

**Viega Propress**

Efficient copper press technology.  
Made in Germany.



**viega**



**Viega.**

# CONNECTED IN QUALITY.

Viega is convinced: Quality is everything. Without quality, everything means nothing. That is why the company strives to exceed itself each and every day. By means of regular dialogue with its customers, by developing better products and service features and by an approach to the future that does not lose sight of its past.

Viega has been connected in quality for over 120 years. It all began with the vision of revolutionising installation technology. With over 4,000 employees and ten locations, we have progressed to become a global market leader in the installation technology sector while still remaining true to our principles and setting our own high standards.

It is of importance to Viega to support its customers in their daily work. To this end, it shares its knowledge with customers all over the world, matches materials, technology and comfort, takes time for quality management and invests in research and development. The result: a perfectly coordinated system providing customers fast and reliable access to over 17,000 products.

**Quality is everything. Without quality, everything means nothing.**



# CONTENTS

6

Viega Propress  
World Class: The system from the global market leader.

7

Viega Propress  
In a class of its own

8

Viega press fittings with Smart Connect feature.

9

Twice the time savings:  
Viega press technology.

10

Viega Propress  
Optimum conditions for best drinking water quality.

12

Viega Propress G  
Maximum safety for gas installation.

14

The product range



## Viega Propress

# WORLD CLASS: THE SYSTEM FROM THE GLOBAL MARKET LEADER.

Based on continuous innovation and top product quality, Viega has become the global market leader in metal press connector systems. Whether for the Elbphilharmonie in Hamburg, the Statue of Liberty in New York, the International Towers at Barangaroo or a family home: Anyone installing Viega Propress can always rely on outstanding quality.



## Viega Propress

# IN A CLASS OF ITS OWN.

Viega Propress – the name stands for efficient press technology and exceptionally reliable material quality. This system also sets standards for safety and easy installation.

### Flexibility for all dimensions

Viega Propress offers the highest degree of flexibility for gas and drinking water installations. This is guaranteed with multiple components that are suitable for dimensions from DN 15 to DN 100. Each individual component benefits from a failsafe safety factor: the Viega Smart Connect Feature (Fig. 1).

### Uncompromising quality made of copper

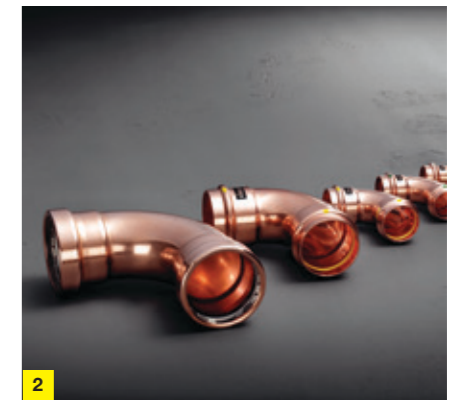
Viega consistently relies on the ultra hygienic material of copper for Propress (Fig. 2). This material facilitates hygienic installation and guarantees reliable material quality, a long lifespan and tremendous versatility.

### Safe connection

Another important aspect of Viega press systems is the press machine (Fig. 3). This enables double pressing of each connection at the front and behind the sealing element bead. The tools provide a reassuring acoustic sound of a professional installation.

### Mistakes are out of the question

All Viega Propress fittings are hygienically packed and supplied in a bag. Distinctive colour coding on the packaging means mistakes are out of the question. Similarly, coloured dots are also marked on the products: fittings with green dots are used for drinking water and yellow for fuel gases.



## Reliable technology

# VIEGA PRESS FITTINGS WITH SMART CONNECT FEATURE.

All Viega press fittings offer a failsafe safety factor: the Viega Smart Connect feature. Thanks to this technology, which has been tried and tested a million times, unpressed fittings are guaranteed to leak during the pressure test. This ensures high-strength connections along with safe and cost-effective installation.

### We guarantee: Unpressed fittings are visibly permeable

Viega press fittings with Smart Connect feature work with both compressed air and water. If the connection has a leak, the “dry” leakage test will show a visible pressure decrease over the entire pressure range from 2.2 kPa to 300 kPa. If the leakage test is carried out with water, this visibly escapes from the unpressed fittings in the pressure range of 100 kPa to 650 kPa. Another advantage of the Viega press connection is the cylindrical pipe insertion. This prevents damage to the sealing element during the assembly process.



The cylindrical pipe insertion: an important safety feature of the Viega fitting.

Damage to the sealing element is prevented.

The double-pressed Viega fitting guarantees long-lasting security.



# TWICE THE TIME SAVINGS: VIEGA PRESS TECHNOLOGY.

Viega press technology combines long-term safety with rapid installation. There is an up to 75% time saving compared with conventional brazing.

### Using Viega Propress has lots of advantages over brazing:

#### 1. Work faster and more safely

When brazing, every pipe has to be time-consumingly and laboriously processed, whereas Propress allows connections to be made at the press of a trigger. There is no longer any need to work with open flames or heavy ooxy/ acetylene sets, or fitting braze and fluxing agents. With the handy Viega Pressgun, the connectors are easily assembled and pressed in a matter of seconds.

#### 2. Fewer breaks, greater returns

Soldering is hard work: it's physically demanding, requires concentration and creates unhealthy fumes that potentially lead to respiratory problems. This requires workers to take regular breaks, which can increase labour costs and cause project delays. Propress, on the other hand, is quick, easy and doesn't require downtime.

#### 3. Flexible installation

Due to an increased risk of fire or inaccessible locations, it is often impossible to perform brazing on site. This makes complex and costly pre-fabrications necessary. That's not the case with Viega Propress. Work can be conducted at any installation site and environment – and thanks to the battery technology, a power connection is not even required.

#### 4. No flame, no worries

Fire prevention precautions and cooling-down periods are all a thing of the past with Viega Propress. Unlike brazing, Propress doesn't require regulation compliance or carefully prepared workspaces.



Overhead working – not a problem with Viega Propress and the single-hand snap action.

#### 5. Short deployment times

The quicker you work, the more jobs you can complete. Viega Propress offers opportunities to boost turnover thanks to its time-saving attributes. Whilst others are still brazing, Propress users are already in action at the next site and are able to generate increased turnover by installing additional components, such as boilers.

### **i** FAST AND SAFE WHEN INSTALLING

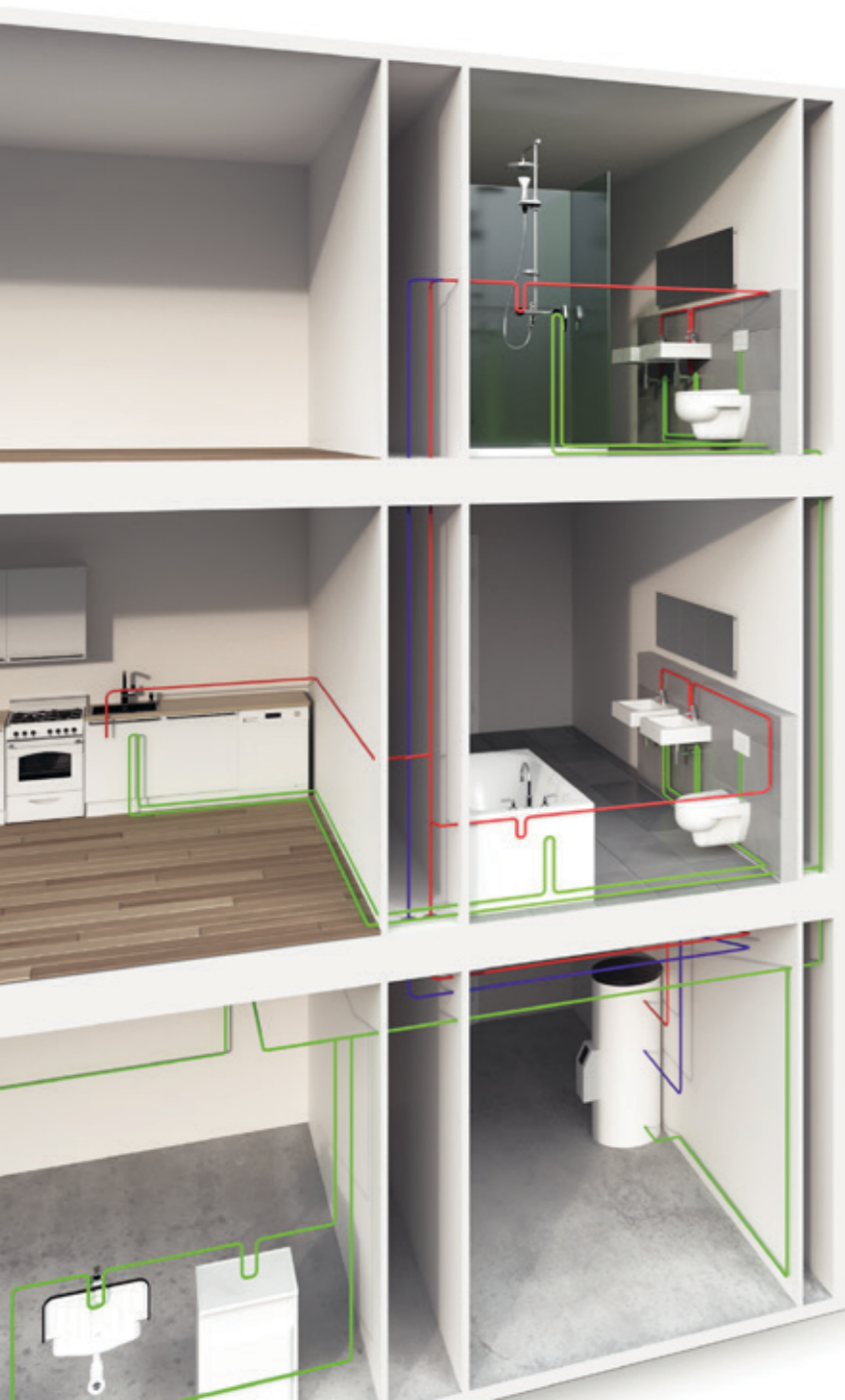
- Significant time-saving based on pressing rather than brazing
- Supreme flexibility with installing
- No need for cooling-down periods
- Repairs possible even under residual water
- Quick and direct assistance possible
- No need to transport and store gas cylinders

## Viega Propress

# OPTIMUM CONDITIONS FOR BEST DRINKING WATER QUALITY.

Drinking water quality is one of Viega's major areas of expertise. Viega system solutions offer a maximum level of flexibility and make it possible for you to operate a fast, safe and completely hygienic drinking water supply system. All Viega Propress threaded water fittings are manufactured from silicon bronze and contain less than 0.1 per cent lead content to provide the safest potable water possible.

Furthermore, Viega only uses materials suitable for use with drinking water such as stainless steel, copper and copper alloys. All organic materials for seals and pipes regularly undergo the relevant chemical and microbiological tests. for every drinking water installation – of course, with certified quality.



### Certified quality

Thanks to high quality materials and components, Viega Propress provides drinking water installations that are corrosion-resistant and sealed over the longer term. The system has WaterMark certification in accordance to AS 3688 standard, license No. LN21120. This requires testing to AS/NZS4020, which guarantees peace of mind when used for drinking water installations. Viega Propress is therefore approved for the Australian market with dimensions DN 15 to DN 100 for connection of AS 1432 copper tube; types A, B and C.

### Unmistakable Propress

Viega Propress products for drinking water installations are easy to identify from the green dot on the bead and are fitted with a black EPDM sealing element. The high-quality sealing element is designed to withstand temperatures of -20 degrees\* Celsius to 110 degrees Celsius and is pressure-resistant up to 1600 kPa.

- Versatile system made of hygienic and anti-corrosive copper
- Certified and approved for the entire Australian market
- Suitable for connection of type A, B and C copper tube

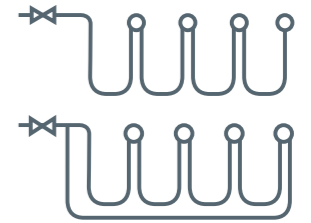
\* Please note: although the sealing elements can handle -20°C, water expands when frozen and is detrimental to copper pipework.



Application example for the connection of double wall plates in ring and series pipeline systems.

### 1 Tried and proven concept Ring or series pipeline system:

Continuous water exchange is essential to preserving high quality drinking water. In the case of draw-off points that are not regularly used, Viega has the right technology to install both ring or series pipeline systems (Fig. 1). In fact, Viega has a solution for every situation.



Application example for T-piece installation with circulation pipe.

### 2 Ring or series pipeline system without circulation:

As part of hygienic planning, double wall plates for fitting connections should only be used in ring and series pipeline systems that are not integrated into the circulation circuit.

T-piece installation with circulation pipe to minimise heat transfer from the hot water to the cold water pipe, the hot water pipe is routed via a T-piece from above to the wall plate. The last draw-off point in this configuration is connected to the central circulation pipe (Fig. 2).



### i HYGIENE AND SAFETY ON-SITE

- The hygienic packaging of the Viega Propress connectors helps to preserve drinking water quality from production right through from production to installation
- Clear colour-coded bags prevents confusion and speeds up work
- No need for connector plugs reduces environmental pollution
- QR code provides quick product information

## Viega Propress G

# MAXIMUM SAFETY FOR GAS INSTALLATION.

Safety is a top priority for gas installations and Viega Propress G ensures that plumbing and hydraulic specialists meet and maintain industry safety standards throughout the entire process. Thanks to Viega's press technology, installations can be finished amazingly fast, efficiently and, most importantly, with none of the fire risks, costs and construction challenges associated.



### Virtually manipulation proof

Once Viega Propress fittings have been pressed, they can no longer be separated. This makes the press connections virtually impossible to manipulate or interfere with. Another safety bonus: thanks to the Viega Smart Connect feature, is that unpressed Propress G fittings are visibly leaky during a leakage test.

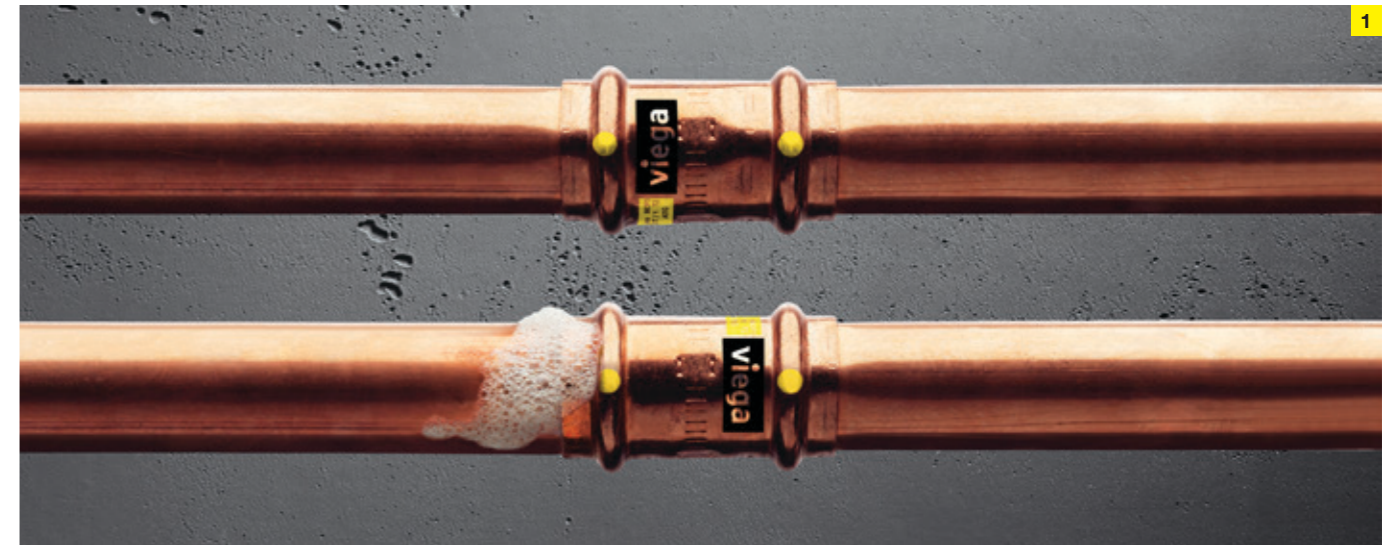
### Mistakes are out of the question

The yellow dot on the bead, a yellow rectangle with the word "GAS" as well as yellow HNBR sealing element make the Viega Propress G visually distinctive and clearly identifiable. The yellow packaging is also easily distinguished at a glance from the Viega Propress components for drinking water installation.

### Quality assured reliability

Viega Propress G has a yellow HNBR sealing element designed to withstand temperatures from -40 to 70 degrees Celsius as well as a maximum pressure of 1000 kPa. The system has Standards Mark approval – in dimensions DN 15 to DN 100 for connection of AS 1432 copper tube; types A and B.

- System is virtually impossible to manipulate or interfere with
- Certified and approved for the entire Australian market
- Suitable for connection of type A, B and C copper tube
- Suitable for use with gas, liquid gas, compressed air and oil



Viega's Smart Connect Feature provides consistently reliable leakage testing.

The HNBR sealing element used with Propress G has a characteristic temperature range from -20 to +70 °C, and it is specified to meet the specific needs of gas installations. The durability and strength of the sealing element are specially tailored to the medium of gas. Cold elasticity combined with thermal

stability ensure that all press connectors work reliably, because high temperatures have to be resisted too. In direct sunlight, the temperature of a copper pipe installation can be above 60 °C for many hours a day. With Propress G, users are always on the safe side.



Flexible in application, thanks to a wide range in the necessary sizes.

# Viega Propress

## THE PRODUCT RANGE.

The following overview of individual elements from the Propress product line illustrates the wide range of possible uses. The specified number is the model number and describes the shape of the fitting or component. The dots before the model number indicate possible applications. Green stands for drinking water and yellow for gas. More detailed information is available from the model number index in the product catalogue.



● 0715

● 0815



● 0715XL

● 0815XL



● 0715.5

● 0815.5



● 0715.5XL

● 0815.5XL



● 0715.1

● 0815.1



● 0715.1XL

● 0815.1XL



● 0715.2

● 0815.2



● 0715.2XL

● 0815.2XL



● 0712

● 0812



● 0712XL

● 0812XL



● 0711

● 0811



● 0711XL

● 0811XL



● 0716

● 0816



● 0716XL

● 0816XL




● 0716.1

● 0816.1



● 0716.1XL

● 0816.1XL



● 0726

● 0826



● 0726XL

● 0826XL



● 0726.1

● 0826.1



● 0726.1XL

● 0826.1XL



● 0718

● 0818



● 0718XL

● 0818XL



● 0717.2

● 0817.2



● 0717.2XL

● 0817.2XL



● 0756

● 0856



● 0756XL

● 0856XL



● 0759.5

● 0859.5



● 0759.5XL

● 0859.5XL



● 0725.5

● 0825.5



● 0732.1

● 0832.1



● 0714.1

● 0814.1



● 0714.2

● 0814.2



● 0765

● 0865



● 0763

● 0863



● 0763.1

● 0863.1



● 0784.9

● 0884.9



● 0799.9

● 0899.9



● 0799.65

● 0899.65



● 0797.3XL

● 0897.3XL



● 0796.6

● 0896.6



● 0729.65

● 0829.65



● 0796.1

● 0896.1



● 0796.2

● 0896.2



● 0797.2XL

● 0897.2XL



● 0796.3

● 0896.3



● 0796.2

● 0896.2



● 0799.49

● 0899.49



● 0786.1

● 0886.1



● 2488.1

● 0848.1



● 0746

● 0846



● 0769

● 0869

We reserve the right to effect changes. Reorder code: 2000 0022



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