

## Viega Sanpress

The cost-effective and durable installation system.

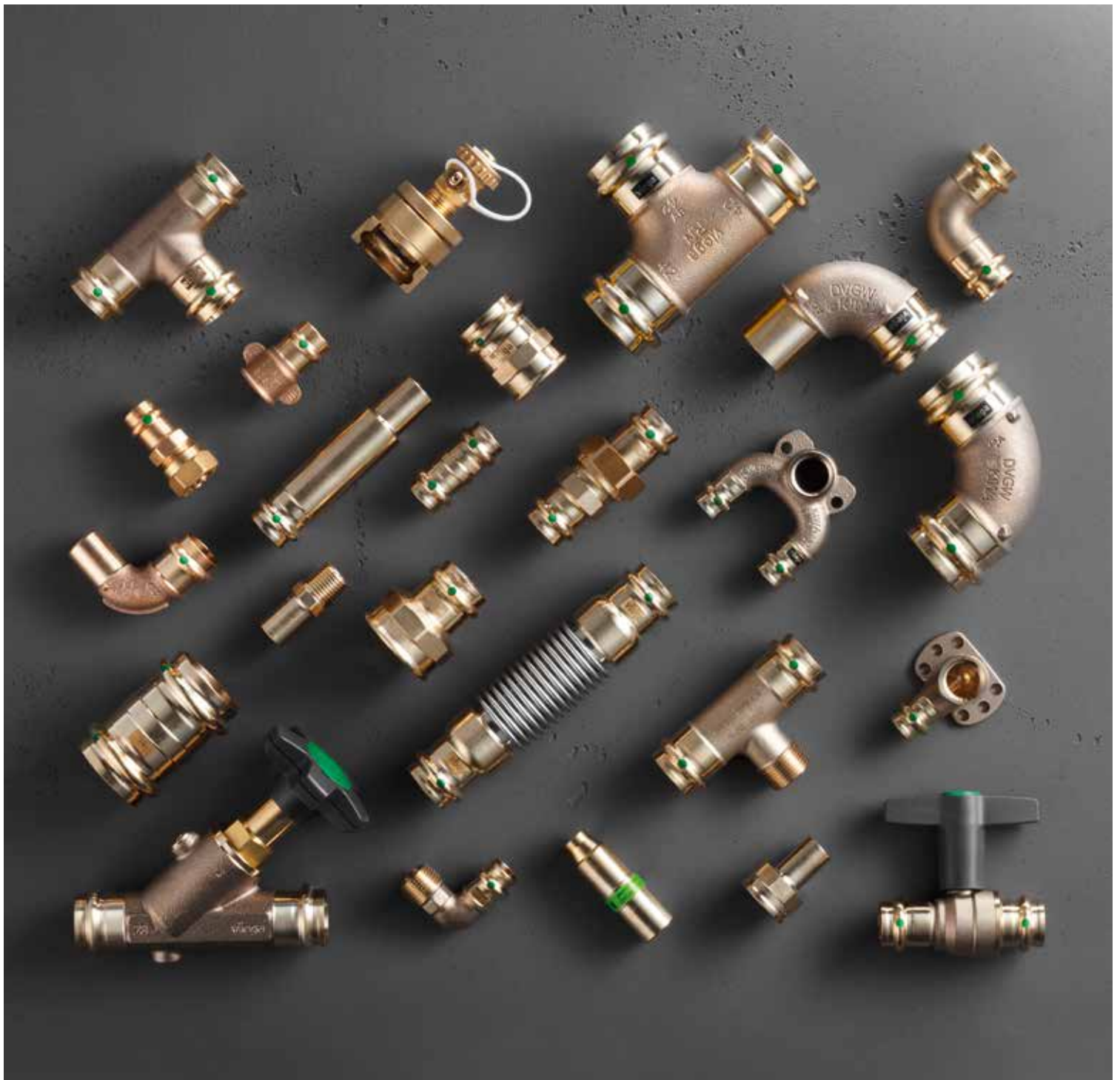


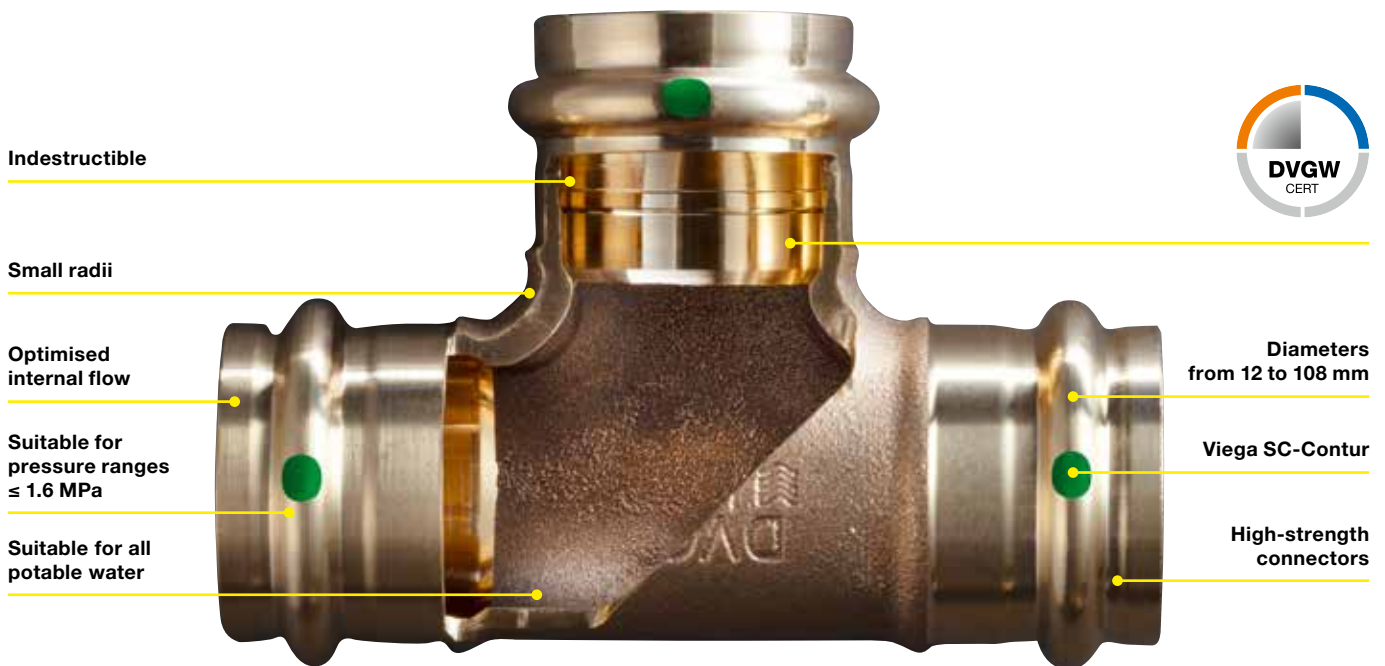
**viega**

## Viega Sanpress

# SUPERIOR IN EVERY RESPECT.

In potable water installations, industry and even plant engineering – Viega Sanpress is setting new standards everywhere. Providing quality and economy. Modular systems using press connectors made of gunmetal or silicon bronze with the Sanpress 1.4521 pipe are DVGW certified, suitable for use with potable water and offer a breadth of product range that exceeds all expectations in practical applications.





### The Viega safety factor in pressing

Viega Sanpress can be installed in a matter of seconds, thanks to its convenient press connecting technology. Absolute reliability is guaranteed by a unique safety factor: the Viega SC-Contur, tried and proven a million times over. This feature makes it easy for you to detect inadvertently unpressed connections. In the dry leakage test, the pressure can be seen to drop from 22 hPa to 0.30 MPa over the entire pressure range. Leaks from a system filled with water, on the other hand, are clearly visibly from unpressed connections in the pressure range from 0.1 MPa to 0.65 MPa.

### The material

When it comes to hygiene, safety and lasting resilience, gunmetal and silicon bronze are indispensable. With their more favourable flow conditions, Sanpress press connectors in the pipe dimensions 12 to 108 mm guarantee cost-effective pipeline dimensioning. Suitable for pressures of up to 1.6 MPa, these high-strength connectors can be used in potable water installations. Hardly surprising, then, that Viega connectors deliver impressive results in both the hardness test and in practice – with indestructible quality, durability and immense versatility.

### Value

Viega has improved on how cost effective the Sanpress modular system is with connectors made from gunmetal or silicon bronze, offering you the first stainless steel-pipe potable water installation made from 1.4521 material without nickel as a price driver. The Sanpress 1.4521 pipe is high quality, hygienically impeccable and cost-effective – just as we have come to expect from products made by Viega. The Sanpress 1.4521 pipe is part of the Viega modular system and is ideal for installation with Sanpress gunmetal connectors. The benefit to you is a highly cost-effective integrated solution.



Reliable leakage test with the SC-Contur



## The Sanpress 1.4521 pipe

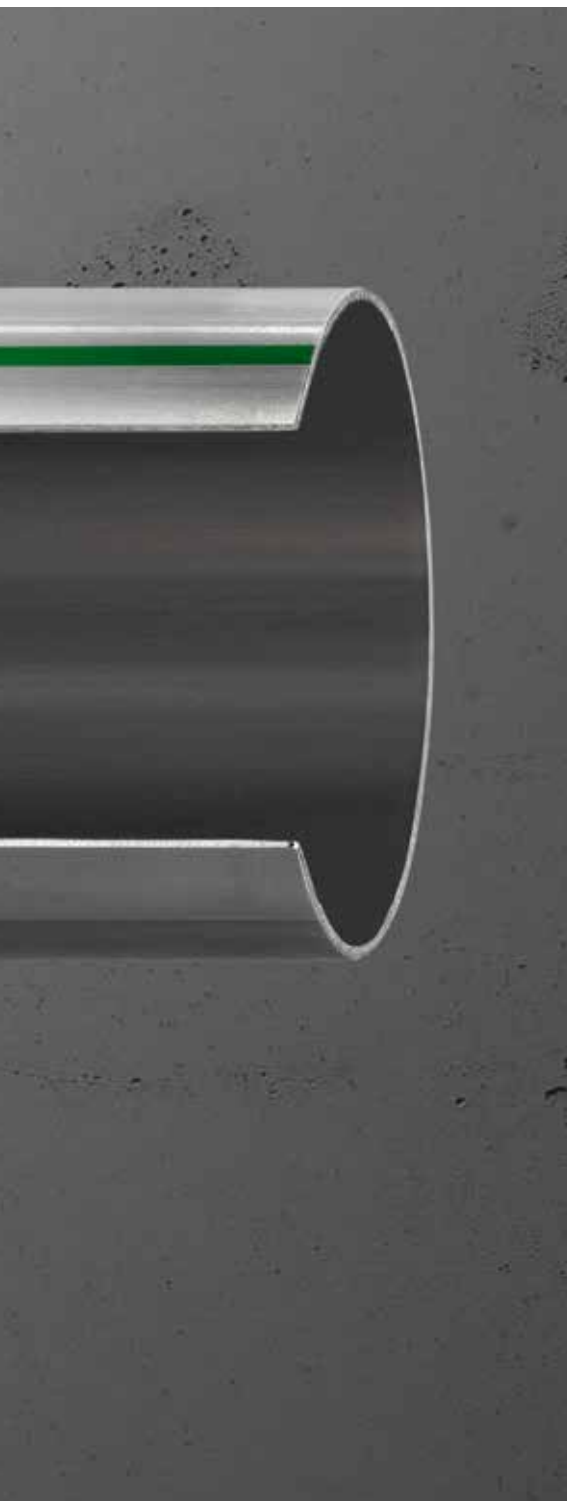
# THE IDEAL SOLUTION FOR A COST-EFFECTIVE CONNECTION.

### **Top class material, tried-and-tested quality**

There are many reasons why the 1.4521 material is of such high quality: it is made in an optimised manufacturing processes with increased chromium and molybdenum content and double stabilised with titanium and niobium. The premium quality of the material is also confirmed by the internationally recognised PRE value (corrosion resistance value). At  $> 24$ , it clearly exceeds the standard which specifies only a lower PRE value of 22.9. The advantage: the higher the PRE value, the more resistant the material. In practice, this means improved safety. The material can be bent up to a pipe dimension of 28 mm.

### **Tested safety**

This stainless steel pipe made of 1.4521 material is the result of intense research. Its special raw material composition was investigated using a series of sophisticated tests and its outstanding product properties underwent countless demanding trials. But the effort has paid off: with the Sanpress 1.4521 pipe, we now have an extremely economical, quality product. Available in the pipe dimensions 12 mm to 108 mm, it ensures that the water quality required in potable water and industrial applications is achieved and maintained over the long term.



#### The advantage of laser welding technology

The Sanpress 1.4521 pipe is manufactured using a modern laser welding process with no filler materials. This method produces a very narrow weld seam. The pipe also benefits from the stability created by titanium and niobium combined, which ultimately increases resistance.

#### Greater planning reliability

Stainless steel is a reliable choice in many ways, including financially. Thanks to its innovative composition, this Viega stainless steel pipe is far less dependent on variations in commodity prices. More reliable calculations boost your profits and give you a competitive edge.



Conventional-width TIG weld seam



Narrow Viega laser weld seam





## **Viega Sanpress and the Viega Sanpress 1.4521 pipe**

# THE STANDARD IN DRINKING WATER HYGIENE.

When it comes to potable water, it goes without saying that Viega trusts only the highest quality materials. 1.4521 material together with gunmetal or silicon bronze press connectors can be used for drinking water – even under rigorous conditions, provided that disinfection is carried out in accordance with the Potable Water Ordinance (TrinkwV), Section 11. Bacteria can propagate during shutdowns, heat-up or contact with certain materials, quickly causing the quality of the potable water to drop. Health authorities have therefore begun testing water in public buildings more rigorously, taking random samples more often. Choosing tried-and-tested safety from Viega is an effective way to avoid material-related complications.



### Sanpress in potable water installations

Viega believes in modular systems with built-in hygiene: connectors made of gunmetal or silicon bronze and stainless steel pipes offer maximum safety and flexibility. As part of mixed installations, they can be combined with other materials to suit the situation concerned. Additional components and special parts also mean that the highest possible drinking water standards remain guaranteed even if you come across unusual installation situations and requirements.



### Viega shut-off expertise (Fig. 1)

Viega offers numerous shut-off options for potable water pipelines: Easytop slanted seat valves and Easytop ball valves use a direct press connection with the SC-Contur, meaning they can be installed reliably, cost-effectively and incredibly quickly. The system is ready for use at full load as soon as it is assembled. The Easytop extraction valve was developed in order to simplify the tests prescribed by the 2011 PWO. This component consists of a permanently installed extraction valve that has no dead space and a fitted, sterilisable actuation unit.

## Viega Sanpress

# THE PERFECT SOLUTION FOR EVERY SITUATION.

Viega Sanpress has exactly the right connector in the product range to meet every challenge. The components are available in dimensions from 12 to 108 mm and their small Z dimensions make for easy installation and planning reliability. Another key strength of Viega connectors: the innovative manufacturing process is designed to allow complex geometries inside the components. This results in ideal flow conditions that are both economically and hygienically advantageous.





### Drinking water connections with water rinsing

Selecting the right technology is especially important at draw-off points that are rarely used. The Viega Sanpress double wall plate and the Sanpress wall plate T-piece are the answer to hygienically optimised pipeline routing, such as a ring system or series pipeline for example. The Sanpress assembly unit for membrane expansion vessels also makes for easy mounting and installation, ensuring flow-through at connection points.



### Insulating unions

Using different metals within an installation increases the danger of contact corrosion and encrustation. Viega insulating unions effectively curtail bimetal corrosion and guarantee a direct transition from galvanised steel to stainless steel. And the insulation is integrated into the component.

### Pressure test plug

Leakage tests made easy: the reusable Viega pressure test plug helps to test pipeline sections quickly without undue assembly effort. The component is available in the dimensions 12 to 54 mm. The standard version comes with a KFE tap for temporarily closing off the test sections.

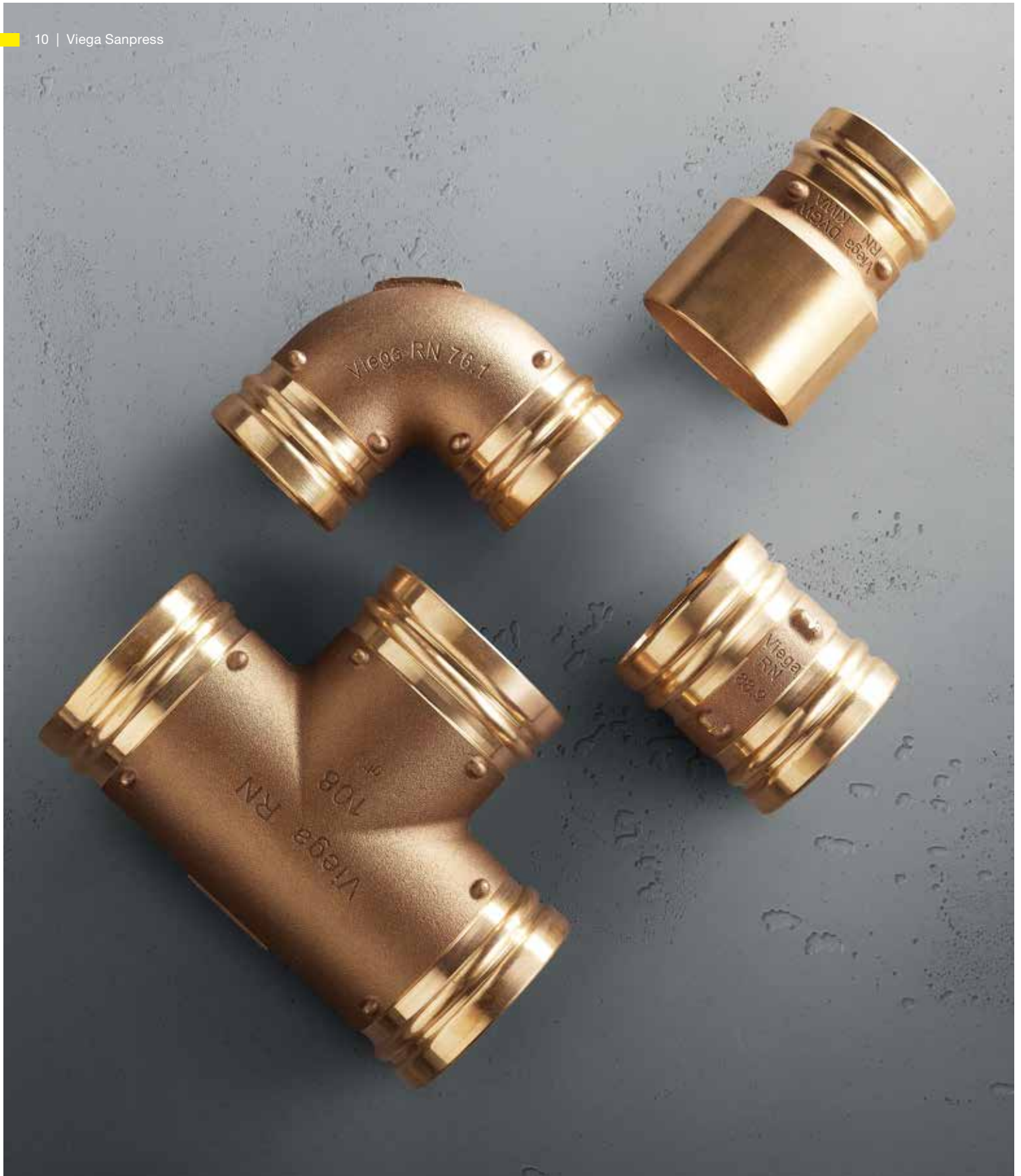
### The Viega press-in nozzle using the Venturi principle

The Viega press-in nozzle works on the Venturi principle is a cost-effective and simple solution for both new installations and potable water installation refurbishments. It averts the risk of stagnation at rarely used cold water draw-off points, e.g. sinks or radiator filling points. Available in pipe dimensions from 22 mm to 64 mm, this component is installed in the main distribution line between two T-pieces, which branch off to the ring system and hence to the draw-off point. Every time water is drawn off, as per the Venturi principle, a small pressure difference automatically occurs in the flow path behind the Viega press-in nozzle. This ensures proper water exchange within the ring system to the draw-off point.

### Axial compensators (Fig. 1)

Viega compensators offer clear advantages over conventional expansion compensators, such as U or Z-shape expansion bends for example. They save on space, material and assembly time. And, of course, they have a direct press connection with a reliable SC-Contur.





## Sanpress XL

# QUALITY ON A GRAND SCALE.

One of the best things about the Viega Sanpress XL is its flexibility. A huge breadth of components in pipe dimensions from 76.1 to 108 mm show just how versatile this range is and especially small Z dimensions promise practical assembly convenience. The XL press connectors can be pressed in one operation using Viega press tools (32 kN). All components are DVGW approved and ensure that the water quality required in potable water and industrial applications can be achieved and maintained over the long term.



### Sanpress, PWIS-free (Fig. 1)

The automotive industry and paint shops use products that are free of paint wetting impairment substances (PWIS). Sanpress, PWIS-free, satisfies these criteria. The PWIS-free connectors carry a blue dot and are individually packed for effective protection. Easytop slanted seat valves, PWIS-free, and Easytop ball valves, PWIS-free, round out the range.



### Viega lap-joint flanges

Sanpress flange adapters from DN 25 to DN 100 are the ideal choice for connecting fittings, pumps or measuring devices. The press sleeve with the lap-joint flange version of the Viega SC-Contur makes them especially quick and easy to install. Viega holds this component on stock for you with press sleeves in the pipe dimensions 28 to 108 mm.



## 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.



### i

#### 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
- Find out more: [viega.com/SystemCases](https://www.viega.com/SystemCases)



**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 ¾ to 2 inch and for plastic 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 ¾ to ¾ inch and for plastic 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 ¾ to 2 inch and for plastic 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 ¾ to ¾ inch and for plastic 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 ¾ to 2 inch and for plastic 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



The Pressgun Picco 6 Plus excels when space is limited and enables single-handed pressing in any situation.



### 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.















































For more information on Viega Pressguns, press jaws and the matching accessories: [viega.com/SystemPressTools](http://viega.com/SystemPressTools)

## Viega Sanpress

# THE PRODUCT RANGE.

The overview below shows just some of the numerous Viega Sanpress products, demonstrating the broad product range and variety of applications covered by the modular system. The number indicated is the model no. It describes the type of connectors and components. More detailed information is available from the model no. index in the product catalogue.

● EPDM sealing element   ● HNBR sealing element   ● PWIS-free (free of paint-wetting impairment substances)

	● 2205		● 2205XL		● 2203		● 2203XL
	● 2209.3		● 2216		● 2216XL ● 2216XLLF		● 2216.1
	● 2216.1XL ● 2216.1XLLF		● 2226		● 2226XL ● 2226XLLF		● 2226.1
	● 2226.1XL ● 2226.1XLLF		● 2218		● 2218XL ● 2218XLLF		● 2217.1
	● 2217.2 ● 2217.2LF		● 2217.2XL ● 2217.2XLLF		● 2215		● 2215XL ● 2215XLLF
	● 2215.5		● 2215.5XL ● 2215.5XLLF		● 2215.4		● 2211 ● 2211LF
	● 2211XL ● 2211XLLF		● 2212 ● 2212LF		● 2214		● 2214.2 ● 2214.2LF
	● 2214.1		● 2214.3		● 2212.3		● 2212.4
	● 2211.1		● 2212.1		● 2215.1		● 2215.1XL ● 2215.1XLLF
	● 2225		● 2225.5 ● 2225.5LF		● 2225.		● 2217.3
	● 2228.7 ● 2228.7LF		● 2260 ● 2260LF		● 2262		● 2265 ● 2265LF

	● 2255		● 2263 ● 2263LF		● 2264		● 2263XL ● 2263LXF
	● 2215.6		● 4213.2		● 2232.1		● 2232.3
	● 1526.414-897		● 2267		● 2269		● 2113
	● 2213P		● 2259.5 ● 2259.5LF		● 2259.5XL ● 2259.5LXF		● 2259.2XL
	● 2256XL ● 2256LXF		● 2251		● 2218.4		● 2221
	● 2222.1		● 2222.05		● 2222		● 2222.2
	● 2229		● 94477.0-713		● 2276.1		● 2259.1
	● 2259.1XL		● 2237 ● 2237LF		● 2238 ● 2238LF		● 2239 ● 2239LF
	● 2223.1		● 2234.1		● 2211.5		● 2275 ● 2275LF
	● 2275.4		● 2278		● 2278.5		● 2235
	● 5313		● 5313P		● 2217.4		

INT 815 004-5/21-121007 · We reserve the right to effect changes.



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