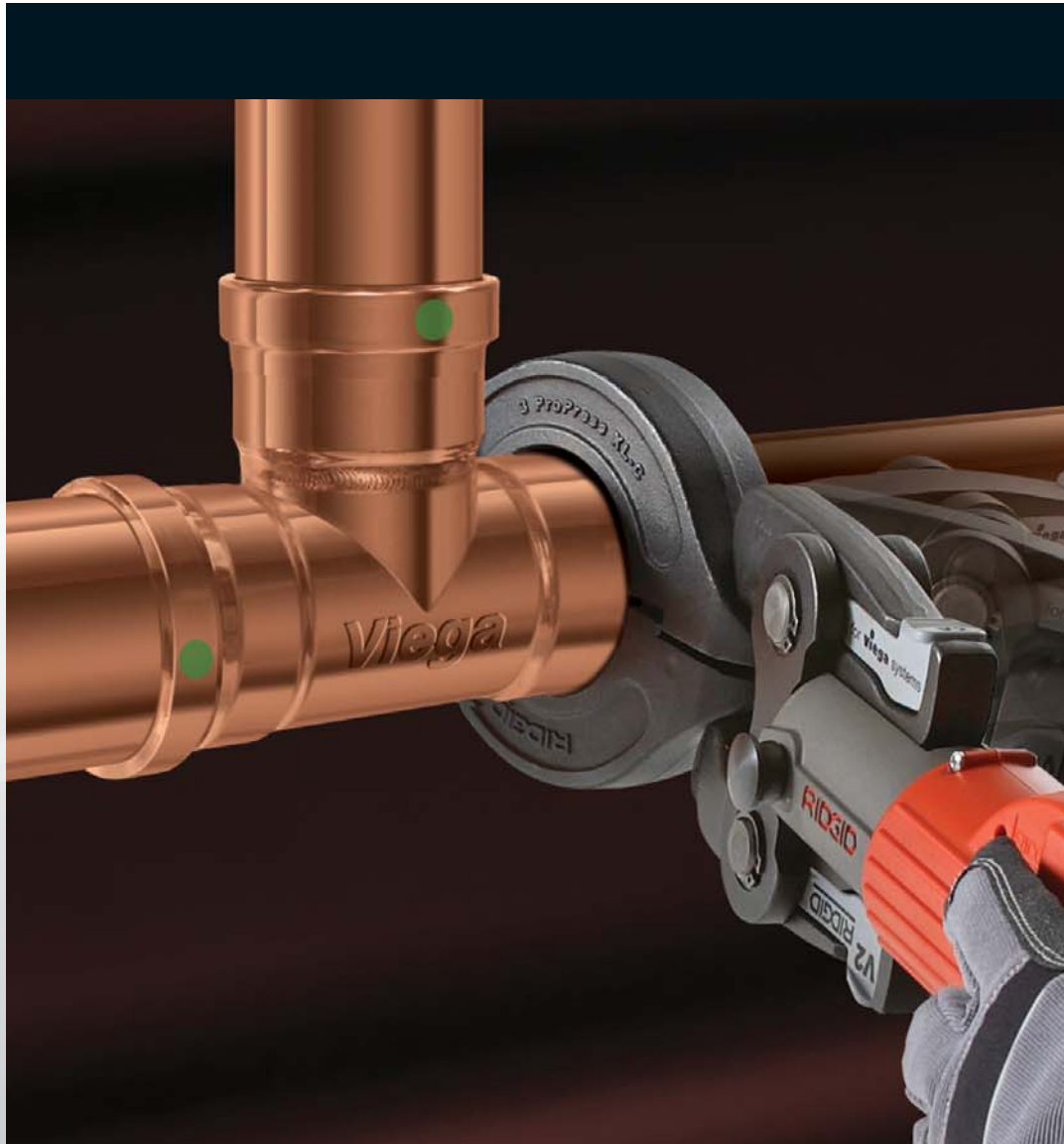




Viega ProPress® System

Speed.
Reliability.
Results.



Viega... The global leader in plumbing and heating systems.



A heritage of better ideas since 1899.

Our heritage of innovation and quality began in 1899 when Franz Viegner introduced a new design in brass beer taps. By the 1930s Viega was an established leader in the plumbing business, with a full line of fittings, traps and drains for kitchens and baths. In the 1960s and 70s, Viega continued to expand its product line, offering copper solder fittings for water pipes and plastic drainage products for home plumbing applications.



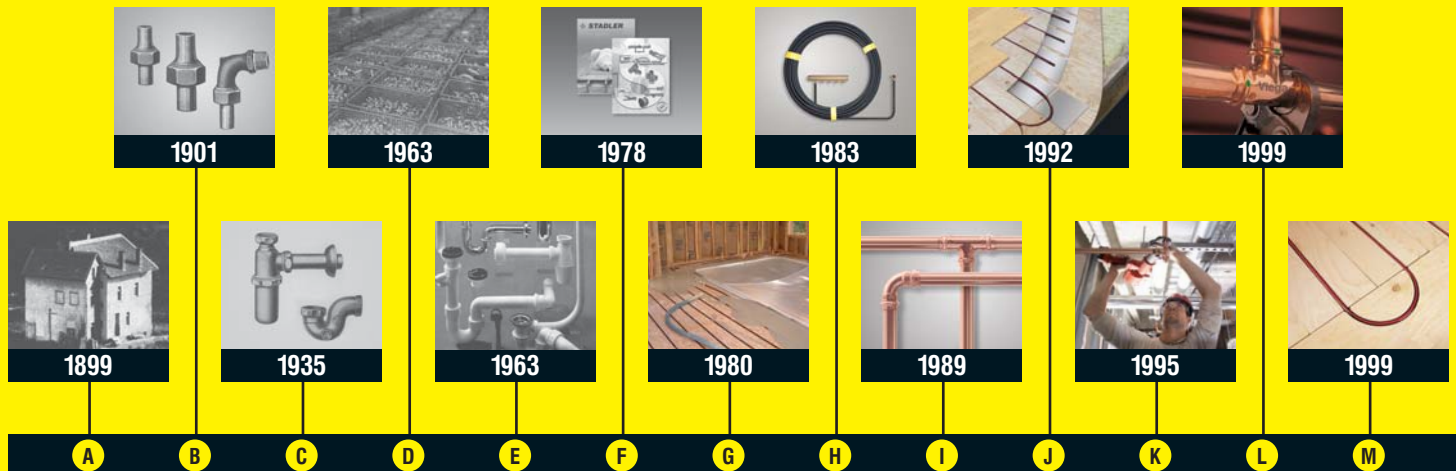
While Viega was growing in Europe, Stadler Corporation was established in the United States. Initial product offerings included PEX radiant floor heating systems introduced in 1980 and Climate Panel, the first "dry" radiant heating system, launched in 1992.

In the late 1980s and into the 90s, Viega revolutionized the plumbing industry by introducing a totally new system of press fittings and tools to connect copper pipe. A new millennium for the plumbing and heating industry began a year early in 1999 when Stadler and Viega joined to form Stadler-Viega. In the same year, Viega signed a long-term contract with Ridge Tool Company to market the ProPress System.

The new century saw rapid growth in Viega innovations, including PureFlow — the first PEX press plumbing technology, ProPressG for fuel gas applications,



hybrid technology to connect copper to PEX, and the Smart Connect feature to quickly identify unpressed fittings. In 2002, Viega acquired 100% of Stadler-Viega and began to offer several innovations in radiant heating that helped reduce installation time and expense. In 2005, Viega acquired Vanguard Piping Systems and Midtec, Inc. Besides the expanded options in PEX tubing and fitting systems, the acquisition also added the MANABLOC® water distribution manifold to the Viega line.

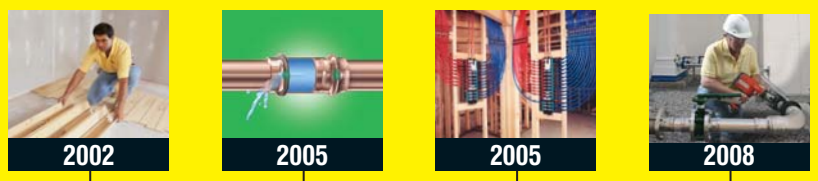




Viega continues developing new products to build on our global leadership. Chief among these is ProPress Stainless, which opens a wide variety of industries and applications to ProPress technology.

Franz Viegner's simple brass beer tap was the first of over 15,000 Viega products, many of which revolutionized the plumbing and heating industry. Today, Viega delivers system solutions through continuous improvement in design and service to our customers. With imagination, passion and an unrelenting dedication to quality, Viega has extended our reach to exceed our customers' expectations around the globe.

- A** Franz Viegner starts Viega Co. with first brass beer tap.
- B** Viega starts manufacturing plumbing fittings.
- C** Viega adds traps and draining products for sinks and bathtubs to its lineup.
- D** Viega starts producing copper solder fittings.
- E** Viega adds plastic drainage products to the product offering.
- F** Stadler Corporation established in Massachusetts.
- G** Stadler Corporation introduces its first PEX radiant floor heating system in the U.S.
- H** Viega launches PEX plumbing system with bronze fittings in Europe.
- I** Viega's press technology begins in Germany.
- J** Climate Panel, the first "dry" radiant system, is introduced by Stadler Corporation.
- K** Copper press technology is launched in the U.S.
- L** Viega signs seven-year contract with Ridge Tool Co. to market ProPress.
- M** Stadler and Viega joint venture forms Stadler-Viega.
- N** PureFlow – the first PEX press plumbing technology is introduced.
- O** Viega acquired 100% of Stadler-Viega.
- P** Viega introduces the ProPressG™ system for fuel gas applications.
- Q** Viega introduces the Smart Connect. feature in the U.S.
- R** Viega creates hybrid technology to connect copper to PEX.
- S** Viega acquired Vanguard Piping Systems and Midtec Inc.
- T** Viega opens state-of-the-art training facility in Nashua, NH.
- U** Viega launches ProPress Stainless.
- V** Viega opens new Manufacturing and Distribution Center in McPherson, KS.



N O P Q R S T U V

The fastest, most reliable, flameless way to press copper tubing around the world.

The ProPress System, pioneered in Europe by Viega, is sweeping North America. In commercial and residential installations, the ProPress System is the fastest, most reliable, flameless way to press copper tubing.



Much faster than soldering.

- Safer—no flame.
- Cleaner—no solder, flux.
- Convenient—one tool, one source of fittings.
- Over 25 years of proven performance worldwide.
- Highest quality.
- Patented Smart Connect® feature—only Viega fittings have it.
- Wide selection of sizes, types.
- Meets/exceeds industry standards.
- Guaranteed reliability.

Speed + Reliability = Results

- Speeds installation time dramatically with press connections completed in as little as five seconds.
- Consistent press connections mean water-tight and gas-tight joints every time.
- Patented Smart Connect feature identifies unpressed connections so they are not left behind.
- Thousands of professionals are using the ProPress System to improve installation time, avoid leaks and provide a professional looking job.

1-800-976-9819 or visit www.viega.com





“ProPress is the best investment I have made in the past 5 years. It has paid for itself job after job.”

*Rick Williams,
Aquanaut Plumbing*

“The time savings of ProPress is incredible. That coupled with no leaks, unlike the 1 to 3% we used to get with soldering, has significantly increased our productivity.”

*Larry Lee,
East Coast Mechanical, Inc.*

We're not only the fastest, but no one offers more fitting choices than Viega ProPress.

Our speed and reliability has made the Viega ProPress System the industry standard for copper press systems. Also, Viega ProPress fittings and valves are available in the widest variety of configurations and sizes from 1/2" to 4", for any commercial or residential tubing installation.



Orange County Choppers™ World Headquarters

“Soldering all the fittings in this job would have taken too long – I would estimate the ProPress system saved my crew at least ten days of work.”

*Larry Krug,
Orange County Sheet Metal, Newburgh, N.Y.*



For warranty information please visit www.viega.com.



ProPress vs. Sweat time comparison

To compare labor times between copper sweat and press applications, a typical restaurant restroom installation was used. The installation would include the plumbing fixtures: 5 tank type water closets, 1 flushometer urinal, 4 lavatories, 1 water heater. A total of 53 copper fittings in sizes ranging from 1/2" to 1" were estimated. MCAA* calculator was utilized in the labor estimate.

ProPress	Sweat
6.21	25.54
MCAA labor hours	MCAA labor hours

The results of this estimate show that there is a dramatic savings in time when utilizing Press technology versus soldering. The time savings translates into jobs being completed quicker and on time or ahead of schedule.

Approximate difference of
75%
Labor Savings

*MCAA is the Mechanical Contractors Association of America. (Site source)

**ProPress
1/2" to 2"
fittings**



**ProPress XL-C
(copper)
2-1/2" to 4"
fittings**



**ProPress XL
(bronze)
2-1/2" to 4"
fittings**



Note: XL fittings may not be available in all areas.

**ProPressG
1/2" to 2"
fuel gas
fittings**

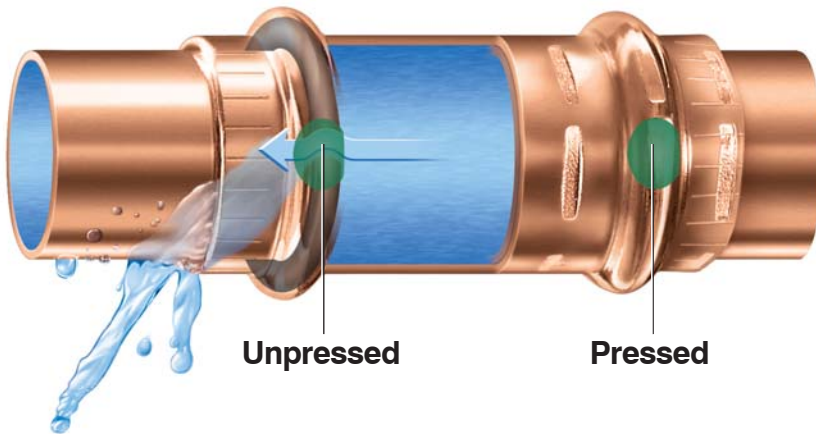


**ProPress and
ProPressG
valves**

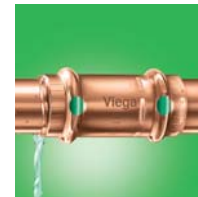


Only Viega ProPress fittings offer the patented Smart Connect® feature.

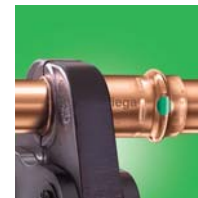
Look for the colored dots.



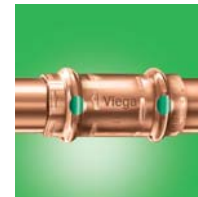
Only Viega ProPress fittings offer the patented Smart Connect feature, a quick and easy way for installers to identify connections that need pressing. Used in Europe since 2001 and introduced in the United States in 2005, the Smart Connect feature has assured hundreds of millions of leak-free connections for water and gas applications. If you don't see the Viega name and the colored dots, you don't have a genuine Viega ProPress fitting with the Smart Connect feature.



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



2 Upon identification, the "press" tool is used to press the fitting, making a permanent leak-proof connection.



3 ProPress connections are fast, flameless and reliable.

Available in four systems:



ProPress fittings with EPDM seal

Green dot identifies ProPress fittings that have the Smart Connect feature.



ProPressG fittings with HNBR seal for fuel gases

Yellow dot identifies ProPressG fittings that have the Smart Connect feature.



ProPress Stainless 316 fittings with EPDM seal

Green dot identifies ProPress Stainless 316 fittings that have the Smart Connect feature.



ProPress Stainless 304 fittings with EPDM seal

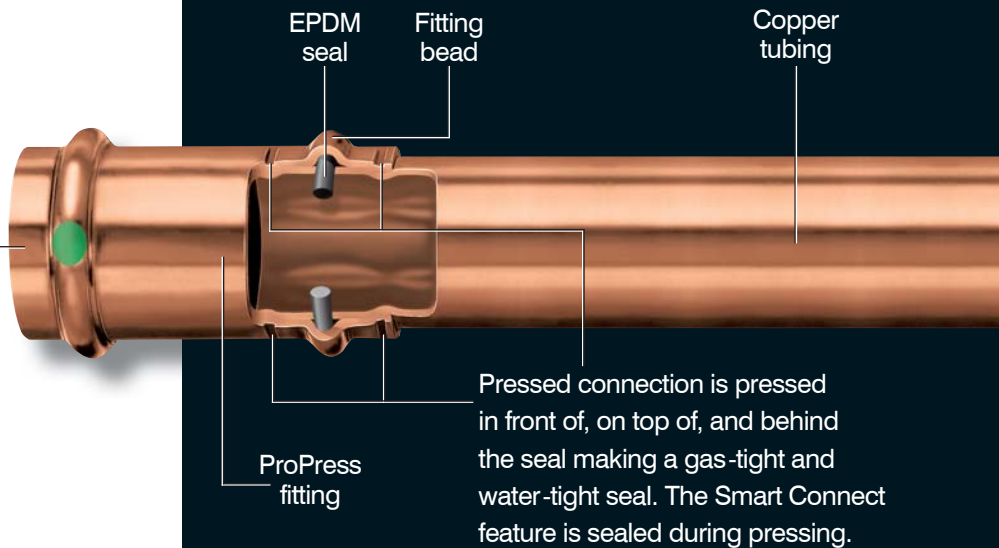
Orange dot identifies ProPress Stainless 304 fittings that have the Smart Connect feature.

Here's how to identify the best press fittings.



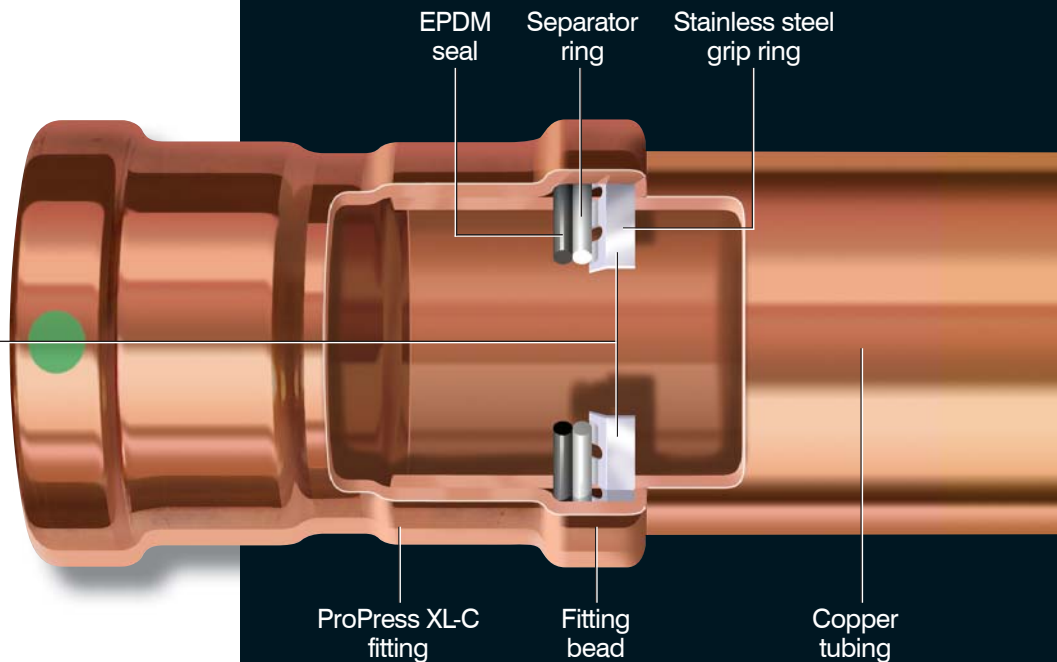
ProPress 1/2" to 2" fittings.

Unpressed connection with the Smart Connect feature allows liquids and/or air to pass by the sealing element during pressure test.



ProPress XL-C (copper) 2-1/2" to 4" fittings.

The stainless steel grip ring is pressed on top, forcing the grip ring teeth against the tube, making a high-strength connection.



ProPressG System the fast, proven technology for gas applications.

ProPressG was designed and engineered for a variety of applications, including natural gas, LP gas and fuel oil. Since its introduction to North America in 1999, thousands of installations have benefited from ProPressG technology.

Available in sizes from 1/2" to 2", ProPressG fittings offer the same quality as traditional ProPress fittings.

Tested and approved.

- American National Standard/CSA standard for LC 4 Press-Connect Copper and Copper Alloy fittings for use in fuel gas distribution systems, U.S. for press connect type copper alloy fittings for use with fuel gas tubing.

Maximum pressure of 125 psi and ambient temperature range of -40°F to 180°F .

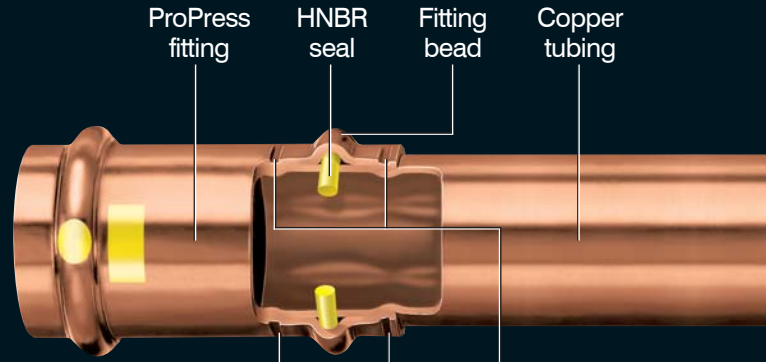
- Natural gas, LP gas and fuel oil.
- Types K and L copper tube installations can be made on drawn (hard) tube up to 2" and annealed (soft) tube up to 1-1/4". Be sure to follow proper installation procedures for the type of tubing used.
- Gas should contain 0.3 grains or less of hydrogen sulfide/100 standard cu. ft. (0.7mg/100L) per NFPA 54/ANSI A223.1.
- Follow the manufacturer's instructions and tool operator's manual.

1-800-976-9819 or visit www.viega.com



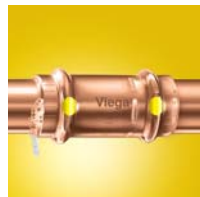
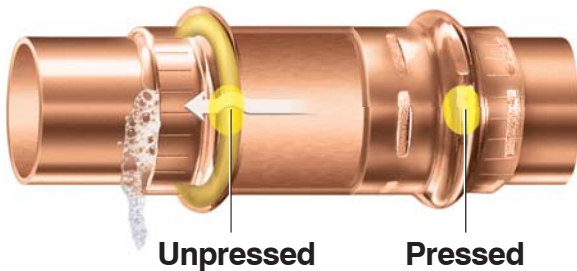
Patented Smart Connect feature:

The exclusive Viega Smart Connect feature marked with yellow dots for ProPressG, gives the installer the ability to identify unpressed fittings during pressure testing ... saving time and improving safety. The unpressed connection allows air to flow past the seal. The final pressure test should be completed in accordance with local codes.

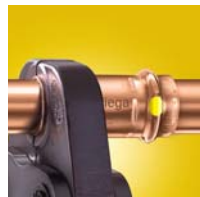


Pressed connection is pressed in front of, on top of, and behind the seal making a gas-tight seal. The Smart Connect feature is sealed during pressing.

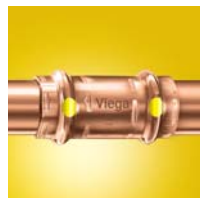
Look for the yellow dots.



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



2 Upon identification the "press" tool is used to press the fitting, making a permanent leak-proof connection.



3 ProPress connections are fast, flameless and more reliable.

Marine Terminal Loft Condos Milwaukee, WI

The Marine Terminal building in the historic Milwaukee Third Ward required a complete retrofit of an old warehouse into 84 condos, which involved installation of gas and water lines in tight spaces. Avoiding flames was also a major concern.



R & D Systems Minneapolis, MN

This medical research company needed to replace an outdated steam generator with a new gas-fired high-pressure steam boiler. This system serves a new 80,000 sq. ft. addition and an existing building where work could not be disrupted during the retrofit. Due to the critical nature of work, they required a fail-safe mechanical system.



No one can press connect more applications than Viega ProPress and ProPressG.

Only the Viega ProPress System offers hundreds of engineered copper and bronze press fittings in configurations from 1/2" to 4" for fluids and gas. Both Viega ProPress and ProPressG offer the exclusive Smart Connect feature — to quickly identify unpressed fittings.

Type of Service	System Operating Conditions	Specialty Seals Factory Installed	Specialty Seals Field Installed	Specialty Seals Factory Installed
		ProPress w/EPDM Color-Shiny Black	FKM Color- Dull Black*	ProPressG w/HNBR Color-Yellow
Fluids				
Hot and Cold Potable Water	32°F – 250°F, max. 200 PSI	YES	NO	NO
Potable Water System Flushing	Compliant with major plumbing codes	YES	NO	NO
Chilled Water with corrosion inhibitors	0°F – 250°F, max. 200 PSI Ethylene Glycol – 50% max. concentration Propylene Glycol – 50% max. concentration	YES	YES	NO
Hydronic Heating	0°F – 250°F, max. 200 PSI Ethylene Glycol – 50% max. concentration Propylene Glycol – 50% max. concentration	YES	YES	NO
Low Pressure Steam	Max. 15 PSI	NO	YES	NO
Rainwater/Greywater	32°F – 250°F, max. 200 PSI	YES	YES	YES
Fire Sprinkler	32°F – 250°F, max. 175 PSI	YES	NO	NO
Heating Fuel Oil	-40°F – 180°F Ambient, max. 125 PSI	NO	NO	YES
Diesel Fuel	Compliant with NFPA 30 and 30A	NO	NO	YES
Process Piping				
Propylene Glycol	0°F – 250°F, 200 PSI 100% max. concentration	YES	YES	NO
Ethylene Glycol	0°F – 250°F, 200 PSI 100% max. concentration	YES	YES	NO
Butylene Glycol	0°F – 250°F, 200 PSI 100% max. concentration	YES	YES	NO
Gases				
Compressed Air with less than 25mg/m ³ oil content	0°F – 160°F Ambient, max. 200 PSI	YES	YES	YES
Compressed Air with more than 25mg/m ³ oil content	0°F – 160°F Ambient, max. 200 PSI	NO	YES	YES
Carbon Dioxide CO ₂ dry	0°F – 250°F Ambient, max. 140 PSI	YES	NO	NO
Nitrogen N ₂	0°F – 250°F Ambient, max. 140 PSI	YES	NO	NO
Argon	0°F – 250°F Ambient, max. 140 PSI	YES	NO	NO
Corgon	0°F – 250°F Ambient, max. 140 PSI	YES	NO	NO
Argonmac - K (welding gas)	0°F – 250°F Ambient, max. 140 PSI	YES	NO	NO
Vacuum	Max. 29.2 inches of Mercury	YES	YES	NO
Natural Gas, Liquid Propane Gas, Mixed Fuel Gases, Manufactured Fuel Gases, Liquid Butane Gas	-40°F – 180°F Ambient, max. 125 PSI	NO	NO	YES
Oxygen O ₂ (non-medical)	0°F – 160°F Ambient, max. 160 PSI	YES	NO	YES

*Notes: FKM sealing elements not compatible with XL-C fittings.

†Warning: All systems are recommended to be clearly labeled with the fluid or gas being conveyed. For further information please see the Viega technical bulletin TB-PIPELABELING. Consult the Viega Technical Support Department for information on applications not listed and applications outside the temperature and pressure ranges listed above.



"We prefer it for new construction because it presents the most professional image possible."

*Mike Fitzgerald,
East Coast Mechanical Inc.*

"We have installed over 100,000 fittings to date without a single leak."

*Mike Haggerty, President,
Haggerty & Company*



Mandalay Bay Hotel Tower, Las Vegas, NV

This resort complex used over 60,000 Viega ProPress fittings for potable, hydronic, chilled water systems; collection mains; risers; boiler rooms for swimming pools and spas on the property.



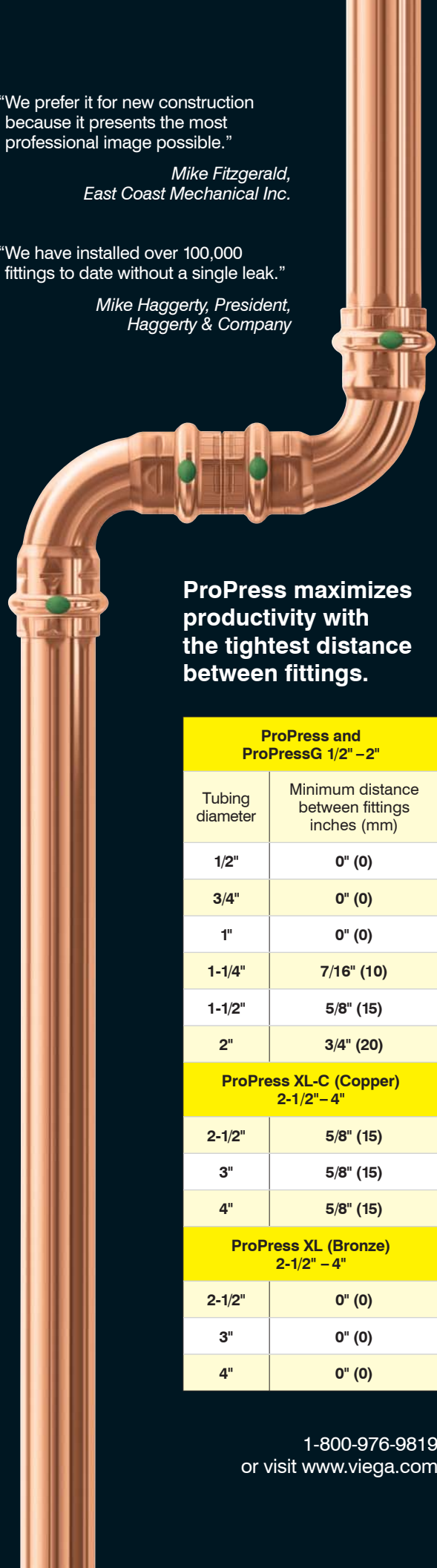
Ford Motor Company, Livonia, MI

Ford chose the ProPress System for a fire protection system installed in its Livonia transmission plant. The job involved two miles of copper tube and thousands of Viega fittings.



Pentagon Washington, D.C.

Viega systems are successfully installed and operating in many government facilities such as the Pentagon and the Library of Congress among others.



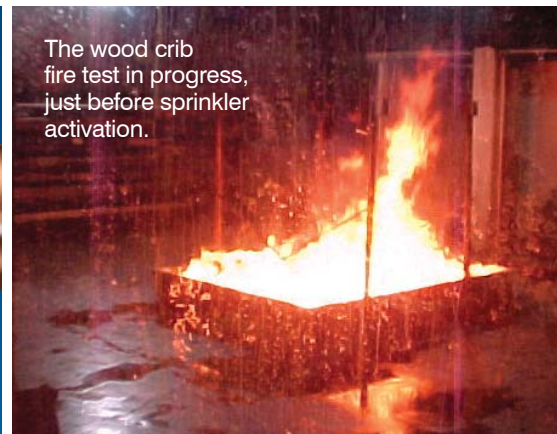
ProPress maximizes productivity with the tightest distance between fittings.

ProPress and ProPressG 1/2" - 2"	
Tubing diameter	Minimum distance between fittings inches (mm)
1/2"	0" (0)
3/4"	0" (0)
1"	0" (0)
1-1/4"	7/16" (10)
1-1/2"	5/8" (15)
2"	3/4" (20)
ProPress XL-C (Copper) 2-1/2" - 4"	
2-1/2"	5/8" (15)
3"	5/8" (15)
4"	5/8" (15)
ProPress XL (Bronze) 2-1/2" - 4"	
2-1/2"	0" (0)
3"	0" (0)
4"	0" (0)

1-800-976-9819
or visit www.viega.com

Viega ProPress copper solderless press fitting system for NFPA13 wet or dry fire sprinkler systems.

Proven under fire, Viega ProPress fittings for fire control systems have exceeded all four sequential severe fire tests at UL Labs in accordance with UL852 for steel piping systems. The fittings were also tested to physical performance requirements of UL213, which covers all rubber gasketed fittings.

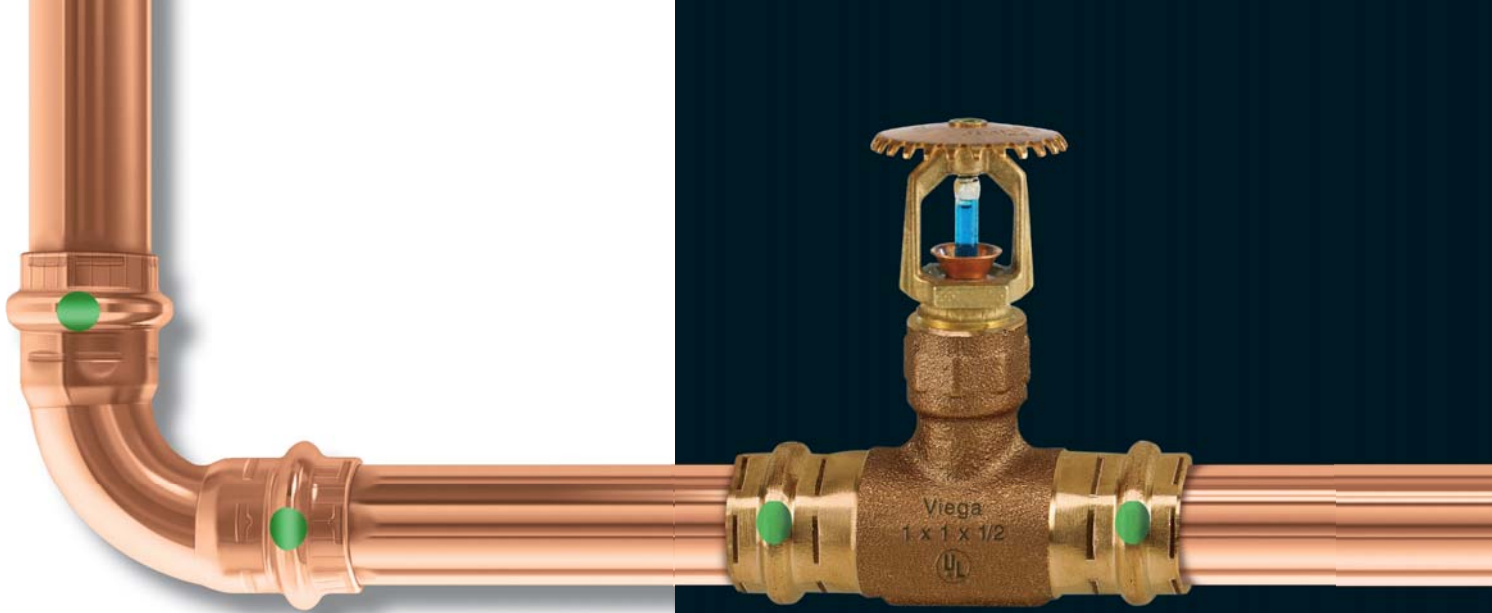


The wood crib fire test in progress, just before sprinkler activation.



Fittings available in sizes from 1/2"-2" for 1/2" and 3/4" sprinkler heads.





- Flameless—no soldering or flammable gases.
- Faster connections—joins copper pipe in seconds.
- Patented Smart Connect® feature—only Viega fittings have it.
- Long life—no deterioration, never gets brittle.
- No down time—installs wet or dry.
- Corrosion resistant—no need for protective painting.
- Professional appearance—no burn marks or rust.
- Continuous flow—no corrosion buildup that could clog sprinkler heads.
- Versatile—commercial, industrial and residential applications.
- UL listed and FM approved for fire sprinkler systems, for use with type K, L and M copper tube in NFPA 13, 13D and 13R fire sprinkler systems.

Yosemite National Park uses Viega ProPress® for fire sprinkler systems.

Yosemite National Park decided to renovate 10 historical cabins with updates to their electrical systems and their fire sprinkler systems. Park officials would not allow any form of open flame within 50' of the structures. Contractors, Control Fire from Bakersfield, CA, chose to use the Viega ProPress system for the renovations because it is a fast, flameless, solderless system. The updates were also scheduled during the height of forest fire season, the need for a safe and easy way to install a sprinkler system was of high importance.



Villa Amorosa protects its winery with Viega ProPress.

Viega ProPress was the system of choice for fire protection at the Villa Amorosa Winery in Calistoga, CA. Fairbanks Mechanical Contractors installed the fire sprinkler system, as well as the domestic and hydronic water systems in the winery. Fairbanks Mechanical was one of the first contractors in Northern California to use Viega systems back in spring 2000.



1-800-976-9819 or visit www.viega.com

Viega hybrid technology combines two innovative systems.

Viega hybrid technology combines two proven systems — ProPress copper press system and PureFlow® PEX Press fittings and ViegaPEX™ tubing. Together, the two systems improve efficiency and capitalize on the unique properties of each material.

Forward-thinking plumbing and mechanical contractors are adopting Viega hybrid technology to reduce installation time, improve reliability and provide the highest quality plumbing solutions.



Quick and easy copper to PEX connections.

Combining Viega's PureFlow and ProPress systems allows contractors to stay ahead of schedule with proven reliability.

Manifold connections made easy.

The ProPress manifold's modular technology design enables contractors to build manifolds to any configuration with fewer parts and unmatched speed.

Hybrid fittings make the difference.

ProPress and PureFlow fittings combine to connect various diameters of ViegaPEX or FostaPEX® with copper tubing.

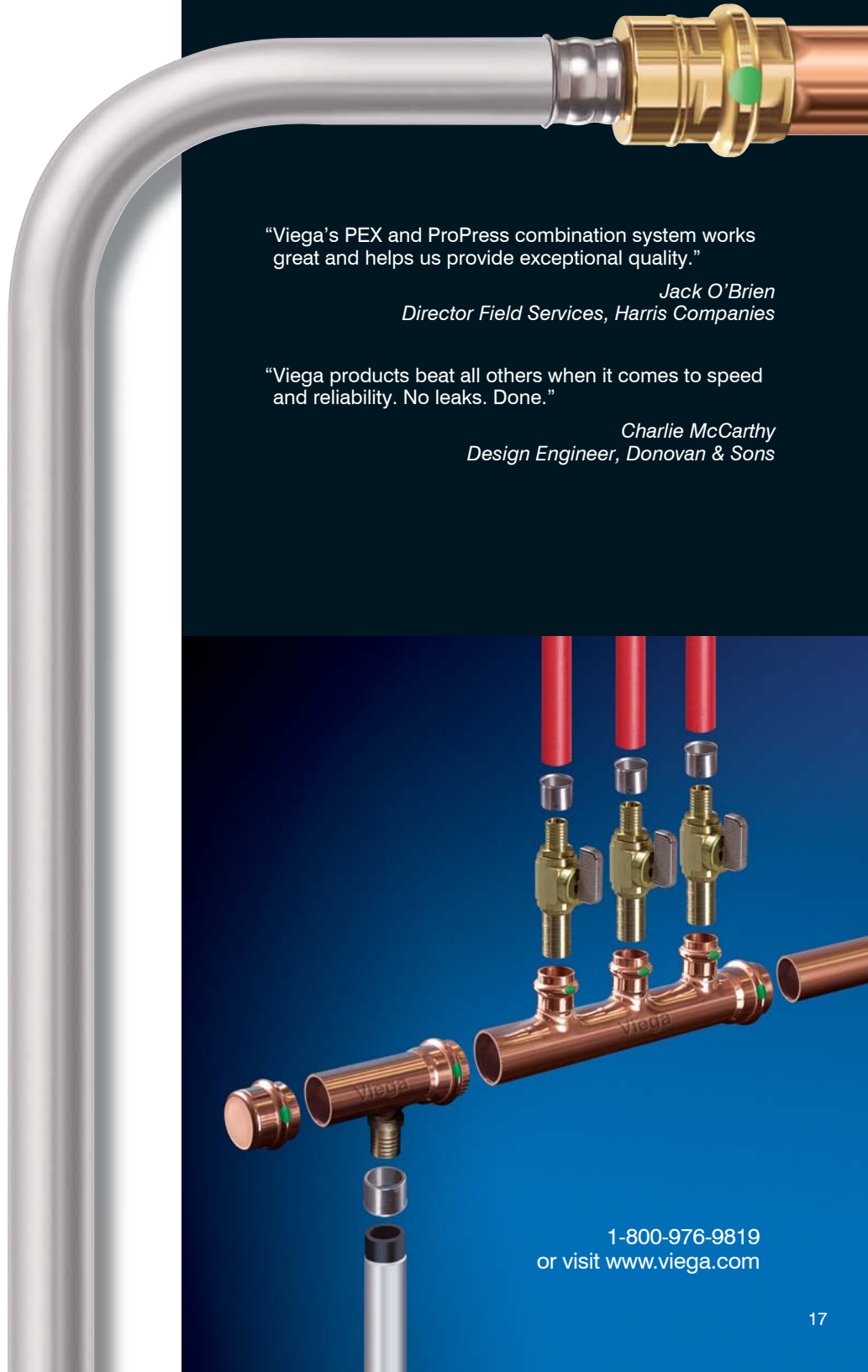


"Viega's PEX and ProPress combination system works great and helps us provide exceptional quality."

*Jack O'Brien
Director Field Services, Harris Companies*

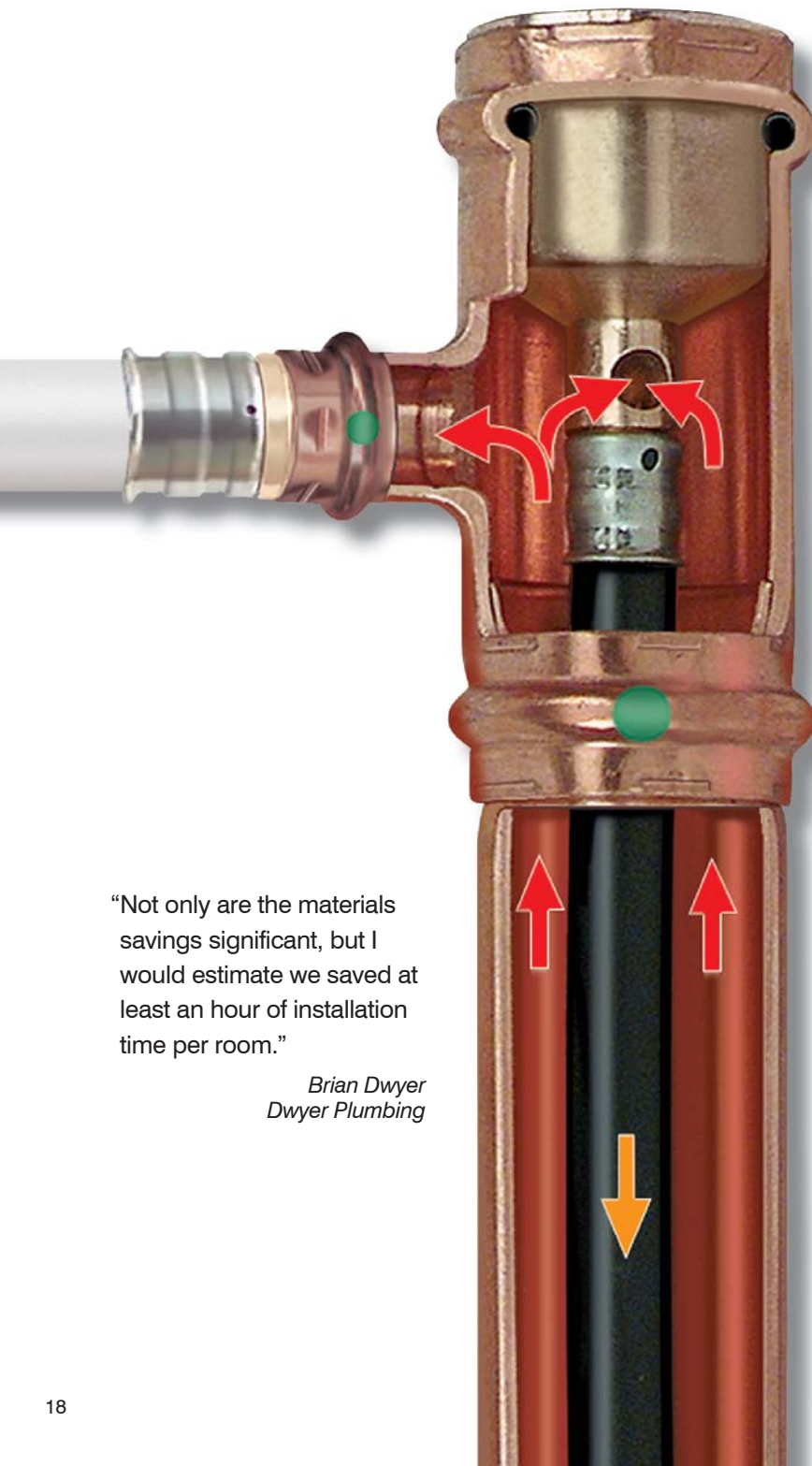
"Viega products beat all others when it comes to speed and reliability. No leaks. Done."

*Charlie McCarthy
Design Engineer, Donovan & Sons*



1-800-976-9819
or visit www.viega.com

Viega Internal Recirculation System ... another hybrid innovation.



“Not only are the materials savings significant, but I would estimate we saved at least an hour of installation time per room.”

*Brian Dwyer
Dwyer Plumbing*

Saves time, space, materials and energy.

- Reduces penetrations and core drilling
- Minimizes insulation on return lines
- Lowers heat loss on return line

Professional appearance.

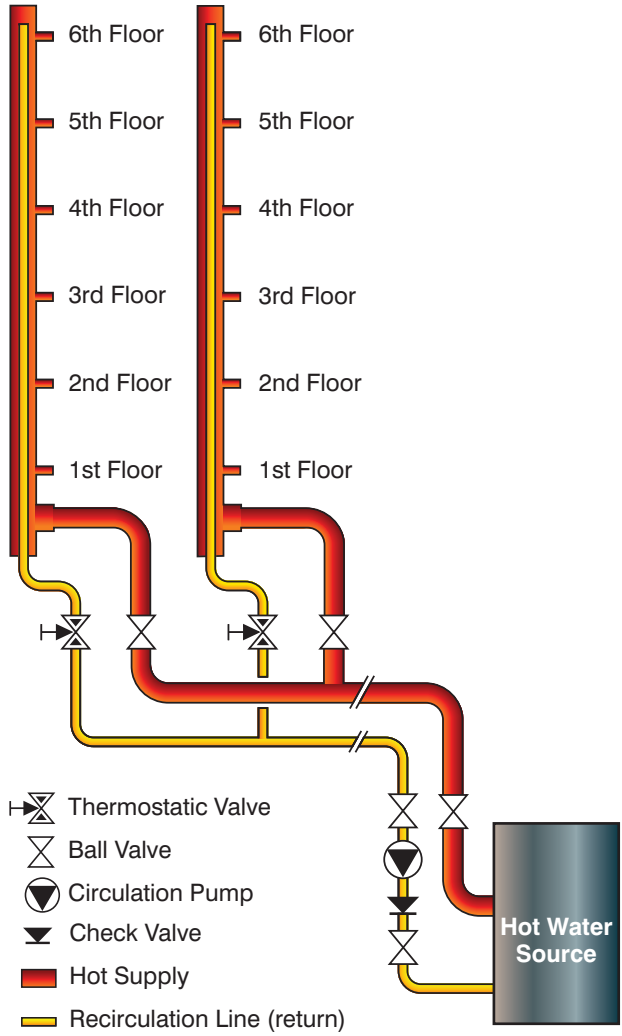
- Compact design
- Requires fewer fittings and supports

Proven press technology.

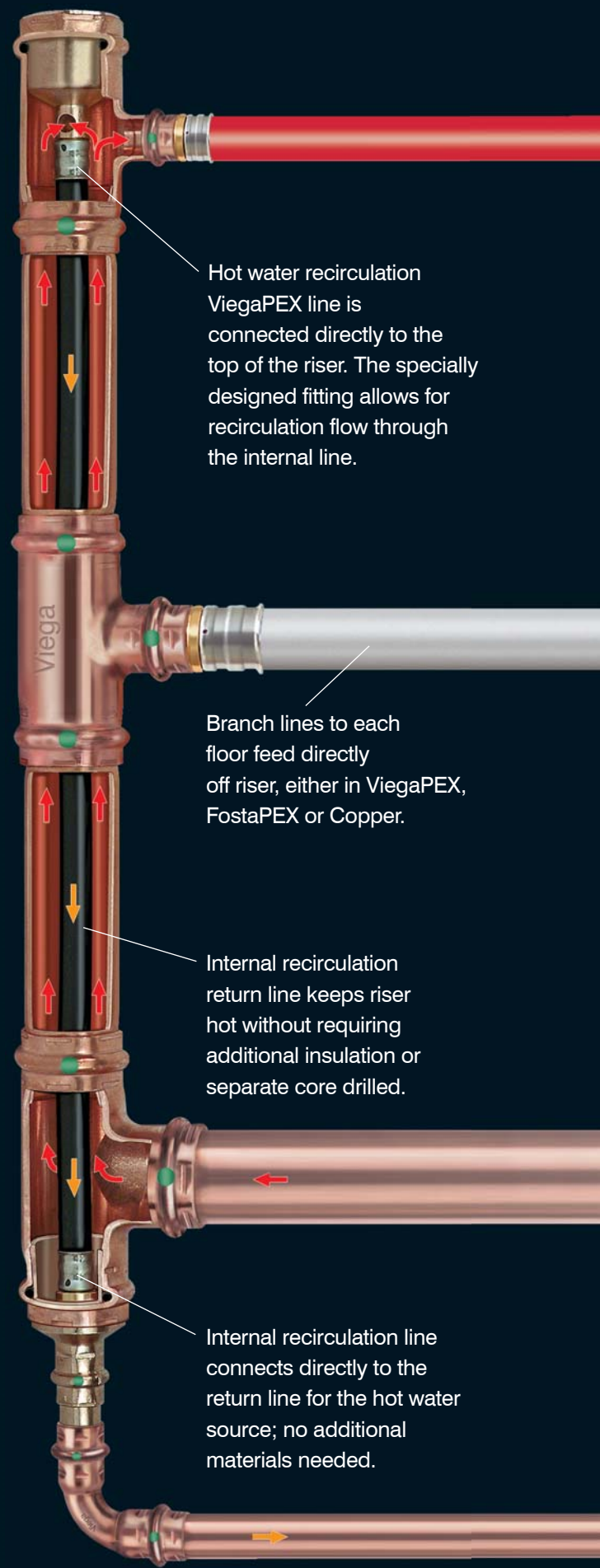
- No solder or flame



Viega's new Internal Recirculation System is an inside lying recirculation system, which uses the supply riser to insulate the internal recirculation piping. A 3/8" ViegaPEX return line is inside the riser and is insulated by warm water. This type of installation completely eliminates the need for an outside return pipe, creating an energy savings of 20 to 30 percent over a conventional circulation system.



1-800-976-9819 or visit www.viega.com



Viega ProPress Stainless System ... Fast. Flameless. And now Stainless.



The total
package:
fittings,
valves
and pipe.



Your connection to innovation.

The ProPress System, pioneered in Europe by Viega, is sweeping North America. In commercial and industrial installations, the ProPress System is the fastest, most reliable, flameless way to join stainless steel piping.

- Faster than welding or threading.
- Safer – no flame, no grinding.
- Cleaner – no welding rods, smoke or cutting oils.
- Complete – one source for fittings, valves and pipe.
- Convenient – same tool for copper and stainless.
- Over 25 years of proven performance worldwide.
- Highest quality stainless in two grades – 304 and 316.
- Patented Smart Connect® feature – only Viega fittings have it.
- Wide selection of sizes – 1/2" to 4".
- Meets and exceeds industry standards.
- Guaranteed reliability.

1-800-976-9819 or visit www.viega.com



Only Viega fittings offer the Smart Connect feature.



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



2 Upon identification, the "press" tool is used to press the fitting, making a permanent leak-proof connection.



3 ProPress connections are fast, flameless and more reliable.



Viega ProPress 304 and 316 Stainless.

Two stainless steel industrial grades ... one joining system.



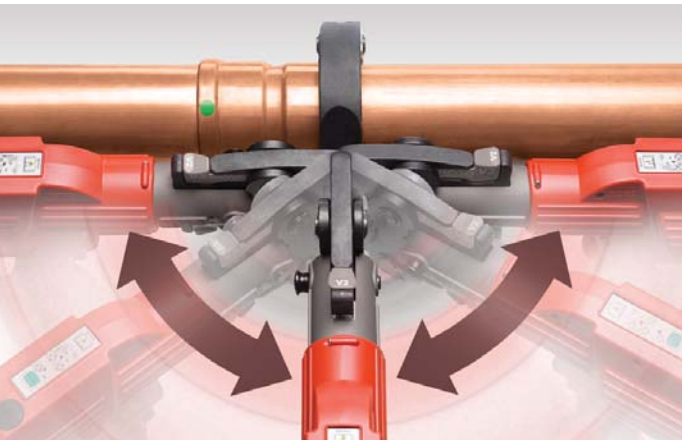
- System solution – pipe, valves and fittings
- Sizes – 1/2" to 4"
- Specialty fittings for instrumentation
- Sealing Elements to meet application needs – EPDM, HNBR and FKM

● Orange identifies ProPress Stainless Steel 304.

● Green identifies ProPress Stainless Steel 316.

Viega ProPress Systems offers the right tools and jaws for any pressing application.

The ProPress System is the result of a joint effort by two of the world's most recognized names in plumbing—RIDGID and Viega. Together, Viega fittings and RIDGID tools have revolutionized the industry with their fast, flameless, solderless press technology. The RIDGID tools, jaws, actuators and rings are system matched to the Viega fittings for a trouble-free connection every time. These two leaders continue to advance press technology, with features like the new 180° swivel for 1/2" to 2" fittings, making it even easier to press in tight spaces. Viega fittings and RIDGID tools have combined innovation and quality making ProPress the premier press system for contractors around the world.



Patented 180° swivel now available for 1/2" to 4" fittings and valves.

- Ball-tip actuator swivels 180° with 1/2" to 4" pressing rings.
- Same tools and jaws for copper and stainless steel fittings.
- Provides increased flexibility in tight spaces.
- Over a 20% reduction in actuator jaw weight for increased comfort.
- Exclusive identification clip to quickly identify the proper actuator jaw.



RIDGID is a registered trademark of Ridge Tool Company.

Tools and jaws recommended for ProPress, ProPressG and ProPress Stainless standard fittings and valves.

Three pressing tool options:

RP 330-B — ProPress Copper and ProPress Stainless 1/2" to 4"

RP 330-C — ProPress Copper and ProPress Stainless 1/2" to 4"

100-B — ProPress Copper, ProPress Stainless 1/2" to 1", and PureFlow PEX Press 3/8" to 1-1/2"

Actuator and ring kits — 1/2" to 2"

V1 Kit — Includes C1 Actuator (use with RIDGID 100-B tool), V1 Actuator (use with RIDGID RP 330-B and RP 330-C tools) and 1/2", 3/4", 1" and 1-1/4" Pressing Rings

V2 Kit — Includes V2 Actuator, 1-1/2" and 2" Pressing Rings for use with RIDGID RP 330-B and RP 330-C tools



Tools and jaws recommended for ProPress XL-C (copper) and ProPress XL-S (stainless) fittings.

XL-C (copper) and XL-S (stainless) fittings are only compatible with XL-C Pressing Rings and V2 Actuator. Press with either RIDGID RP 330-B or RP 330-C Press Tools.

ProPress 2-1/2" to 4" XL-C (copper) and XL-S (stainless) fittings must be installed with ProPress XL-C rings and V2 actuator jaw. Any deviation will result in an improper connection.



Tools and jaws recommended for ProPress XL (bronze) fittings.

XL (bronze) fittings are only compatible with XL Pressing Rings and R2 Actuator. Press with either RIDGID RP 330-B or RP 330-C Press Tools.

ProPress 2-1/2" to 4" XL (bronze) fittings must be installed with ProPress XL-rings and R2 actuator jaw. Any deviation will result in an improper connection.



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