



Viega
Commercial Solutions

The global leader
in plumbing, heating
and pipe joining systems

viega

A heritage of better ideas since 1899

Only the Viega Group offers a heritage of true innovation, from our humble beginning in 1899 to our current status as the global leader of plumbing, heating and pipe joining systems. Viega system solutions have surpassed the test of time for 115 years because our quality is superior, our customer service is individual and our products work together so installers can accomplish more. With trustworthy, total system solutions for nearly any application, Viega provides the products, the tools, the support and the quality you need to complete the job right the first time.

1899 **Viega's legacy begins**
Viega founder Franz-Anselm Viegener designs brass beer tap.

1901 **Focus on plumbing**
Viega begins to manufacture plumbing fittings for Germany.

1935 **Vision continues to grow**
Viega adds more products to increase opportunities for plumbers.

| 1900

| 1910

| 1920

| 1930

| 1940

| 1950

1950 **Global strategy broadens**
Viega expands to other countries in this decade.

1970 **A solution for everyone**
Viega invests in development of complete system solutions.

1989 **Revolutionizing the industry**
Viega teaches the world a new way to install plumbing and piping systems.

1999 **Celebrating 100 years**
The Viega Group introduces complete system concept in North America.

2008 **Outstanding solution provider**
Viega's North American company wins the ASPE Industry Award for the advancement of plumbing technology.

2009 **Quality PEX for total solutions**
Viega LLC produces 655 million feet of PEX tubing in the United States since 2006.

2010 **Zero Lead solutions**
Viega finishes first in the race to offer a complete lead-free system in North America.

2011 **Resources to succeed**
The Viega Group offers 23 million square feet of production and logistics facilities worldwide.

2012 **One source, many materials**
Viega manufactures the first carbon steel press fitting for use in gas applications, Viega MegaPress.

2013 **Building the future with training**
Viega Educational Facility hosts nearly 15,000 guests since opening.

1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020



The Viega Advantage

You can trust our products

Viega's standard of excellence demands perfection in every solution we engineer. With more than 1,700 different metal fitting configurations and the Viega Smart Connect feature, the only guaranteed method in the industry to identify unpressed connections, Viega system solutions are backed by written warranties up to 50 years based on application. Whether you choose Viega ProPress, Viega MegaPress, large diameter Viega PEX Press or Viega ProRadiant climate control systems, if it has Viega's name on it, you can trust it, just like millions of professionals around the world have for 115 years.

You can trust our people

Quality assurance in Viega products is unquestioned; the same is true of our employees. Viega provides unparalleled service and support. Your local Viega representatives are supported by the strength and resources of a company that's been going strong for more than a century. When you need sales support, technical support, educational support or business support, Viega can get you the answers you're looking for.

You can trust our processes

Viega system solutions don't just happen; they are engineered, manufactured and tested over and over again. True quality means never compromising on what matters, like standards, reliability and performance and Viega products aren't perfect until they exceed all three. But Viega's dedication to excellence doesn't end with manufacturing. With four strategically located distribution centers, Viega delivers to customers faster than our competition, shipping products in 24 hours or less. The Viega Supply Chain provides reliable service to keep distributors stocked and projects on schedule.

You can trust our promise

To Viega, quality is more than a statement; it's a promise. Viega's dedication to the industry has demonstrated that innovation and integrity can perform without compromise.

One source,
multiple solutions



Viega manufactures and distributes complete system solutions engineered to integrate. Whether you are installing a potable water line in a restaurant or specifying a natural gas line for a hospital, Viega offers a solution that reduces labor and provides guaranteed peace of mind. With a wide range of adapters for each material, all Viega press fitting solutions can work together.

Join different piping materials with the same trusted technology

Viega offers the same proven press technology in copper, stainless steel, carbon steel and even high-performance polymer. Viega ProPress for copper and stainless and Viega MegaPress for black iron help reduce installation time up to 60% and are approved for use in the largest range of applications in the industry. With the first press fitting for PEX tubing, Viega PEX systems are available in sizes up to 2" to meet all your commercial potable water needs. Viega ProPress, Viega MegaPress and Viega PEX Press polymer fittings help installers finish a job with confidence, using the patented Viega Smart Connect feature which allows easy identification of unpressed fittings.

Heat and cool with energy-efficient radiant systems

Viega ProRadiant heating and cooling systems are highly engineered to be user friendly. From start to finish, Viega offers the highest-quality, most complete radiant heating systems in the industry with PEX tubing, manifolds, controls and innovative mat systems. Whether the project is installing hydronic radiant heating in a warehouse or radiant snow melting in a parking lot, Viega provides everything you need.

Introducing Viega ProPress ball valves for Zero Lead

Viega is the only manufacturer with a line of lead-free ball valves specifically designed for press technology. Made from our unique silicon-bronze alloy, engineered specifically for press systems, these ball valves provide the same quality, reliability and performance as all of our Viega ProPress fittings.

- A variety of configurations, P x P, P x NFPT and P x Hose Thread
- Designed with a standard 316 stainless steel ball
- Choice of P x P valve stem in Eco Brass® or stainless steel
- Available in varying sizes from 1/2" to 2"



Eco Brass® is a registered trademark of Chase Brass and Ingot Metal Co.

Superior performance with Viega press systems

Viega introduced press technology to North America in 1999. Now, 15 years later, Viega press technology has made consistent, secure connections possible on copper, stainless (304 and 316) up to 4" and black iron and PEX up to 2". Viega offers the variety installers need for nearly any application, including press ball valves in stainless and Zero Lead bronze.

Not only are all Viega press systems designed to work together, they can all be installed with the same power tools. One press tool can make connections on Viega ProPress, Viega MegaPress and Viega PEX Press systems by simply changing jaw sets.

- NSF-approved materials like polymer, copper and 316 stainless
- The only carbon steel press fitting for gas applications
- Meets or exceeds the strictest codes and standards in North America
- Extensive line of versatile valves
- The widest range of Zero Lead press fitting solutions in the industry

Viega ProPress, Viega MegaPress and Viega PEX Press polymer systems offer the patented Viega Smart Connect feature, the only guaranteed method in the industry to identify an unpressed connection.



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



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



Pressed
Viega Press connections are fast, flameless and guaranteed.

Solutions that exceed your expectations

Viega ProPress and Viega MegaPress fittings have been tested to the strictest standards in North America. Viega ProPress in copper and in two grades of stainless steel, 304 and 316, is suitable for nearly any application, from potable water in commercial projects to corrosive chemicals in industrial projects. Viega MegaPress is the only press fitting system for black iron pipe that can be installed in both water and gas applications, residential, commercial or industrial.

Approvals and Certificates for North America

| | | | | | |
|---|--|---|---|--|---|
|  | <p>ASTM A240 ASTM A312 ASTM A403 ASTM A554</p> |  | <p>CRN – Canadian Registration Number</p> | <p>Viega ProPress and Viega MegaPress fitting systems are also compliant with the following:</p> | |
|  | <p>ASME B31.1 ASME B31.3 ASME B31.9</p> |  | |  | <p>ICC International Plumbing Code</p> |
|  | <p>American Bureau of Shipping</p> |  | <p>CLASS 3305 11 3305 91</p> |  | <p>Uniform Mechanical Code</p> |
|  | <p>NSF-61 Annex-G Zero Lead Components</p> |  | <p>UL</p> |  | <p>UPC Uniform Plumbing Code</p> |
| | |  | <p>FM</p> |  | <p>PHCC National Standard Plumbing Code</p> |

Contact your local Viega district manager for details on local approvals.

Versatile options to choose from

With a variety of sealing elements, Viega ProPress systems are approved for more applications than any other press system, ranging from potable water to corrosive chemicals. A proven pipe joining method used around the world, Viega ProPress technology increases the benefits to installers and specifying engineers.

Viega ProPress fittings are available with EPDM, HNBR and FKM sealing elements. Viega MegaPress fittings are available with EPDM and HNBR sealing elements.



EPDM Sealing Element



HNBR Sealing Element

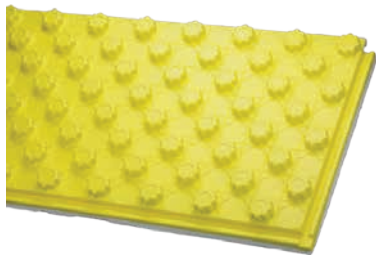


FKM Sealing Element

| Types of Service | System Operating Conditions | | | ProPress 304 Stainless | ProPress 316 Stainless | | ProPress | ProPressG | MegaPress | MegaPressG |
|--|--|--------------|-------------|------------------------|------------------------|-----|----------|-----------|-----------|------------|
| | Comments | Pressure | Temperature | FKM | EPDM | FKM | EPDM | HNBR | EPDM | HNBR |
| Fluids/Water | | | | | | | | | | |
| Hot and Cold Potable Water | | 200 PSI | 32°F-250°F | | √ | | √ | | | |
| Rainwater/ Gray Water | | 200 PSI | Note *4 | | √ | √ | √ | √ | √ | √ |
| Fire Sprinkler | | 175 PSI | Note *4 | √ | | | √ | | √ | |
| Chilled Water | Ethylene Glycol / Propylene Glycol | 200 PSI | Note *4 | √ | √ | √ | √ | | √ | |
| Hydronic Heating | Ethylene Glycol / Propylene Glycol | 200 PSI | Note *4 | √ | √ | √ | √ | | √ | |
| Cooling Water | Up to 50% Ethylene Glycol or Propylene Glycol solution | 200 PSI | Note *4 | √ | √ | √ | √ | | √ | |
| Deionized Water | | 200 PSI | 158°F | | √ | | | | | |
| Low-Pressure Steam | | Up to 15 PSI | 248°F | √ | √ | √ | √ | | √ | |
| Isopropyl Alcohol | | 200 PSI | 75°F | | √ | | | | | |
| Latex Paint | | 200 PSI | 32°F-250°F | | √ | | | | | |
| Methyl Ethyl Ketone | | 200 PSI | 230°F | | √ | | | | | |
| Nitric Acid | 10% | 200 PSI | 73°F | √ | √ | √ | | | | |
| Phosphoric Acid | 25% | 200 PSI | Ambient | | √ | | | | | |
| Lactic Acid | 35% | 200 PSI | 120°F | | | √ | | | | |
| Paraffin Wax | | 200 PSI | 100°F | √ | | √ | | | | |
| Fuel, Oil and Lubricant | | | | | | | | | | |
| Heating Fuel Oil | | 125 PSI | Note *4 | √ | | √ | | √ | | √ |
| Diesel Fuel | | 125 PSI | -40°F-180°F | √ | | | | √ | | √ |
| Ethanol | Pure Grain Alcohol | 200 PSI | Note *4 | | √ | | √ | | | |
| Liquid Propane | Compliant with CSA LC4 | 125 PSI | -40°F-180°F | | | | | √ | | √ |
| Liquid Butane | Compliant with CSA LC4 | 125 PSI | -40°F-180°F | | | | | √ | | √ |
| Kerosene | | Note *4 | 68°F | √ | | √ | | √ | | √ |
| Lube Oil | Petroleum Based | 200 PSI | Note *4 | √ | | √ | | √ | | √ |
| Gases | | | | | | | | | | |
| Compressed Air | Less than 25mg/m ³ oil content | 200 PSI | Note *4 | √ | √ | √ | √ | √ | √ | √ |
| Compressed Air | More than 25mg/m ³ oil content | 200 PSI | -40°F-180°F | √ | | √ | | √ | | √ |
| Natural Gas | Compliant with CSA LC4 | 125 PSI | -40°F-180°F | | | | | √ | | √ |
| Oxygen - O ₂ (nonmedical) | Keep oil and fat free / non-liquid O ₂ | 140 PSI | Up to 140°F | | √ | | √ | √ | √ | √ |
| Nitrogen - N ₂ | | 200 PSI | Note *4 | √ | √ | √ | √ | √ | √ | √ |
| Carbon Dioxide - CO ₂ | Dry | 200 PSI | Note *4 | | | √ | √ | √ | √ | √ |
| Ammonia | Anhydrous | 200 PSI | 122°F | √ | | √ | | √ | | √ |
| Acetylene | | 200 PSI | 86°F | √ | √ | √ | | | | |
| Argon | Welding Use | 200 PSI | Ambient | | √ | | √ | √ | √ | √ |
| Hydrogen - H ₂ | | 125 PSI | 0°F-250°F | | √ | | √ | √ | √ | √ |
| Vacuum | | 29.2 in Hg | Note *4 | √ | √ | √ | √ | √ | √ | √ |
| Notes: Specialty seals are field installed and are not compatible with XL (copper), or XL (stainless) fittings. | | | | | | | | | | |
| 1. 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. | | | | | | | | | | |
| 2. Consult the Viega Technical Support Department for information on application temperature, pressure and concentration limits and applications not listed. | | | | | | | | | | |
| 3. All Viega ProPress systems must be used with the manufacturer's recommended sealing element. Contact your local Viega representative for applications not listed or for more information on material compatibility. | | | | | | | | | | |
| *4. System pressure and temperature ranges depend on sealing element. | | | | | | | | | | |

1 Insulated Panel

- Incorporates R-10 insulation, grid and vapor barrier
- All-in-one solution streamlines installation



Efficient engineered solutions Viega installations for light commercial

2 Manifold Cabinet

- Central location for manifolds and control wiring
- Attractive accessory to finish radiant heating installation



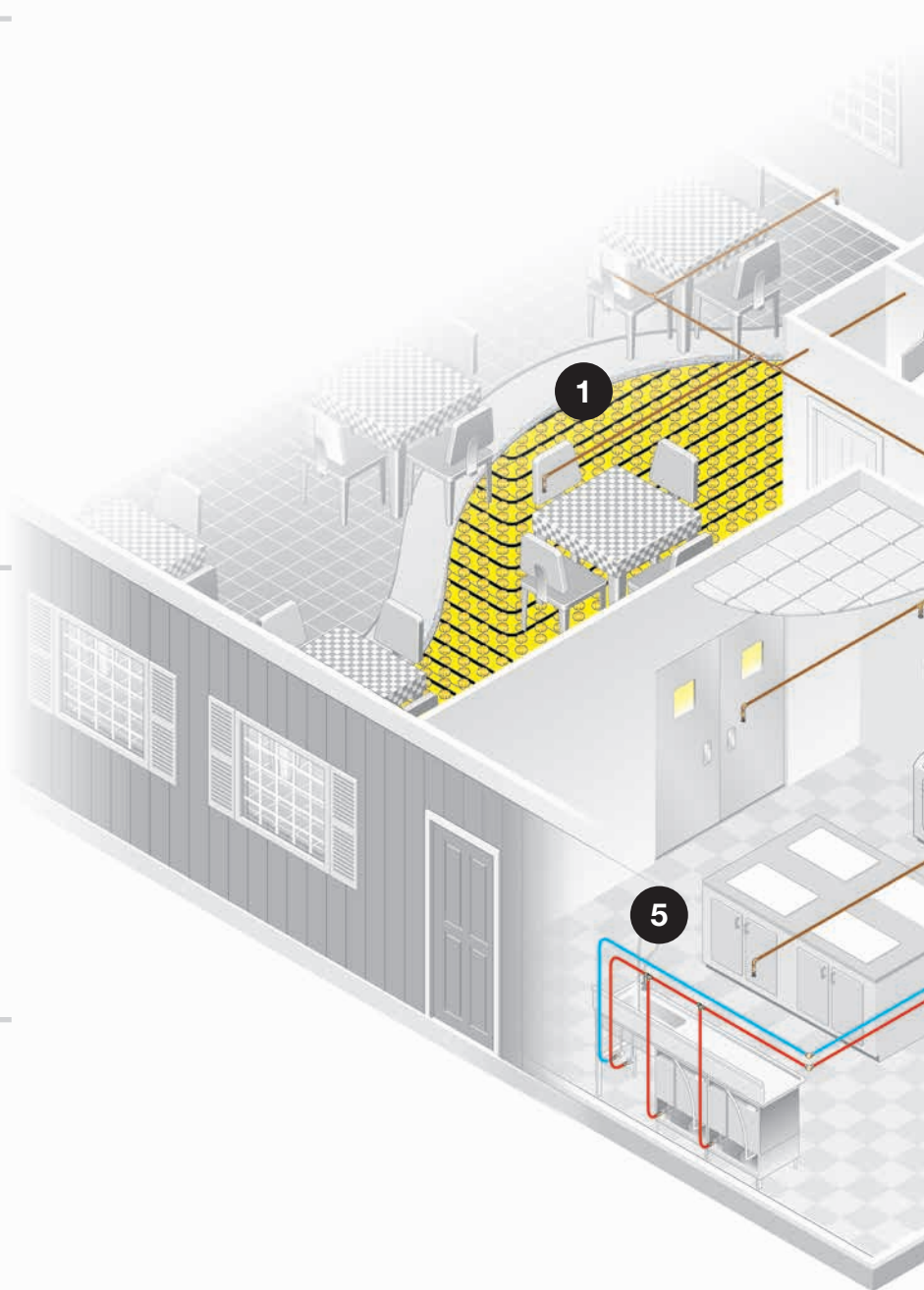
3 Viega MegaPressG Tee

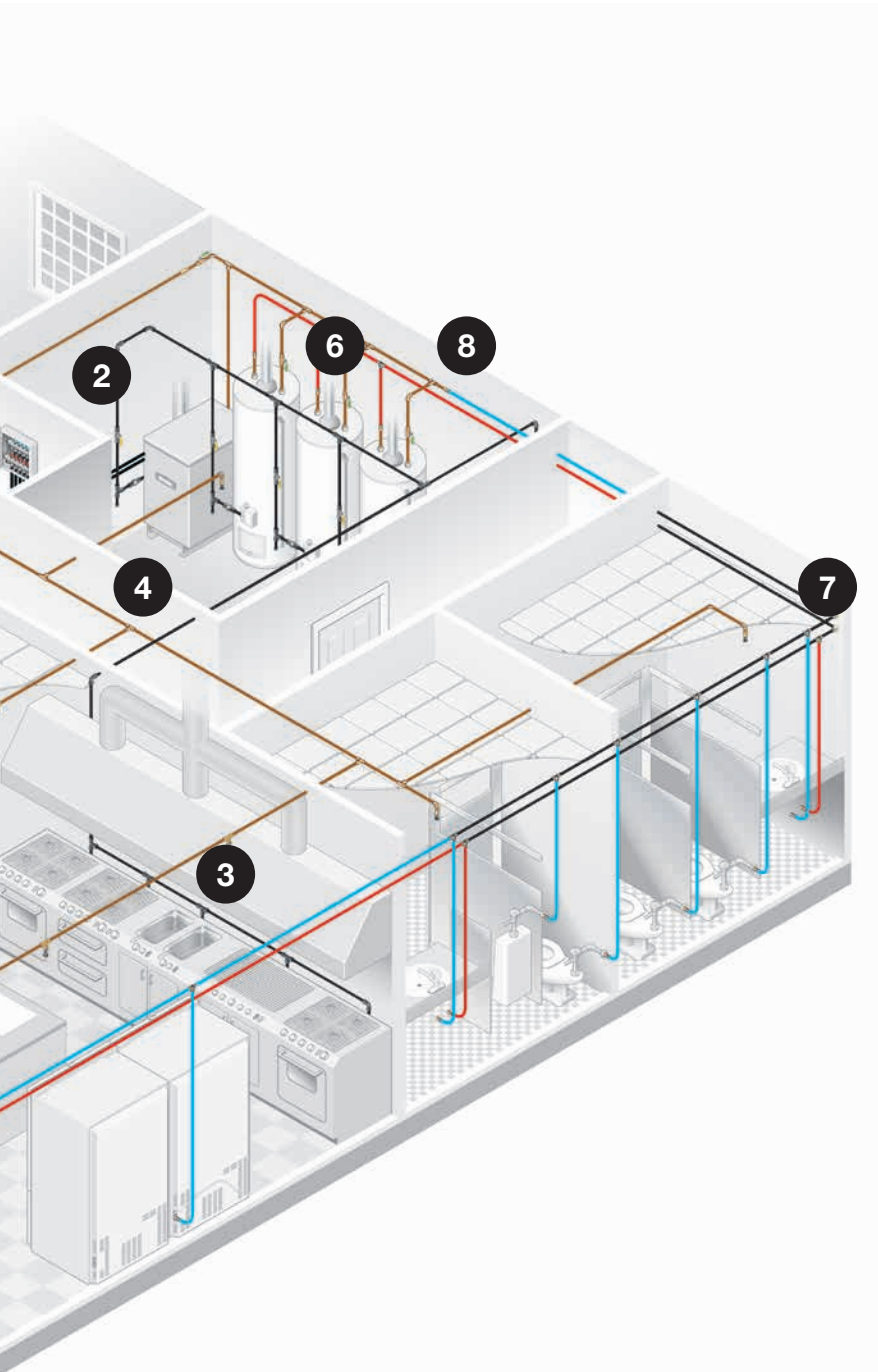
- The only carbon steel press fitting system for gas
- Available in 124 different fitting configurations



4 Viega ProPress Tee

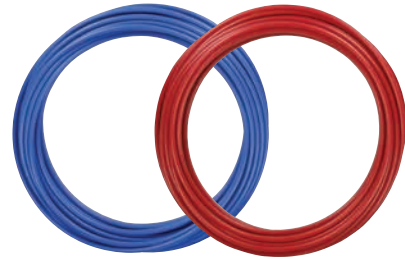
- Widest variety of sizes on the market
- More than 600 different copper fitting configurations





5 ViegaPEX Tubing

- Highest rated UV and chlorine resistance in the industry
- Available in sizes 3/8" to 2"



6 Viega ProPress Ball Valve in Zero Lead

- Complete lead-free plumbing systems available in multiple materials
- Unique Viega Zero Lead material with stainless steel ball standard



7 Viega PEX Press Elbow 90°

- Increased flow opportunities
- Factory-assembled fittings reduce job site errors



8 Viega PEX Press Adapter

- Easily transition from copper to ViegaPEX tubing
- Reliable performance from superior Zero Lead material



- 1 ViegaPEX Barrier Tubing**
- UV rating up to six months
 - 30 year warranty on Viega PEX Barrier tubing



- 2 Copper Manifold**
- Assembled manifolds with attached Viega PEX Press connections
 - High flow capacity for commercial projects



- 3 Viega MegaPress Tee**
- Easily transition from black iron press connection to female pipe thread
 - No manual tightening required to connect

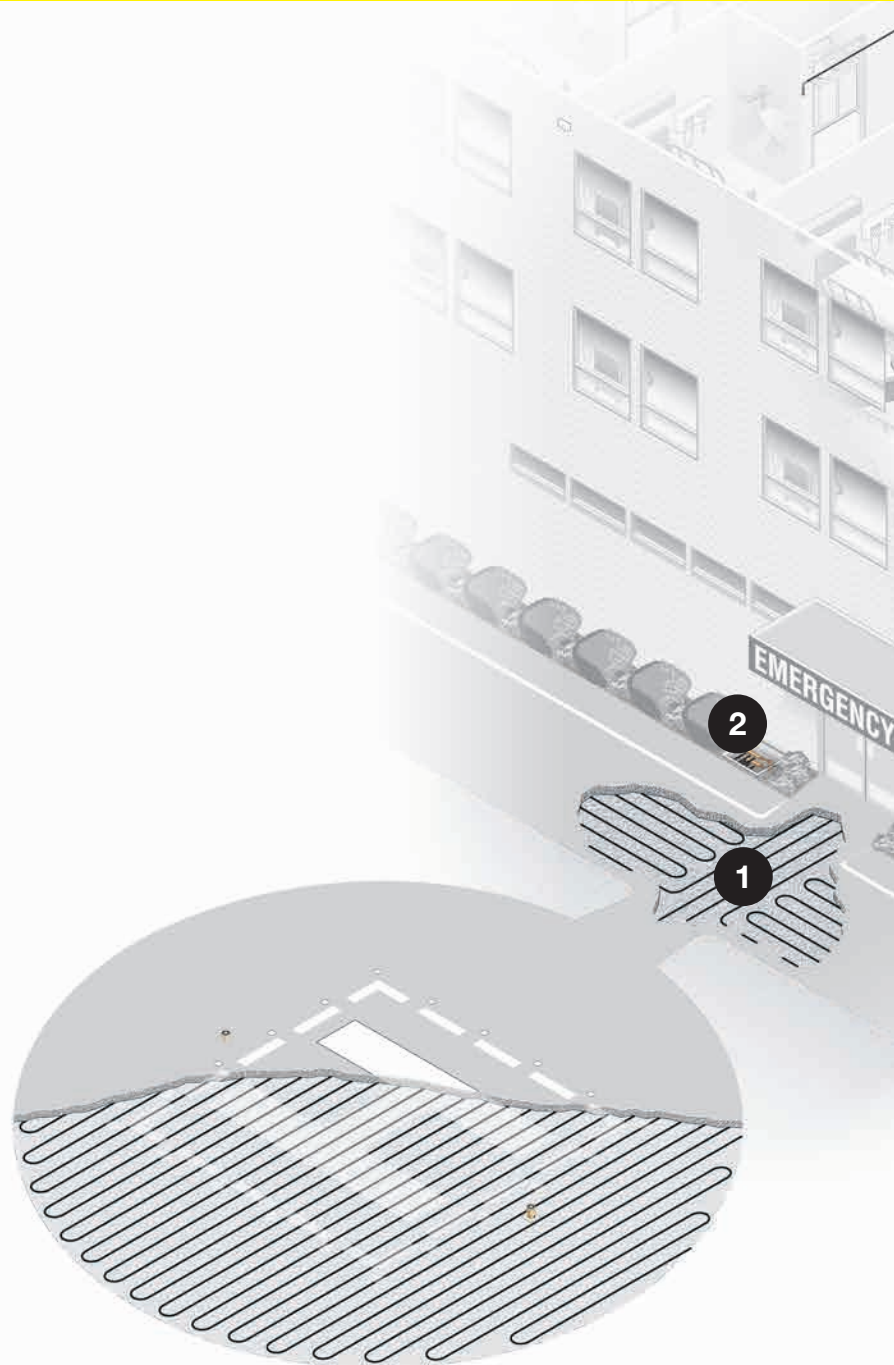


- 4 Viega MegaPressG Elbow 90°**
- Make secure black iron connections in less than seven seconds
 - Eliminates threading and dirty cutting oils



Critical expectations

Viega installations for medical facilities





- 5 Viega MegaPressG Union**
- Reduces installation time by as much as 60%
 - For use with Schedule 5 to Schedule 40 black iron pipe



- 6 Viega ProPress Flange XL**
- Easily transition from existing systems
 - Available in 304 and 316 stainless steel



- 7 Viega ProPress Adapter**
- Easily transition from stainless 316 press connection to female pipe thread
 - No fire watches or burn permits needed



- 8 Viega ProPress Ball Valve**
- Complete lead-free plumbing systems available in multiple materials
 - Connections can be made wet or dry



1

Snow Melt System

- Keeps walking areas free of ice and snow accumulation
- System activation through automatic sensing of precipitation



Proven peace of mind
Viega installations for hospitality

2

Viega MegaPress Tee

- Make secure, consistent connections in less than seven seconds
- Provides peace of mind and reduces callbacks



3

Viega MegaPressG Adapter

- Perfect for gas systems and fuel oil systems
- Make secure, consistent connections on sizes 1/2" to 2"

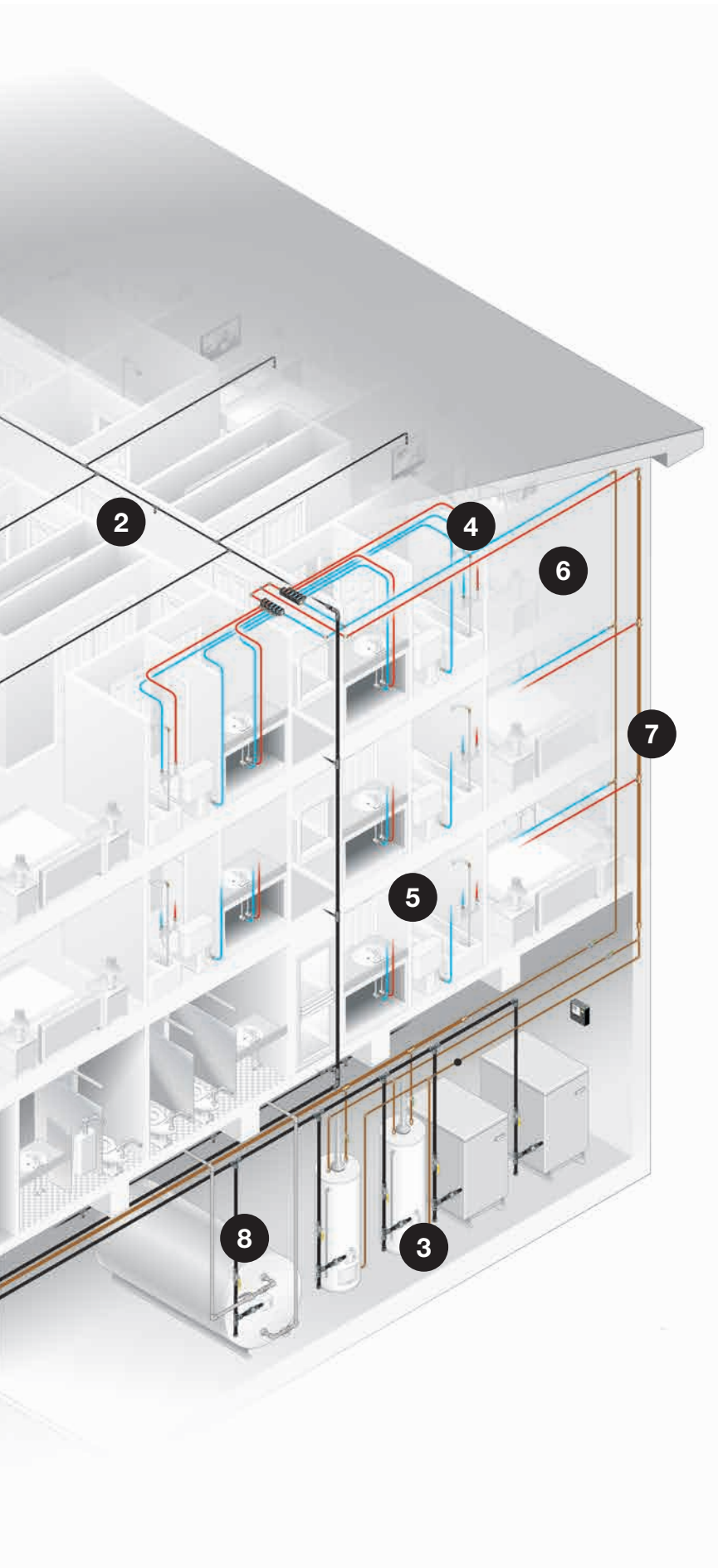


4

Viega ProPress Elbow 90° Hi Ear

- Easily transition from press connection to female pipe thread
- Patented Zero Lead bronze material





5 Viega MiniBloc Zoning Manifold

- High quality combination manifold system
- Reduces water waste and saves energy



6 Viega PEX Press Adapter

- Only one tool needed to transition from copper to ViegAPEX
- Tool locator ring helps ensure correct alignment



7 Viega ProPress SmartLoop

- Water and energy savings up to 40%
- For hot water risers with internal circulation piping



8 Viega ProPress Ball Valve

- Provides fast connections for maintenance applications
- Reduces downtime during installation



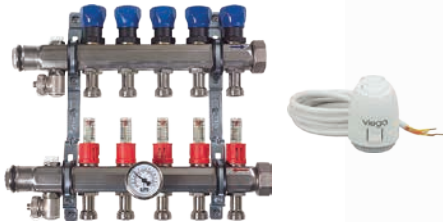
1

Stainless Manifold with Optional Powerhead

- Integrated balancing valves, air bleeder and purge valves for easy system startup
- Preassembled and ready to mount for easy installation in hydronic systems

Powerhead

- Allow for flexibility of zoning and control
- Very low power consumption for energy savings



Learn the value of technology
Viega installations for schools

2

Viega MegaPress Tee

- Secure black iron pipe installation with no manual tightening
- Only carbon steel press fitting with UL and FM approval



3

Viega ProPress Tee XL

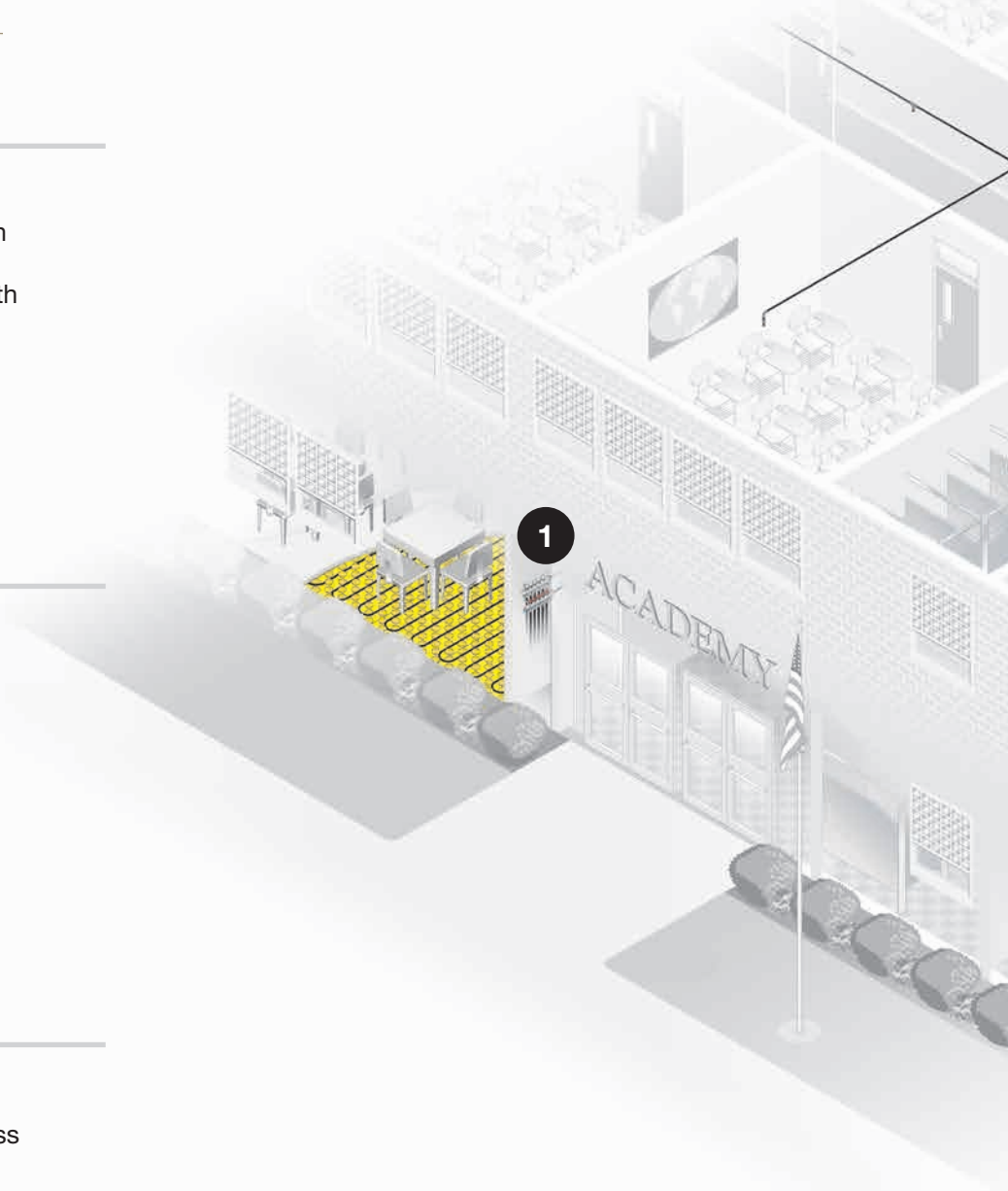
- Trustworthy connections without sweating, brazing or grooving
- Complete stainless solution – pipe, valves and fittings

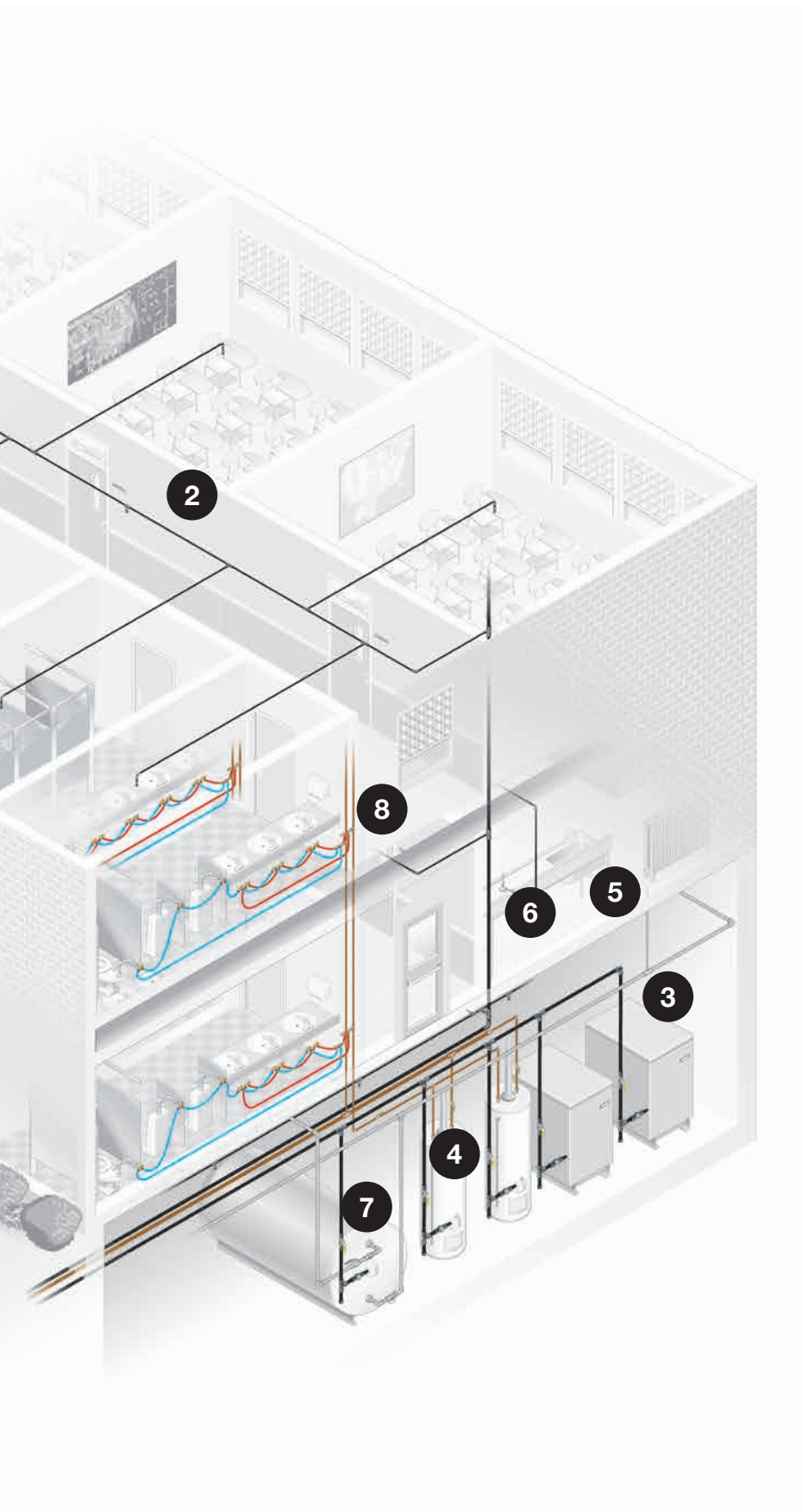


4

Viega ProPress Union ZL

- Easily transition from copper press connection to female pipe thread
- Available in sizes 1/2" to 2"





- 5** **Viega MegaPressG Elbow**
- The only carbon steel press fitting system for gas
 - Available in 124 different fitting configurations



- 6** **Viega MegaPressG Adapter**
- Reliable joints in less than seven seconds
 - Easily transition from black iron pipe connection to female pipe thread



- 7** **Viega ProPress Flange XL**
- Reduces installation time
 - Large diameter flanges available in sizes 2½" to 4"



- 8** **Viega ProPress Tee**
- Widest variety of fitting configurations on the market
 - The original copper press fitting solution



- 1 Viega Mat**
- Delivered pressurized to the job site
 - Keeps job on or ahead of schedule



Winning solutions

Viega installations for sports complexes

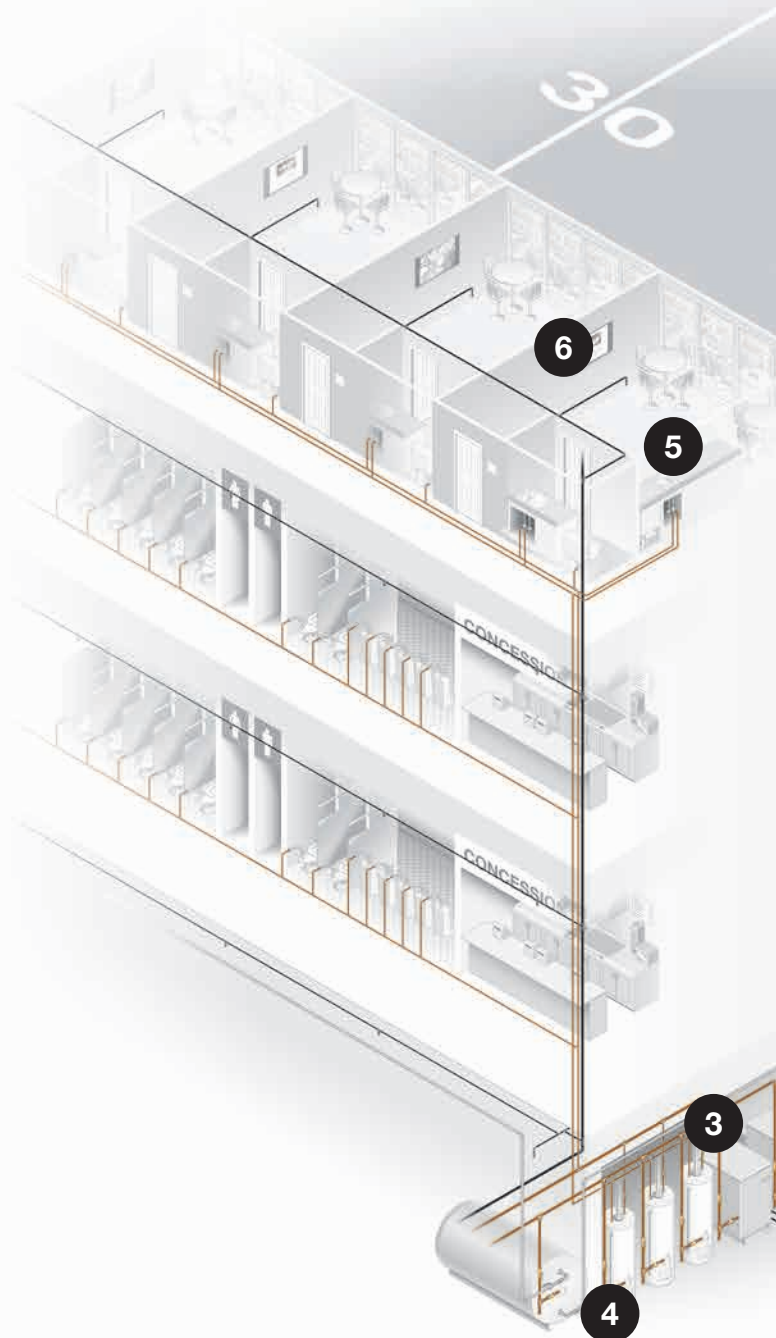
- 2 Viega PEX Press Tee**
- Identify unpressed connections with Viega Smart Connect feature
 - Available in 3/8" to 2"

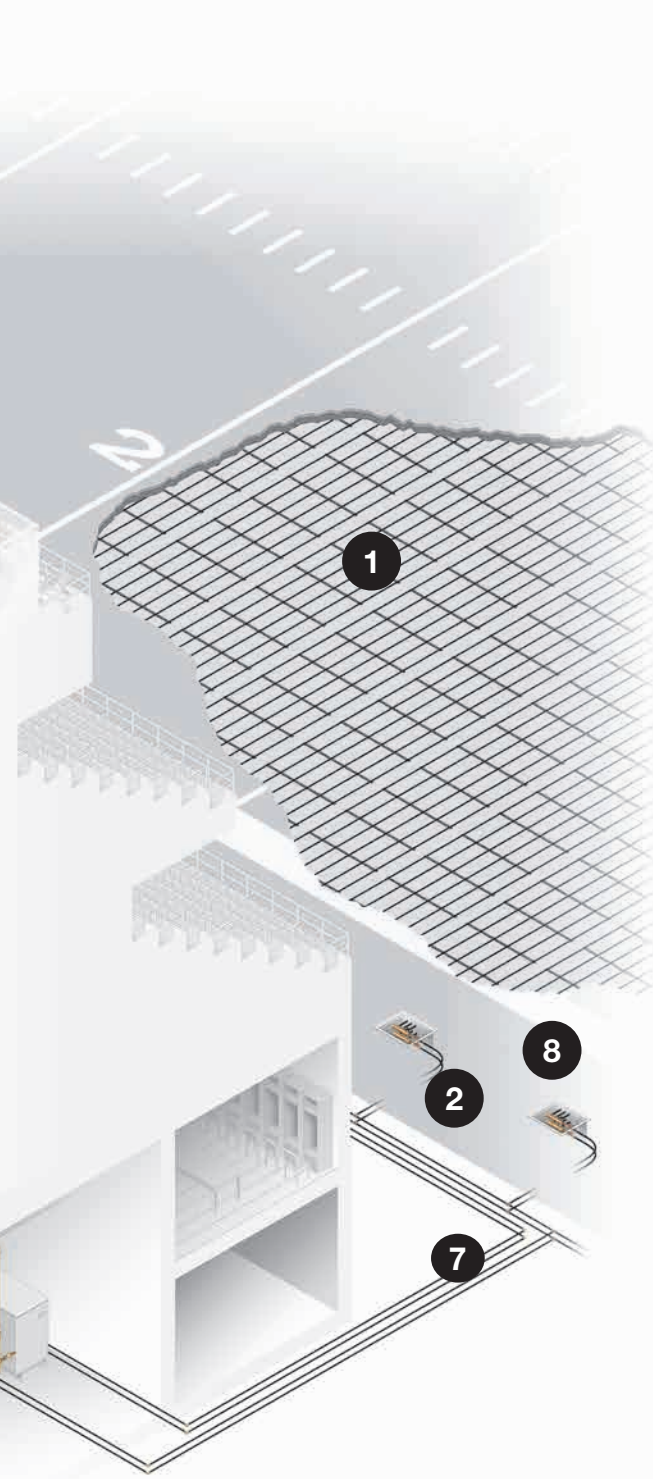


- 3 Viega ProPressG Ball Valve**
- Perfect for heating, fire protection or gas systems
 - No flame, solder, flux or heavy equipment needed



- 4 Viega ProPressG Union**
- Secure, airtight connections in less than seven seconds
 - More than 600 engineered copper press fitting configurations





- 5 Viega ProPress Elbow 90° (Drop Ear)**
 - Easily transition from copper press connection to female pipe thread
 - Integrated mounting plate



- 6 Viega MegaPress Tee**
 - Multiple configurations for versatile sizing
 - Allow easy pre-fabbing



- 7 ViegaPEX Barrier Tubing**
 - 30 year warranty
 - Allows for long runs of tubing without fittings



- 8 Copper Manifold**
 - Can be cut to size for any project
 - High flow capacity for commercial applications



The right tools for the job

Viega press fitting systems are designed to integrate and our preferred press tools for installing Viega systems are designed the same way. One press tool can make connections on Viega ProPress, Viega MegaPress and Viega PEX Press systems, simply by changing jaw sets.

Viega has partnered with RIDGID since 1999 to offer system-matched tools for each of our engineered press fitting systems. With jaws and rings in sizes ranging from 3/8" to 4", these tools can accommodate nearly every type of plumbing, heating or pipe joining project.

Viega and RIDGID engineers develop press tools that work together seamlessly with all Viega press fittings. RIDGID press tools have been used to install hundreds of millions of Viega fittings across North America for more than a decade. The result is a reliable, versatile set of products that work on any job site, in any condition, for any application.



| Press tool | RP 340 | | RP 210-B | | RP 200-B | |
|--------------------|------------------------------------|---|---|-----------------|---|-----------------|
| Capacity | 1/2" - 2" | 1/2" - 4" | 1/2" - 1 1/4" | 3/8" - 1 1/2" | 1/2" - 1 1/4" | 3/8" - 1 1/2" |
| Systems | Viega MegaPress Viega PEX Press | Viega ProPress for copper Viega ProPress for stainless | Viega ProPress for copper Viega ProPress for stainless | Viega PEX Press | Viega ProPress for copper Viega ProPress for stainless | Viega PEX Press |
| Form Factor | Pistol Grip | | Pistol Grip | | In-line | |
| Battery | 18V Li-Ion | | 18V Li-Ion | | 18V Li-Ion | |
| Corded | Optional AC Power Adapter | | NA | | NA | |

Viega delivers – fast, efficient and complete

Viega operates four state-of-the-art, strategically located distribution centers that can ship products complete to the customer within 24 hours of receipt of the order. This innovative supply chain concept keeps distributors stocked and projects on schedule. Viega's four distribution centers, in nearly every corner of the country, allow us to serve the majority of our customer base with 48-hour coverage from receipt of order to arrival.

To Viega, quality is everything. We want to ensure that customers receive the best products and service possible. The Viega Supply Chain is ISO 9001:2008 certified, along with all Viega manufacturing and distribution facilities in the United States.

Even with trustworthy, high-quality products and support that not only meets but exceeds industry expectations, the Viega Supply Chain is committed to continuous improvement in every area. The Viega Supply Chain isn't satisfied until the customer is. That's why the best supply chain in the industry will keep getting better.



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The term Viega does not apply to a specific company within the various separate and distinct companies comprising the Viega group of companies. The term Viega as used in this publication refers to the Viega brand itself or generally to the Viega group of companies. References to activities in North America specifically refer to activities of Viega LLC.

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