

Viega Geopress K and Geopress K gas
Press connection technology
that is robust and reliable.



viega



Viega.

CONNECTED IN QUALITY.

Here at Viega we know: Quality is everything. Without quality, nothing means anything. That's why we strive to surpass ourselves each and every day. For this reason, we take responsibility for the future and want to actively shape it together with our customers, without losing sight of our past.

Viega has been connected in quality for over 125 years. Our family-owned company began with the vision of revolutionising installation technology. Today, Viega is one of the world's leading installation technology companies, with more than 5,000 people internationally and ten locations, remaining true to itself and setting its own high standards.

As a driver of innovation, we think not only in terms of products but in terms of solutions to make people's lives better and to ensure the provision of drinking water hygiene, energy efficiency, convenience and safety. Thanks to our intelligent systems, we install the lifelines of the buildings of tomorrow. Turning rooms into living spaces.

It is important to us at Viega to create a dialogue with our customers and to support them in their day-to-day work. To this end, we share our knowledge with customers all over the world, fine-tune the interplay between materials, technology and convenience, take time for quality management and invest in research and development. The result is a beautifully coordinated system providing customers with fast and reliable access to over 17,000 articles.

Quality is everything. Without quality, nothing means anything.





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Viega Geopress K and Geopress K gas

CREATED FOR THE ENERGY SUPPLY OF TOMORROW.

The two Geopress K systems of Viega, Geopress K and Geopress K gas, offer internal sealing system solutions for supplying drinking water, gas and the energy source of future – hydrogen. The press connecting systems made of high-strength fibre-glass reinforced polymer were developed specially for use in ground soil. They combine the advantages of Viega's cost- and time-saving press connection technology with the highest material quality and safety of the SC-Contur. A perfect combination making Viega the perfect choice for all types of supply technology.



The key factors

When pipelines are placed underground, many factors have to be considered. First of all, a suitable material has to be selected. It must be able to withstand the high strains it is exposed to in the ground and also be suitable for the medium to be supplied. It is therefore of utmost importance that the material is corrosion-resistant and durable.

The solution – from Viega

Cost-effectiveness also plays an important role in practical use. However, it is not only the price of a connector that makes the difference but also a short installation time and high flexibility. Working with Geopress K and Geopress K gas is independent of the weather. Pressure tests can be carried out directly after the last pressing, and water from backflows is also no problem for Viega Press connection technology. The Viega polymer press connectors are robust, reliable and high-tensile.

The systems – multi-faceted

Geopress K is available in the dimensions d25 to d63 for drinking water application and Geopress K gas from d32 to d63 for gas application. In conjunction with various pipe types, Geopress K gas is also suited for the future-ready supply of hydrogen. Depending on the application, the Geopress K is equipped with a blue clamping ring (drinking water) and Geopress K gas with a yellow clamping ring (gas).

In practice – ready to deliver

The systems therefore offer various special solutions in addition to the large number of fitting types. Special adapters ensure trouble-free connection to other piping systems by providing internal or external threads or screw fittings, for example. The repair coupling allows quick and simple repair of damaged pipes. For this purpose, a short piece is cut out of the pipe and the coupling is slid onto one end and then pulled back. The gap is closed, the press connector is pressed, and the operational safety is restored.



Underground supply lines for drinking water, gas and hydrogen: reliable and economic.

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GEOPRESS K

- For drinking water
- d25 to d63
- Including an EPDM sealing element compliant with the elastomer guideline issued by the German Federal Environment Agency
- Blue clamping ring
- Marked with a green SC-Contur dot



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GEOPRESS K GAS

- For natural gas and liquid gas pursuant to DVGW G 260 and for hydrogen supply
- d32 to d63
- Featuring an HNBR sealing element
- Yellow clamping ring
- Marked with a yellow SC-Contur dot



Zero-lead silicon bronze alloy

The EU Drinking Water Directive 2020/2184 stipulates a parameter value of 5 µg/l for lead. In order to comply with this, Viega is already using the zero-lead alloy silicon bronze alloy for all connector threads in the Geopress K system. This eliminates the possibility of lead getting into the drinking water. Silicon bronze is also an extremely hard and dense material which is both corrosion-resistant and hygienic. This means that, as well as being suitable for drinking water installations, it can also be used for applications involving gas, liquid gas and hydrogen.



Both Geopress K systems can be installed regardless of the weather conditions as well as quickly and economically. In addition, problems caused by residual water in the pipes and inconvenient cooling phases are a thing of the past. The connection is immediately able to withstand stress and ready for operation.

Viega Geopress K and Geopress K gas INTERNAL SEALING. SAFE AND RELIABLE SUPPLY.

The Geopress K systems combine the advantages of an efficient press connection technology with the safety of robust and high-tensile polymer connectors. The simple, time-saving assembly and the internally sealing pressing ensure a high-tensile connection, which is essential for supply lines installed in the ground. The extensive product range and the option to work regardless of the weather make processes at the construction site considerably easier.

Internal sealing

With Geopress K and Geopress K gas, Viega presents internally sealing press connection systems for use in underground supply lines. The following features make the connectors the perfect choice for the rough conditions in the ground. The pipe is just pressed onto the support body of the connector. This guarantees firm internal sealing and a high-tensile connection. Due to this internal sealing, pre-treatment of the pipes is completely unnecessary. Any leakage caused by deep grooves or scratches on the pipe's surface is pre-

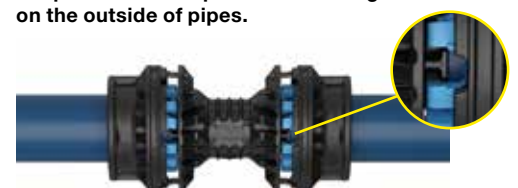
vented. This guarantees a reliably tight connection at all times, even in challenging circumstances.

Robust exterior

The body made of fibre-glass reinforced polymer ensures a high durability of the connectors. This material withstands even the highest strains. These are the best prerequisites for meeting the high performance conditions of underground supply lines.



The internal sealing connectors circumvent the problem of deep scratches and grooves on the outside of pipes.



The windows of the connectors allow the pipe's insertion depth to be checked before pressing.



Exceptional quality

Each Geopress K and Geopress K gas connector is equipped with a traceability code pursuant to ISO 12176-4. This code allows each fitting to be traced and provides details about the manufacturer, nominal width, material, batch and much more.

Optimal conditions

Thanks to their optimised internal geometry, the Geopress K and Geopress K gas connectors, elbows and T-pieces provide excellent fluid dynamics.

Always fitting

The two Geopress K systems offer the highest possible safety in connection with a great variety of HDPE pipe types. HDPE-80, HDPE-100 and HDPE-100 HSRC – any pipe of the SDR class 11 – can be easily combined with Viega Geopress K and Geopress K gas.



ADVANTAGES OF VIEGA GEOPRESS K AND GEOPRESS K GAS

- Geopress K gas is ready for use with hydrogen
- The blue clamping rings for drinking water and yellow clamping rings for gas that become visible are immediately recognisable as pressing labels at a single glance. This prevents mix ups and ensures safety
- The internally sealing connection eliminates the need for time-consuming pre-treatment of the pipes
- High reliability thanks to the Viega SC-Contur, which reliably detects inadvertently unpressed connections during a leakage test (unpressed/leaking function)
- Each connector has a window for checking the insertion depth
- Highly economical due to
 - Time-saving Press connection technology
 - Eliminating the cool down time and pretreatment of the pipes
 - Working in any weather condition > great flexibility

Press connection technology

SIMPLE AND SAFE.

As with almost all other Viega systems, Geopress K systems use the proven Press connection technology with time- and cost-saving assembly. Thanks to this technology, the press connection systems provide high-tensile and leak-tight connections.

Well-proven technology

The pipe is cut to length at a right angle and inserted into the connector. Afterwards, the connector is pressed with a press tool. In the polymer piping systems Geopress K and Geopress K gas, the blue or yellow clamping ring is clearly visible after the pressing procedure. Within only a few seconds, the connec-

tion is tight, high-tensile and fully loadable. The installation time can be significantly reduced compared to other methods.

Proven quality

The Geopress K systems are particularly distinguished by their reliability. They have undergone successful test-

ing in accordance with the specifications of ISO 17885 and DIN EN 1555, and are certified according to the applicable regulations of the German Technical and Scientific Association (DVGW). Geopress K gas connectors are additionally suited for hydrogen.



CUTTING, CONNECTING, PRESSING.

Cut the pipe to length at a right angle.



Insert the connector and mark the insertion depth.



Press the connectors.





The connectors of Geopress K and Geopress K gas (shown) pass the "digger test" in real-life circumstances as well.

Reliably high-tensile

The approval granted to the Geopress K systems confirms that the connection will remain tight and firm even under extreme tensile stress. The clamping ring permanently connects the pipe and connector – so that even digger shovels cannot destroy it (Fig. 1).

SC-Contur safety

All Geopress K system connectors are equipped with the proven Viega SC-Contur. This ensures forced leakage of unpressed connectors, thereby guaranteeing that inadvertently unpressed connections will be immediately detected when the service connection is subject to a leakage test. If the connection is not completely pressed, this can be immediately detected in the leakage test (Fig. 2).

Visibly pressed

The clamping ring of the Geopress K and Geopress K gas connectors fulfills two functions: On the one hand, it ensures a connection that is high-tensile and, on the other hand, it serves as an unmistakable marker that the connection is correctly pressed. This is because the clamping ring only becomes visible on the outside of the pipe after the pipe has been pressed, thus indicating a complete and safe pressing (Fig. 2).



The tried-and-tested Viega SC-Contur is designed with a leakage feature. Inadvertently unpressed connections are identified immediately during the leakage test. The coloured clamping ring on the outside of the pipe only becomes visible after pressing is complete.

Viega Geopress tapping valves

A SAFE SERVICE CONNECTION RIGHT FROM THE START.

The tapping valve

Market leading technology is easily identifiable because it makes your work easier – just like the tapping valves of Viega. With a total of nine water outlets and eight gas outlets, they provide maximum flexibility for the job and the ideal connection to the Geopress K systems. The fittings are also made from high-strength polymer and are available for drinking water (9690TW) and gas (9690G). The material ensures great stability and superior durability. Both the Geopress K gas system and the Geopress G tapping valve have been awarded the H₂ ready label. Beyond the gas application, they can also be used in the hydrogen supply.

Sophisticated mechanics

With the tapping valve, the spot drilling of the main supply line takes only a few minutes. This is placed around the pipe like a bracket and tightly connected with the pipe using a press tool. Due to the integrated milling cutter for PE pipes, the drilling can be carried out directly without having to use an external drilling machine. To ensure the anti-twist protection of the tapping valve, a sleeve is simultaneously inserted into the drill hole.



A SAFE CONNECTION IN SIX STEPS.



1
Position the tapping valve and latch it into the first catch.



2
Press the fitting with the manual tool or Pressgun.



3
Insert and secure the connecting piece.

Telescopic stem extension

The product portfolio is rounded off by the telescopic stem extension. It is equipped with a tapping saddle that is designed to exactly fit the tapping valve in order to prevent the entrance of dirt and to ensure the correct alignment of the stem extension. Additional blue-yellow marking discs show the corresponding area of application. The telescopic stem extension is available in four lengths.



Telescopic stem extension 9696: suitable for the tapping valves Geopress model 9690TW (drinking water) and 9690G (gas). Available in four lengths.



4

Lay the service connection, press it and subsequently perform a pressure test.



5

Carry out drilling.



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It is as simple as that.

Viega Pressguns

INTELLIGENT PRESS TECHNOLOGY THAT IS SETTING NEW STANDARDS.

Maximum endurance thanks to brand new battery technology, optimised handling even in confined spaces and with tailor-made accessories for every application: the new Viega Pressguns are impressive in every respect and make the pressing process easier than ever before, no matter what the pipe dimensions.



This brochure features products that are not available in every country. Please contact your field sales representative.

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THE VIEGA SYSTEM CASE

- New case system, compatible with commercially available case and vehicle systems (Sortimo)
- Individual cases can be combined (including trolley option)
- Standardised case bodies with individual inserts for maximum future-proofing
- Straightforward handling and maximum flexibility due to separation of Pressgun and press jaws
- Extremely robust, splash-proof design
- Loading capacity per case: 25 kg



Secure storage for all Viega press tools:
The Viega system cases offer maximum flexibility with separate cases for Pressguns and press jaws.

1. The Pressgun 6 Plus

- For metal press connector systems in the pipe dimensions 12 to 108 mm, for Megapress steel pipe connectors from $\frac{3}{8}$ to 2 inch and for polymer piping systems from 12 to 63 mm.
- Pressing force 32 kN, pressing time approx. 4 sec., weight approx. 3.2 kg
- With Pressgun Press Booster for Megapress XL steel pipe connectors in the pipe dimensions 2½, 3 and 4 inch
- Smart connectivity with the Viega Tool Services app via Bluetooth®
- Infinitely rotatable press jaw fixture
- Two LEDs ensure optimised illumination of the pressing point
- Up to 35% more pressings thanks to new battery technology and optimised, more efficient components
- Servicing interval 40,000 pressings/4 years, automatic safety shutdown after 42,000 pressings
- Built-in attachment points for carrying strap or balancer

2. The Pressgun Picco 6 Plus

- For metal press connector systems in the pipe dimensions 12 to 35 mm, for Megapress steel pipe connectors from $\frac{3}{8}$ to $\frac{3}{4}$ inch and for polymer piping systems from 12 to 40 mm.
- Pressing force 24 kN, pressing time under 4 sec., weight approx. 1.6 kg
- Smart connectivity with the Viega Tool Services app via Bluetooth®
- The compact inline design enables one-hand operation
- New 12 V battery system with improved endurance
- Servicing interval 40,000 pressings/4 years, automatic safety shutdown after 42,000 pressings

3. The Pressgun 6 and Pressgun Picco 6

- Pressgun 6 for metal press connector systems in the pipe dimensions 12 to 108 mm, for Megapress steel pipe connectors from $\frac{3}{8}$ to 2 inch and for polymer piping systems from 12 to 63 mm. Pressing force 32 kN, pressing time approx. 5.5 sec, weight approx. 3.6 kg
- Pressgun Picco 6 for metal press connector systems in the pipe dimensions 12 to 35 mm, for Megapress steel pipe connectors from $\frac{3}{8}$ to $\frac{3}{4}$ inch and for polymer piping systems from 12 to 40 mm. Pressing force 24 kN, pressing time approx. 4.5 sec., weight approx. 2.6 kg
- Press jaw fixture rotatable through 270°
- Built-in attachment points for carrying strap or balancer

4. The Pressgun 6 B

- For metal press connector systems in the pipe dimensions 12 to 108 mm, for Megapress steel pipe connectors from $\frac{3}{8}$ to 2 inch and for polymer piping systems from 12 to 63 mm. Pressing force 32 kN, pressing time approx. 5 sec, weight approx. 3 kg
- Press jaw fixture rotatable through 180°
- Ideal for high and low temperatures thanks to battery-free mains operation
- Servicing interval every 2 years, with no limit on the number of pressing operations



Enables pressing of thick-walled steel up to 4 inch: the Pressgun Press Booster.



CLEVER: THE VIEGA TOOL SERVICES APP

The Viega Tool Services app allows users to control the Viega Pressgun 6 Plus and Pressgun Picco 6 Plus interactively. Once the smart Viega Pressguns have been registered and connected to the app on the user's smartphone via Bluetooth®, their operating state can be read out at any time. The battery status can be viewed on the app, along with the number of pressings. In addition, advanced functions can be used to set up the device.



Download the new Viega Tool Services app now.

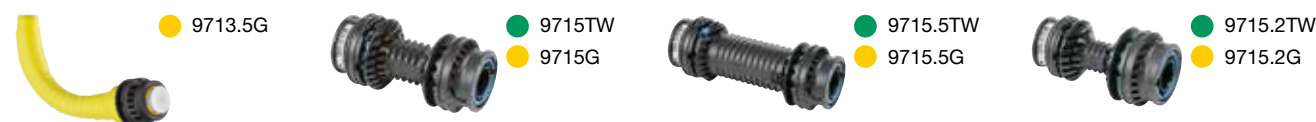
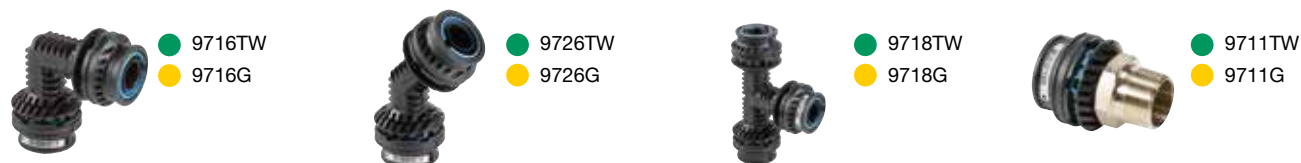


Viega Geopress K and Geopress K gas

THE PRODUCT RANGE.

With the internally sealing press connector systems Geopress K and Geopress K gas made of robust polymer, Viega offers a comprehensive product range for uniform connection of underground supply lines. In conjunction with various polyethylene pipe types, Geopress K gas is also suited for supplying hydrogen. More detailed information is available from the model number index in the product catalogue.

● Geopress K – drinking water (EPDM), d25 to d63 ● Geopress K gas – gas (HNBR), d32 to d63



This brochure features products that are not available in every country. Please contact your field sales representative.