Viega MegaPress Stainless 304 systems are approved for underground use. When installed underground, Viega ProPress 304 should have proper corrosion protection in accordance with local and national codes.

Contact your local Viega representative for details on local approvals.

MegaPress Stainless 304		
Application	**Temperature**	**Pressure (Max)**
Process Water (non-potable)	0°F to 250°F	200 psi
Low-Pressure Steam	248°F Max	15 psi
Industrial Gases	140°F Max	200 psi
Compressed Air	140°F Max	200 psi
Lube Oil	Ambient	200 psi
Vacuum	140°F Max	Max 29.2 in. Hg
Caustic Solutions	*See Note	*See Note
Acid Solutions	*See Note	*See Note

*Note: Temperature and pressure limits may vary with concentration of solution.

For more specific information on applications for MegaPress Stainless 304, contact Viega Technical Services at 1-800-976-9819.

IMPORTANT NOTE:
A WHITE DOT ON A VIEGA MEGAPRESS STAINLESS 304 FITTING INDICATES THE SMART CONNECT FEATURE WITH AN FKM SEALING ELEMENT. FOR A CURRENT LIST OF APPLICATIONS, PLEASE VISIT WWW.VIEGA.US/APPLICATIONS.

Viega MegaPress Stainless Systems

Viega MegaPress® Stainless 316

Viega MegaPress Stainless 316 fittings are designed to be used with off-the-shelf Schedule 10 to Schedule 40 stainless steel pipe to form a complete press system that is ideal for industrial applications. MegaPress Stainless 316 fittings utilize a versatile EPDM sealing element to provide a permanent, leak-free connection. A Viega MegaPress Stainless 316 system can stand up to harsh environments while transporting process water, potable water, ammonia, low-pressure steam or any number of other essential fluids or gases.

Operating Parameters

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

Listings and Certificates

- IAPMO PS117
- ICC LC1002
- TSSA-ASME B31
- Third party certified to NSF-61-372

Compliant with:

- Uniform Plumbing Code
- Uniform Mechanical Code
- International Plumbing Code
- International Mechanical Code
- ASME B31.1, B31.3 and B31.9

Recommended Press Tools:

- RIDGID RP 320-E
- RIDGID RP 330-B or 330-C
- RIDGID RP 340
- RIDGID CT 400

Viega MegaPress Stainless 316 fittings are offered in configurations including: elbows, couplings, reducers, tees, reducing tees, threaded adapters, unions, caps and flanges. The fittings range in sizes from ½" to 2" and have a 420 stainless steel grip ring and a 304 stainless separator ring in addition to the EPDM sealing element.

In MegaPress Stainless 316 fittings, 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 operation.

Viega MegaPress Stainless 316 systems are approved for underground use. When installed underground, Viega ProPress 316 should have proper corrosion protection in accordance with local and national codes.

Contact your local Viega representative for details on local approvals.

MegaPress Stainless 316		
Application	**Temperature**	**Pressure (Max)**
Process Water (non-potable)	0°F to 250°F	200 psi
Low-Pressure Steam	248°F Max	15 psi
Industrial Gases	140°F Max	200 psi
Potable Water	0°F to 250°F	200 psi
Lube Oil	Ambient	200 psi
Vacuum	140°F Max	Max 29.2 in. Hg
Caustic Solutions	*See Note	*See Note
Acid Solutions	*See Note	*See Note

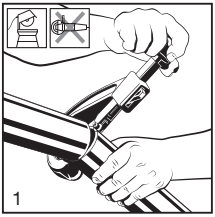
*Note: Temperature and pressure limits may vary with concentration of solution.

For more specific information on applications for MegaPress Stainless 316, contact Viega Technical Services at 1-800-976-9819.

IMPORTANT NOTE:
A GREEN DOT ON A VIEGA MEGAPRESSG STAINLESS 316 FITTING INDICATES THE SMART CONNECT FEATURE WITH AN EPDM SEALING ELEMENT. FOR A CURRENT LIST OF APPLICATIONS, PLEASE VISIT WWW.VIEGA.US/APPLICATIONS.

Viega MegaPress Stainless Systems

Product Instructions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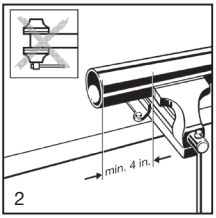

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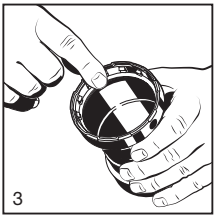
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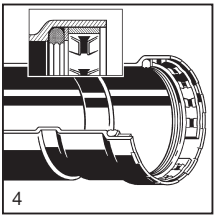
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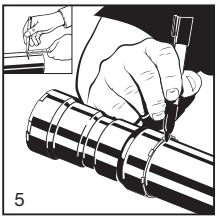
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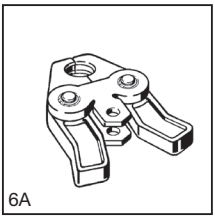
Pipe Size	Insertion Depth (in)
½"	1 1/16
¾"	1 3/16
1"	1 3/8
1¼"	1 7/8
1½"	1 7/8
2"	2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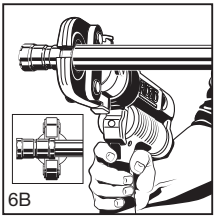
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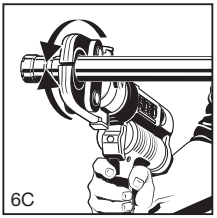
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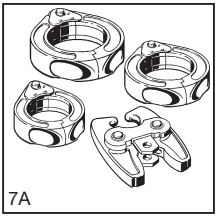
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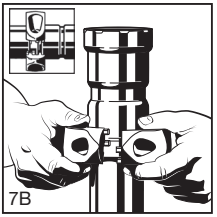
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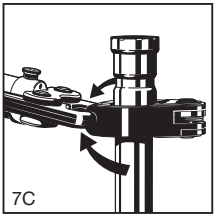
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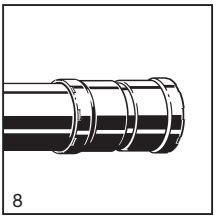
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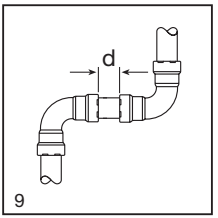

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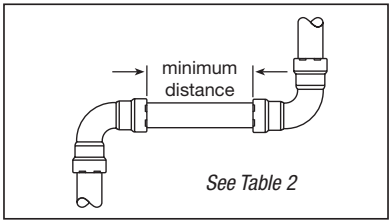
Pipe Diameter	d (in)	d (mm)
½"	3/16	5
¾"	3/16	5
1"	3/16	5
1¼"	3/8	10
1½"	3/8	10
2"	3/8	10

Pipe Size	Insertion Depth	
	in	mm
½"	1 1/16	27.2
¾"	1 3/16	29.4
1"	1 3/8	34.2
1¼"	1 13/16	46.2
1½"	1 7/8	47.5
2"	2	50

Table 1



Minimum distance between two Viega MegaPress Stainless press connections ½" to 2"		
Pipe Diameter	Minimum Distance (in)	Minimum Distance (mm)
½"	3/16	5
¾"	3/16	5
1"	3/16	5
1¼"	3/8	10
1½"	3/8	10
2"	3/8	10

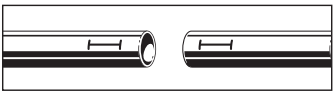
Table 2

Viega MegaPress Stainless Systems

System Installation Notes

Pipe selection
Viega MegaPress Stainless ½" to 2" fittings are compatible with ASTM A312 stainless steel.

No-stop couplings
No-stop couplings are often used to conduct repairs. Without a stop, these couplings can slide completely onto a pipe and allow a connection to be made in tighter spaces. Unlike fittings with an integrated stop that have a minimum insertion depth, no-stop couplings have minimum and maximum allowable insertion depths. Both the minimum and the maximum insertion depths must be marked with a line connecting the two marks. Drawing a line between the minimum and maximum insertion marks distinguishes a good connection on a no-stop fitting from a bad connection on a fitting with a stop.



Viega MegaPress Stainless No-Stop Couplings				
Pipe Diameter	Minimum Insertion		Maximum Insertion	
	in	mm	in	mm
½"	1 1/16"	27.2	1 5/8"	41
¾"	1 3/16"	29.4	1 13/16"	46
1"	1 3/8"	34.2	1 15/16"	49
1¼"	1 13/16"	46.2	2½"	63
1½"	1 7/8"	47.5	2¾"	70
2"	2"	50	2¾"	70

Welding requirements
The following requirements must be considered when welding in the same vicinity as Viega MegaPress Stainless fittings.

Welding adjacent to Viega MegaPress fittings
When welding adjacent to a Viega MegaPress Stainless connection, the installer must remain 4" away from the connection to prevent damage to the sealing element. The installer should take the following precautions to keep the Viega MegaPress Stainless connection cool while welding:

- Wrapping the connection with a cold, wet rag
- Protecting the connection with a weld blanket
- Fabricating weld connections prior to installing the pressed fitting, making sure the pipe has cooled before installing the fitting
- Consistently applying "spray type" spot freezing

Welding in line with Viega MegaPress Stainless fittings
When welding in line with Viega MegaPress fittings, the installer must remain a minimum of three feet away from the Viega MegaPress connection to prevent damage to the sealing element. The installer should take the following precautions to keep the Viega MegaPress Stainless connection cool while welding:

- Wrapping the connection with a cold, wet rag
- Protecting the connection with a weld blanket
- Fabricating weld connections prior to installing the pressed fitting, making sure the pipe has cooled before installing the fitting
- Consistently applying "spray type" spot freezing

General installation requirements
The Viega MegaPress Stainless fitting system must be installed while considering the following general industry requirements.

Expansion
Thermal expansion in installed systems generates stresses in pipes and appliance connectors. Compensation must be allowed for expansion and contraction that may occur within the piping system. Expansion joints or mechanical expansion compensators may be used to alleviate these stresses.

Electrical bonding
When properly installed, Viega MegaPress Stainless fittings comply with Section 1211.15, Electrical Bonding and Grounding, of the Uniform Plumbing Code and Section 310 of the International Fuel Gas Code. The mechanical press provides continuous metal-to-metal contact between fitting and pipe. The press ensures the continuity of the bonding through this contact.

Piping exposed to freezing temperatures
In the Viega MegaPress Stainless 316 system, the EPDM sealing element can be installed in ambient temperatures down to 0°F. The FKM sealing element available with Viega MegaPress Stainless 304 fittings can be installed in ambient temperatures down to 0°F. Piping systems exposed to freezing temperatures must be protected per acceptable engineering practices, codes and as required by the local authority.

Corrosion protection
Viega MegaPress Stainless fittings exposed to corrosive action, such as soil conditions or moisture, must be protected in an approved manner in accordance with NFPA 54 section 404.8, NACE Standard RP0169-2002 section 5, 2009 UPC Chapter 6 section 609.3.1, 2009 UMC Chapter 13 section 1312.1.3 and in a manner satisfactory to the local code official.
Care should be taken to select hangers of suitable material that is galvanically compatible with the piping system. In addition, piping systems should be properly sized to minimize the risk of erosion corrosion resulting from excessive velocities.

Underground installations
Viega MegaPress Stainless fitting systems and stainless pipe are approved for underground installations. However, any installations must meet all state and local codes, including those for underground.
Proper authorization must be obtained prior to underground installation from the local authority having jurisdiction.

Pressure testing
The pressure testing of installed pipe is to be completed in accordance with local codes or, in the absence of local codes, in accordance with NFPA 54 or NFPA 58.

Deflection
When pressing Viega MegaPress fittings in a system, the deformation of the fitting is constant. This allows for a consistent leak-free joint every time and is a result of the pressing technique.

The pressing process can cause deflection (angular misalignment) to occur. Deflection while pressing can be minimized by utilizing the below installation practices.

1. Alternating the position of the press tool on each fitting connection. An example would be placing the press tool at the 3 o'clock position of the first press connection and then alternating to the 9 o'clock position of the press fitting on the second connection.

2. If deflection occurs while pressing a MegaPress fitting, the deflection created in the piping connection will cause the fitting to move toward the hinge of the press jaw or ring being used. For MegaPress ½" to 1" fittings, a press jaw is used to make the press. The hinge of the press jaw is on the same side of the piping system as the press gun and operator and will therefore cause the fitting to deflect toward the press gun and operator. To help with this type of deflection, the press gun operator can slightly pull the pipe and fitting connection toward himself to create a slight bow away from the operator. As the press connection is made, the deflection will re-align the piping connection back into a straight line. For 1¼" to 2" MegaPress fittings, a press ring along with an actuator is used to make the permanent connection. When the press ring is placed on the fitting, the hinge of the press ring is away from the installer. If deflection is to occur with this type of a press, it will cause the fitting to deflect away from the press gun and operator side of the piping system. To help with this type of deflection, the press gun operator can slightly push the pipe and fitting connection away from himself to create a slight bow toward the operator. As the press connection is made, the deflection will re-align the piping connection back into a straight line. While deflection cannot be completely eliminated, it can be minimized using this method.

As long as the pipe is properly prepped and marked and the fitting is installed per MegaPress' Product Instructions, if there is any deflection present after the installation of the fitting, the connection is still acceptable and meets Viega's manufacturing specifications for proper installation and warranty. Deflection of a press connection has no effect on the integrity of the system and it can be pressure tested in accordance to MegaPress product instructions.

Identification
All Viega MegaPress Stainless piping systems should be continuously marked in accordance with ANSI A13.1 or as required by the local authority having jurisdiction.

Viega MegaPress Stainless Steel Pipe Marking Guide

Guide to the ANSI A13.1 Standard for the Identification of Pipes

Usage	Material Properties	Type of Application (typical)	Color Scheme
Hazardous Materials	• Flammable or Explosive • Chemically Active or Toxic • Radioactive • Extreme Temperature/ Pressure	• Process Piping • High-Pressure Steam • Acids/Corrosives	YELLOW ON BLACK
Low Hazard Materials (Liquid)	• Liquid • Liquid Admixture	• Cooling Water • Grey Water • Chilled Water	WHITE ON GREEN
Low Hazard Materials (Gas)	• Gas • Gas Admixture	• Compression Air • Nitrogen (N_2) • Argon (Ar)	WHITE ON BLUE
Fire Suppression	• Liquid • Gas • Foam	• Sprinklers (Wet/Dry) • CO_2 • Foam (AFFF)	WHITE ON RED

Pipe O.D. Including Covering		Minimum Length of Label Field Color		Minimum Height of Letters	
¾" to 1¼"	19 mm to 32 mm	8"	203 mm	½"	13 mm
1½" to 2"	38 mm to 51 mm	8"	203 mm	¾"	19 mm
2½" to 4"	64 mm to 108 mm	12"	305 mm	1¼"	32 mm

Marker Placement

- At all changes in direction
- At both sides of any penetrations (valves, flanges, tees, etc.)
- At frequent intervals on straight run (50 feet is typical)
- Locate pipe markers so they are readily visible
- Provide arrows indicating direction of flow

NOTE: This guide is for general information purposes only. Pipe markings shall be in accordance with local code requirements.

Viega MegaPress Stainless Systems

Approved Applications

Types of Service	System Operating Conditions			MegaPress 304 Stainless	MegaPress 316 Stainless
	Comments	Pressure	Temperature	FKM	EPDM
Fluids/Water					
Potable water		200 PSI	32°F to 250°F		√
Cooling water	Up to 50% Ethylene Glycol or Propylene Glycol solution	200 PSI	-4°F to 250°F	√	√
Hydronic heating	Ethylene Glycol / Propylene Glycol	200 PSI	Up to 250°F	√	√
Process water (non potable)		200 PSI	*See Note 2	√	√
Wastewater/Greywater	No blackwater waste	200 PSI	*See Note 2	√	√
RO and DI water	1 mega ohm max for RO	200 PSI	32°F to 250°F		√
Low-pressure steam/ condensate		Up to 15 PSI	248°F	√	√
Glycol		200 PSI	*See Note 2	√	√
Fuel, Oil and Lubricant					
Lube oils	Petroleum based	150 PSI	0°F to 200°F	√	
Fuel oils		150 PSI	0°F to 200°F	√	
Gases					
Compressed air	Less than 25mg/m^3 oil content	200 PSI	Ambient	√	√
Compressed air	More than 25mg/m^3 oil content	200 PSI	Ambient	√	
Instrument air	non-medical	200 PSI	Ambient	√	
Argon	Welding use	200 PSI	Up to 140°F	√	√
Nitrogen		200 PSI	Up to 140°F	√	√
Oxygen - O_2 (non-medical)	Keep oil and fat free/ non-liquid O_2	145 PSI	Up to 140°F	√	
Methane gas		70 PSI	Up to 140°F	√	
Carbon dioxide		200 PSI	*See Note 2	√	√
Ammonia	Anhydrous	200 PSI	122°F	√	
Hydrogen - H_2		125 PSI	0°F to 250°F		√
Miscellaneous					
Vacuum		Max. 29.2 in. Hg	Up to 140°F	√	√
Mixed chemical drains	Depending on temp/ concentration			√	√
Caustic solutions	Depending on temp/ concentration			√	√
Acid solutions	Depending on temp/ concentration			√	√
1. Consult the Viega Technical Support Department for information on applications not listed and applications outside the temperature and pressure ranges listed above.					
2. System pressure and temperature ranges depend on sealing element.					

Frequently Asked Questions

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 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 Do I need additional equipment to install Viega MegaPress Stainless Systems?

A No. Viega designed Viega MegaPress Stainless fittings to be compatible with the same jaws and press tools that are used for the Viega MegaPress Carbon Steel System.

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.

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

A Good connections can be proven by performing a pressure test, using the same procedure for a fitting system.

Q What is the lubrication used on the sealing elements?

A The sealing elements are lubricated with a USDA approved H1 lubricant, meeting the requirement of FDA 21CFR. If it is necessary to lubricate the seals in the field, use water only. Do not use petroleum-based lubricants. 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 piping system.

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

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

Q What is the warranty for Viega MegaPress Stainless fittings?

A Viega MegaPress Stainless fittings carry a 2-year warranty against defects in material and workmanship from Viega.

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

A Precautions should be taken for any piping system to protect the system from below freezing temperatures.

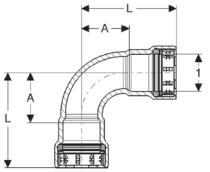
Q What level of turbulence occurs in Viega MegaPress Stainless fittings and will it cause premature wear in the piping?

A The long radius of Viega MegaPress elbows reduce turbulence typically experienced with traditional short-radius fittings. Not reaming the ID of the pipe is the largest contributing factor to turbulence and premature wear of any piping system.

Viega MegaPress Stainless Fitting Systems

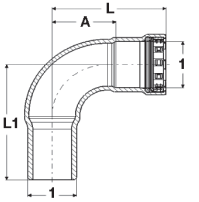
Dimensional Documentation

Dimensional Documentation (inches)



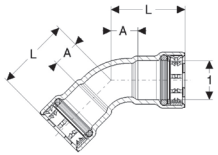
MegaPress 90° Elbow, Stainless Steel, P x P - Models 4116 / 5116

Part No.		Size	A (in)	L (in)
304	316	1		
95005	90005	½"	1.17	2.24
95010	90010	¾"	1.36	2.52
95015	90015	1"	1.72	3.07
95020	90020	1½"	2.26	4.13
95025	90025	2"	2.80	4.76



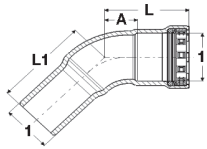
MegaPress 90° Elbow, Stainless Steel, FTG x P - Models 4116.1 / 5116.1

Part No.		Size	A (in)	L (in)	L1 (in)
304	316	1			
95030	90030	½"	1.17	2.24	2.56
95035	90035	¾"	1.36	2.52	2.80
95040	90040	1"	1.72	3.07	3.39
95045	90045	1½"	2.26	4.13	4.21
95050	90050	2"	2.80	4.76	5.08



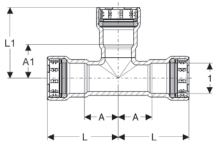
MegaPress 45° Elbow, Stainless Steel, P x P - Models 4126 / 5126

Part No.		Size	A (in)	L (in)
304	316	1		
95055	90055	½"	0.60	1.67
95060	90060	¾"	0.71	1.87
95065	90065	1"	0.86	2.20
95070	90070	1½"	1.12	2.99
95075	90075	2"	1.32	3.29



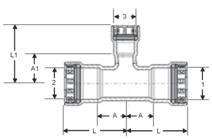
MegaPress 45° Elbow, Stainless Steel, FTG x P - Models 4126.1 / 5126.1

Part No.		Size	A (in)	L (in)	L1 (in)
304	316	1			
95080	90080	½"	0.60	1.67	1.97
95085	90085	¾"	0.71	1.87	2.13
95090	90090	1"	0.86	2.20	2.52
95095	90095	1½"	1.12	2.99	3.07
95100	90100	2"	1.32	3.29	3.58



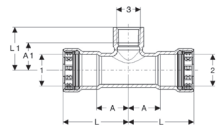
MegaPress Tee, Stainless Steel, P x P x P - Models 4118 / 5118

Part No.		Size	A (in)	A1 (in)	L (in)	L1 (in)
304	316	1				
95105	90105	½"	0.97	0.97	2.04	2.04
95110	90110	¾"	1.11	1.11	2.26	2.26
95115	90115	1"	1.23	1.23	2.57	2.57
95120	90120	1½"	1.57	1.57	3.44	3.44
95125	90125	2"	1.81	1.81	3.78	3.78



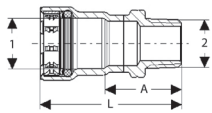
MegaPress Reducing Tee, Stainless Steel, P x P x P - Models 4118 / 5118

Part No.		Size	A (in)	A1 (in)	L (in)	L1 (in)
304	316	1 2 3				
95130	90130	¾" x ¾" x ½"	1.11	1.07	2.26	2.14
95135	90135	1" x 1" x ½"	1.23	1.19	2.57	2.26
95140	90140	1" x 1" x ¾"	1.23	1.26	2.57	2.41
95145	90145	1½" x 1½" x ½"	1.57	1.44	3.44	2.51
95150	90150	1½" x 1½" x ¾"	1.57	1.48	3.44	2.64
95155	90155	1½" x 1½" x 1"	1.57	1.48	3.44	2.83
95160	90160	2" x 2" x ½"	1.81	1.74	3.78	2.81
95165	90165	2" x 2" x ¾"	1.81	1.80	3.78	2.95
95170	90170	2" x 2" x 1"	1.81	1.75	3.78	3.10
95175	90175	2" x 2" x 1½"	1.81	1.84	3.78	3.71



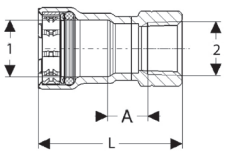
MegaPress Reducing Tee, Stainless Steel, P x P x FPT - Models 4117.2 / 5117.2

Part No.		Size	A (in)	A1 (in)	L (in)	L1 (in)
304	316	1 2 3				
95180	90180	¾" x ¾" x ½"	1.11	1.02	2.26	1.55
95185	90185	¾" x ¾" x ¾"	1.11	1.03	2.26	1.58
95190	90190	1" x 1" x ½"	1.23	1.19	2.57	1.73
95195	90195	1" x 1" x ¾"	1.23	1.18	2.57	1.73
95200	90200	1½" x 1½" x ½"	1.57	1.42	3.44	1.95
95205	90205	1½" x 1½" x ¾"	1.57	1.41	3.44	1.97
95210	90210	1½" x 1½" x 1"	1.57	1.57	3.44	2.24
95215	90215	2" x 2" x ½"	1.81	1.70	3.78	2.24
95220	90220	2" x 2" x ¾"	1.81	1.72	3.78	2.28
95225	90225	2" x 2" x 1"	1.81	1.89	3.78	2.55



MegaPress Adapter, Stainless Steel, P x MPT - Models 4111 / 5111

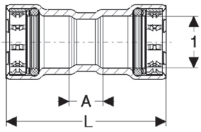
Part No.		Size	A (in)	L (in)
304	316	1 2		
95230	90230	½" x ½"	1.46	2.53
95235	90235	¾" x ½"	1.49	2.65
95240	90240	¾" x ¾"	1.52	2.67
95245	90245	1" x 1"	1.70	3.05
95250	90250	1½" x 1½"	2.06	3.93
95255	90255	2" x 2"	2.04	4.01



MegaPress Adapter, Stainless Steel, P x FPT - Models 4112 / 5112

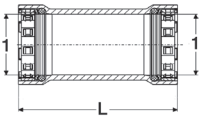
Part No.		Size	A (in)	L (in)
304	316	1 2		
95260	90260	½" x ½"	0.70	2.31
95265	90265	¾" x ¾"	0.74	2.45
95270	90270	1" x 1"	0.79	2.80
95275	90275	1½" x 1½"	0.86	3.41
95280	90280	2" x 2"	0.85	3.52

Viega MegaPress Stainless 304 and 316 Fitting Systems



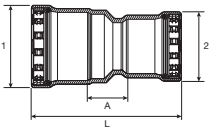
MegaPress Coupling with Stop, Stainless Steel, P x P - Models 4115 / 5115

Part No.		Size	A (in)	L (in)
304	316	1		
95285	90285	½"	0.56	2.70
95290	90290	¾"	0.63	2.94
95295	90295	1"	0.57	3.26
95300	90300	1½"	0.89	4.63
95305	90305	2"	0.77	4.71



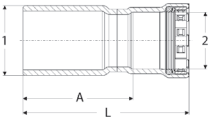
MegaPress Coupling No Stop, Stainless Steel, P x P - Models 4115.5 / 5115.5

Part No.		Size	L (in)
304	316	1	
95310	90310	½"	2.70
95315	90315	¾"	2.94
95320	90320	1"	3.29
95325	90325	1½"	4.63
95330	90330	2"	4.71



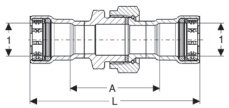
MegaPress Reducer, Stainless Steel, P x P - Models 4115.2 / 5115.2

Part No.		Size	A (in)	L (in)
304	316	1 x 2		
95335	90335	¾" x ½"	1.20	3.43
95340	90340	1" x ¾"	1.24	3.74
95345	90345	1½" x 1"	1.35	4.57
95350	90350	2" x 1½"	1.43	5.26



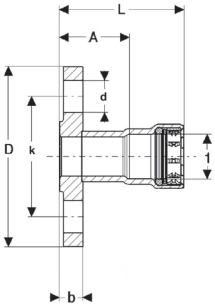
MegaPress Reducer, Stainless Steel, FTG x P - Models 4115.1 / 5115.1

Part No.		Size	A (in)	L (in)
304	316	1 2		
95355	90355	¾" x ½"	1.88	2.95
95360	90360	1" x ½"	2.17	3.24
95365	90365	1" x ¾"	2.10	3.26
95370	90370	1½" x ¾"	3.00	4.15
95375	90375	1½" x 1"	2.82	4.17
95380	90380	2" x 1"	3.15	4.50
95385	90385	2" x 1½"	2.96	4.83



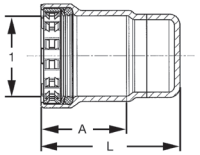
MegaPress Union, Stainless Steel, P x P - Models 4160 / 5160

Part No.		Size	A (in)	L (in)
304	316	1		
95415	90415	½"	2.39	4.53
95420	90420	¾"	2.69	5.00
95425	90425	1"	2.74	5.43
95430	90430	1½"	3.15	6.89
95435	90435	2"	3.66	7.60



MegaPress Flange, Stainless Steel, P x BP - Models 4159.5 / 5159.5

Part No.		Size	A (in)	L (in)	b (in)	k (in)	D (in)	d (in)
304	316	1						
95440	90440	½"	1.12	2.19	0.46	2.36	3.54	0.63
95445	90445	¾"	1.37	2.52	0.52	2.76	3.94	0.63
95450	90450	1"	1.42	2.76	0.58	3.11	4.33	0.63
95455	90455	1½"	1.57	3.44	0.70	3.86	4.92	0.63
95460	90460	2"	1.65	3.62	0.77	4.76	5.91	0.75

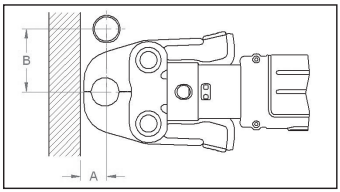


MegaPress Cap, Stainless Steel, P x Cap - Models 4156 / 5156

Part No.		Size	A (in)	L (in)
304	316	1		
95390	90390	½"	1.07	2.14
95395	90395	¾"	1.16	2.26
95400	90400	1"	1.35	2.43
95405	90405	1½"	1.87	3.02
95410	90410	2"	1.97	3.09

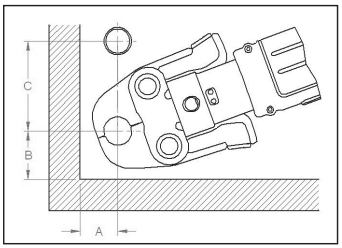
Tool Clearances

Minimum distance requirements for press jaws between pipes and walls



Pipe Diameter	A minimum	B minimum
	in	in
½"	1	2⅝
¾"	1¼	3⅛
1"	1¾	3⅝

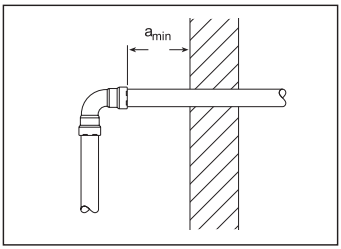
Minimum distance requirements for press jaws between pipes and wall/ floor structure.



Pipe Diameter	A minimum	B minimum	C minimum
	in	in	in
½"	1¼	1⅞	3
¾"	1½	2⅛	3½
1"	2	2½	4

Minimum space requirements for the press fitting process in front of and behind components

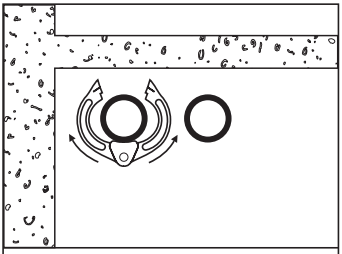
Ensure that the space required for Viega system pressing tools is available if press fittings will be executed immediately upstream and downstream from wall or ceiling penetrations.



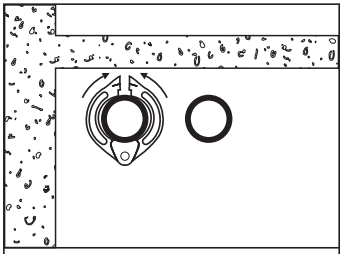
Pipe Size	Minimum space requirement, a_{min} for press tools
	RIDGID RP 330-B, 330-C and 340-B Press Tool (in)
½" to 1"	1½"
1¼" to 2"	⅜"

Viega MegaPress Stainless Systems

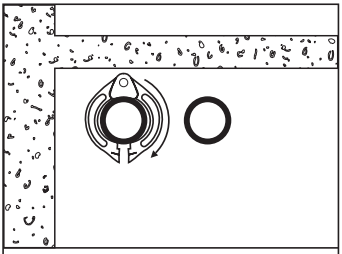
Pressing with ring and actuator in tight quarters



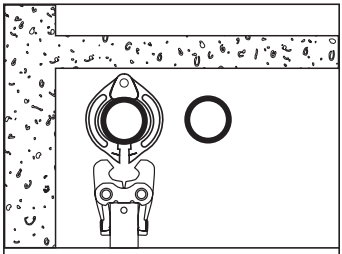
1. Wrap the actuator ring around the press fitting with the opening facing away from you.



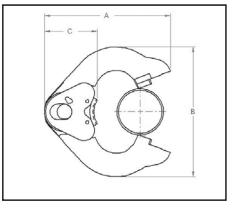
2. Close the actuator tight around the fitting.

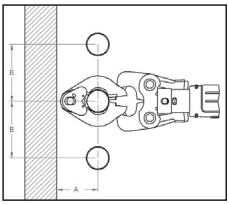


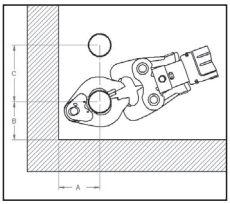
3. Rotate the actuator ring until the press jaw receptacle is facing toward you.



4. Properly insert press jaws and begin the press fitting procedure.







Pipe Diameter	A in	B in	C in
1¼"	6	6¼	2½
1½"	6	6¾	2⅝
2"	6	6⅞	2½

Pipe Diameter	A in	B in
1¼"	3¾	4⅞
1½"	4	5⅛
2"	4	5⅜

Pipe Diameter	A in	B in	C in
1¼"	3¾	3	4⅞
1½"	4	4	5⅛
2"	4	4	5⅜

Viega Limited Warranty for Industrial Applications

Industrial applications are defined as non residential and non commercial applications not normally accessible to the general public, including manufacturing, mining, process or fabrication environments.

Subject to the terms and conditions of this Limited Warranty, Viega LLC (Viega) warrants to end users, installers and distribution houses that its Viega metal press products (Viega product) when properly installed in industrial applications shall be free from failure caused by manufacturing defects 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 Viega product and the failure or leak occurs during the warranty period. You do not have a remedy under this warranty and the warranty remedy does not apply if the failure or any resulting damage is caused by (1) components other than those sold by Viega; (2) not designing, installing, inspecting, testing, or maintaining the Viega product in accordance with Viega's installation and product instructions in effect at the time of installation and other specifications and approvals applicable to the installation; (3) improper handling and protection of the Viega product prior to, during and after installation, inadequate freeze protection, or exposure to environmental or operating conditions not recommended for the application; or (4) acts of nature, such as, but not limited to earthquakes, fire, or weather damage. Final approval as to use compatibility to a specific process or fluid application is the responsibility of the engineer of record or responsible design/facilities personnel and this Limited Warranty only applies to manufacturing defects in the Viega Product.

In the event of a leak or other failure in the Viega product covered by this warranty, it is the responsibility of the end user to take appropriate measures to diminish any damage, to include making timely 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) calendar 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, document the date of installation, and the amount of the repair or replacement if performed by you. 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 a Viega location and reasonable access to the site of damage. Viega will notify you in writing as to 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 Viega Product covered by this warranty and to which this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for reasonable charges for repair or replacement of the Viega Product itself. VIEGA SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR OTHER DAMAGE (FOR EXAMPLE, ECONOMIC LOSS, 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 OR ANY STATUTE OF LIMITATIONS RELATING TO SUCH WARRANTIES. 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.

Viega Limited Warranty for Marine Applications

Marine applications are defined as mobile structures
used to navigate water or stationary structures in water

Subject to the terms and conditions of this Limited Warranty, Viega LLC (Viega) warrants to end users, installers and distribution houses that its Viega metal press products (Viega product) when properly installed in approved marine applications and other products sold by Viega LLC when properly installed in marine applications in accordance with our listings shall be free from failure caused by manufacturing defects for a period of two (2) years from date of installation. This warranty applies only to approved applications. Installations that are not approved shall not be covered by this warranty and shall not be the responsibility of Viega LLC.

Under this Limited Warranty, you only have a right to a remedy if the failure or leak resulted from a manufacturing defect in the Viega product and the failure or leak occurs during the warranty period. You do not have a remedy under this warranty and the warranty remedy does not apply if the failure or any resulting damage is caused by (1) components other than those sold by Viega; (2) not designing, installing, inspecting, testing, or maintaining the Viega product in accordance with Viega's installation and product instructions in effect at the time of installation and other specifications and approvals applicable to the installation; (3) improper handling and protection of the Viega product prior to, during and after installation, inadequate freeze protection, or exposure to environmental or operating conditions not recommended for the application; or (4) acts of nature, such as, but not limited to earthquakes, fire, or weather damage. Final approval as to use compatibility to a specific process or fluid application is the responsibility of the engineer of record or responsible design/facilities personnel and this Limited Warranty only applies to manufacturing defects in the Viega Product.

In the event of a leak or other failure in the Viega product covered by this warranty, it is the responsibility of the end user to take appropriate measures to diminish any damage, to include making timely 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) calendar 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, document the date of installation, and the amount of the repair or replacement if performed by you. 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 a Viega location and reasonable access to the site of damage. Viega will notify you in writing as to 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 Viega Product covered by this warranty and to which this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for reasonable charges for repair or replacement of the Viega Product itself. VIEGA SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR OTHER DAMAGE (FOR EXAMPLE, ECONOMIC LOSS, WATER OR PROPERTY OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION OR INDEMNITY OR OTHERWISE.

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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.

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