

## Viega Sanpress Inox

The complete system for stainless steel installations.



**viega**

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The complete stainless steel system for high-quality and cost-effective drinking water installations.



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## Viega Sanpress Inox

# HIGH-QUALITY AND SAFE, HYGIENICALLY IMPECCABLE.

With all the benefits of innovative Viega technology, the Sanpress Inox is sure to impress. The system uses the reliable Viega press connecting technology to ensure complete ease of assembly even in hard-to-reach places. In addition, a broad product range for drinking water, gas and industrial installations offers a huge range of potential applications. Last but not least, the rapid availability of parts and the high quality involved mean that all work can be carried out professionally and on time.

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Reliable leakage test with the SC-Contur

### The comprehensive product range (Fig. 1)

The broad, practical range of products makes Sanpress Inox a problem-solver in drinking water installations. All components are available in a number of different versions, in dimensions from 15 to 108 mm. Elbows and crossovers, angles and T-pieces, adapters, sleeves, screw fittings and fitting connections – the extensive Viega product range provides the perfect solution for numerous areas of application. Including for use in industry.

### The safety factor in pressing (Fig. 2)

The unsurpassed advantage of press connections is easy installations in a matter of seconds. However, Sanpress Inox, like all Viega press systems, provides an additional safety factor: the Viega SC-Contur.

### Central leakage test with SC-Contur

Viega is the first supplier on the market to guarantee a reliable dry central leakage test, provided that the fittings and connectors in the installation are equipped with the Viega SC-Contur. The wet load test for the pipe at 15 bar can be dropped if a dry leak tightness and load test in accordance with the ZVSHK data sheet was performed beforehand. This saves time and is more convenient, since the individual press connections no longer have to be inspected visually and you can recognise the leak tightness centrally on the pressure gauge. The dry leakage test also offers hygiene benefits, as it prevents water standing in the pipe between completion of the installation and commissioning. Each Sanpress Inox connector is equipped with a high-quality sealing element, which is protected against damage by the cylindrical pipe guide.

### Hygiene in the system

Sanpress Inox products should arrive on your premises just as they left ours: undamaged and clean. All pipes are supplied with protective plugs, and the connectors are packed in bags. This protects them from contamination. We also supply caps you can use to securely cover the pipeline sections.



Reliably protected against contamination in bags.



Protective caps for pipe ends prevent the ingress of contamination and foreign bodies.

## The Sanpress 1.4521 pipe

# THE IDEAL SOLUTION FOR AN ECONOMICAL CONNECTION.

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

There are many reasons for the high quality of the 1.4521 material: optimised manufacturing processes, increased chromium and molybdenum content, as well as the double stabilisation 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 better the material's resistance. Ultimately, this means added safety in practice. The material can be bent up to a dimension of 28 mm.

### **Tested safety**

The stainless steel pipe made of the material 1.4521 is the result of intense research. Its special raw material composition was put through its paces in a series of sophisticated trials, and its outstanding product properties had to undergo countless hardness tests. But the effort has paid off: the Sanpress 1.4521 pipe is now an extremely economical, quality product. Available in the dimensions of 15 mm to 108 mm, it ensures that the water quality required in drinking water and industrial applications is achieved and maintained over the long term.



#### Advantage of laser welding technology

The Sanpress 1.4521 pipe is manufactured by a modern laser welding process without 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

Now stainless steel can be relied on financially too. Thanks to its innovative composition, the Viega stainless steel pipe is far less dependent on trends in raw material prices. More reliable calculations increase your profitability and give you a competitive edge.



Conventional wide TIG weld seam



Narrow Viega laser weld seam



## Viega Sanpress Inox

# SAFETY IN DRINKING WATER INSTALLATIONS.

When it comes to drinking water, it goes without saying that Viega trusts only the highest quality materials. The material 1.4521 can be used for drinking water in combination with stainless steel press connections – even under rigorous conditions, when the water is disinfected in accordance with the Potable Water Ordinance (TrinkwV), Section 11.





### Reliable connection

For years now, Sanpress Inox has been regarded as the system for impeccable drinking water hygiene. The pipes are made of high-alloy, stainless steel and are available in dimensions from 15 to 108 mm. Reliable press connectors and Easytop system fittings round out the versatile complete system. Sanpress Inox can be used for drinking water. In places where hygiene is paramount, such as hospitals for example, you can carry out general or shock disinfection in accordance with the Potable Water Ordinance using the permitted procedures.



### DVGW certification

The Sanpress 1.4521 pipe is part of the Viega modular system and can be perfectly processed with the tried-and-tested Sanpress Inox connectors. As the first supplier to pass the DVGW W534 test for this material combination, Viega is able to draw on a wealth of experience.



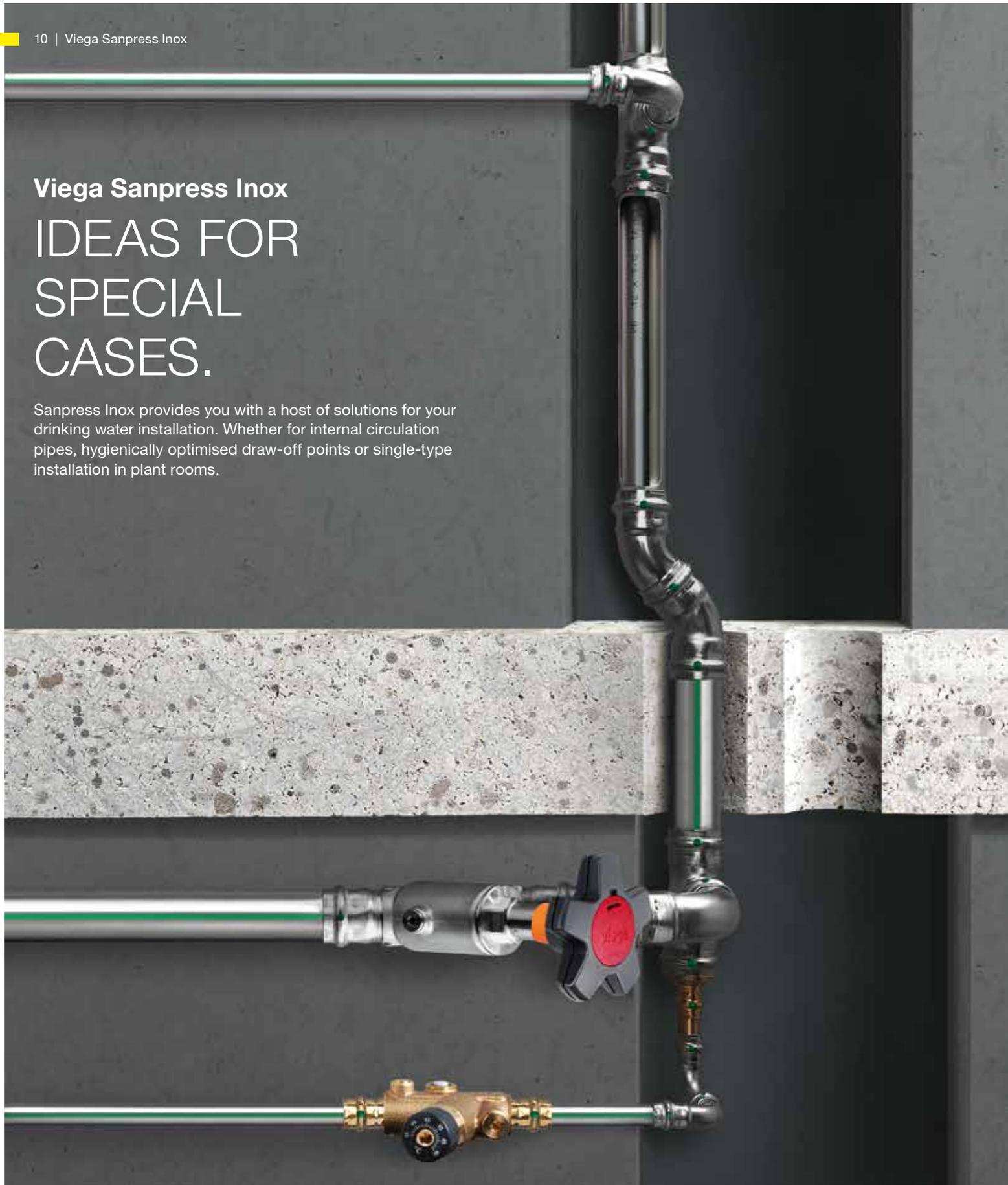
### Easytop system fittings

The high-quality Easytop slanted seat valves and Easytop ball valves can be quickly and safely integrated into any system thanks to the cold press technology. You save time and money – your installation is ready for use and resilient without any delay. You can recognize unpressed connections using the DVGW-certified Viega SC-Contour.



## Viega Sanpress Inox IDEAS FOR SPECIAL CASES.

Sanpress Inox provides you with a host of solutions for your drinking water installation. Whether for internal circulation pipes, hygienically optimised draw-off points or single-type installation in plant rooms.



### **The Smartloop inliner technology from Viega**

As a rule, circulation water is routed through a separate pipe next to the hot water pipe. The single pipe principle of the Smartloop inliner system, however, combines the supply and return flow in one pipe, effectively eliminating the need for an additional pipe. The advantages of this principle: less heat loss, easier assembly, reduced costs for pipe insulation in accordance with EnEV and for fire protection measures in the floor lead-in.



### 1 The Viega press-in nozzle according to the Venturi principle (Fig. 1)

For both new installations and drinking water installation refurbishments, the Viega press-in nozzle that works on the Venturi principle is a cost-effective and simple solution for averting stagnation risks at rarely used cold water draw-off points, e.g. sink basins or radiator filling points. In the 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 reduced pressure difference automatically occurs in the flow path behind the Viega press-in nozzle. This ensures an appropriate water exchange within the ring system to the draw-off point.

### Water-flushed drinking water connection (Fig. 2)

Installing a draw-off point in a ring system and series pipeline would appear to be the ideal solution for ensuring the required drinking water quality at rarely used draw-off points. A T-piece with internal thread guarantees hygienically optimised pipe routing with regular water exchange.





## Sanpress Inox XL

# THE STANDARD FIXTURE IN INSTALLATION TECHNOLOGY.

Sanpress Inox XL press connectors in the dimensions 64, 76.1, 88.9 and 108 mm can be used for a broad range of applications in the building services and industrial sectors. Thanks to the high degree of practicality and broad diversity with adapter solutions, even constricted spaces no longer present a problem. In addition, the 64 mm dimension bridges the gap between the 54 and 76.1 mm diameters. This avoids the extra costs that would otherwise be incurred by installing oversized nominal diameters.



### XL sliding coupling

When extending riser pipes in narrow shafts, it is often difficult to join the individual components together. Thanks to optimally matched system components, the Sanpress Inox sliding coupling for example, all connection variants can be created quickly and smoothly even in the tightest of spaces.

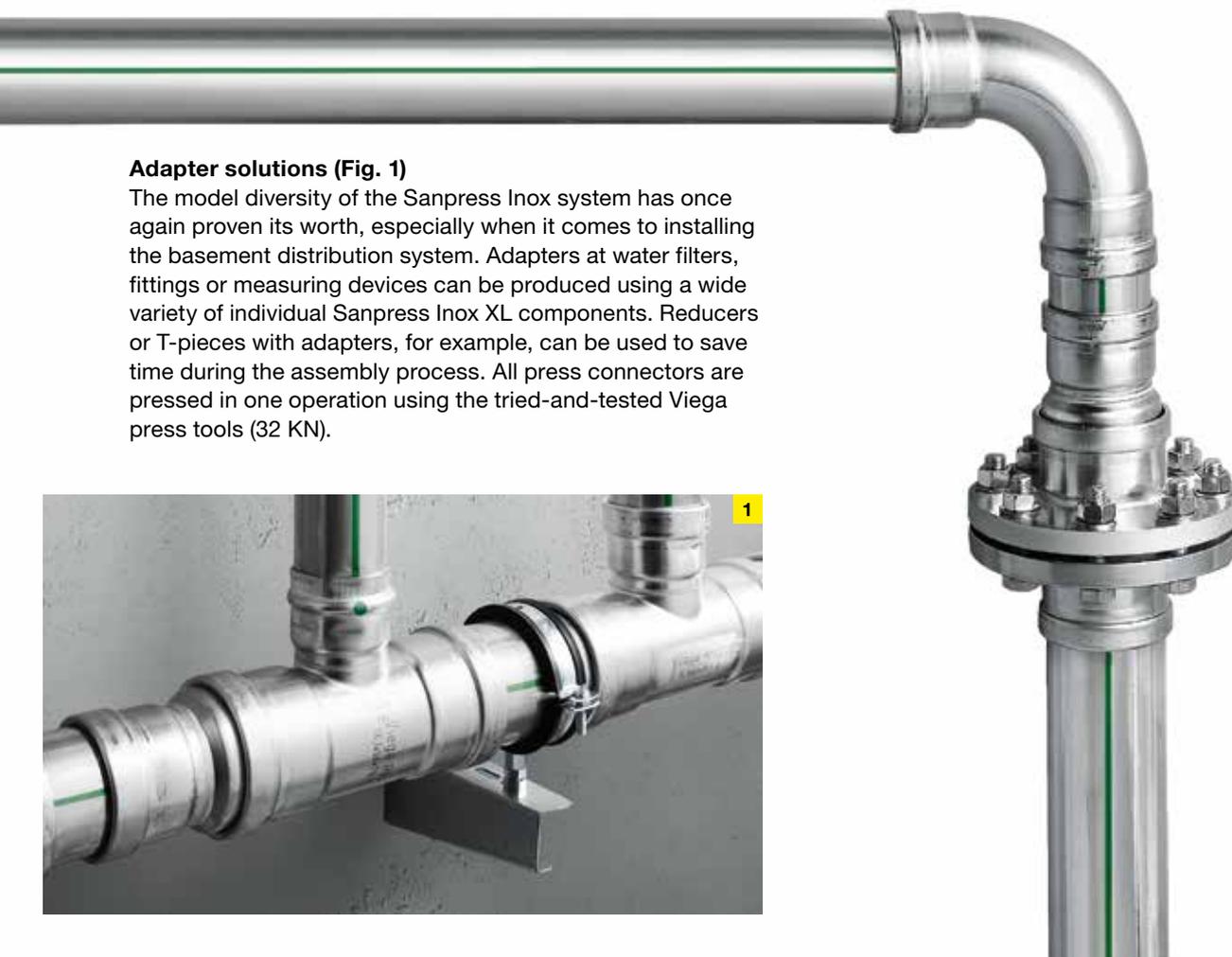


### Flanges

The Sanpress Inox flange adapters from DN 20 to DN 100 have a press sleeve with Viega SC-Contur instead of a thread. This consigns the usual method of sealing with sealants firmly to the past. For the installation of especially large components, the system offers you solutions in oversize: Sanpress Inox XL flange adapters with press connection in dimensions of 64 to 108 mm.

### Adapter solutions (Fig. 1)

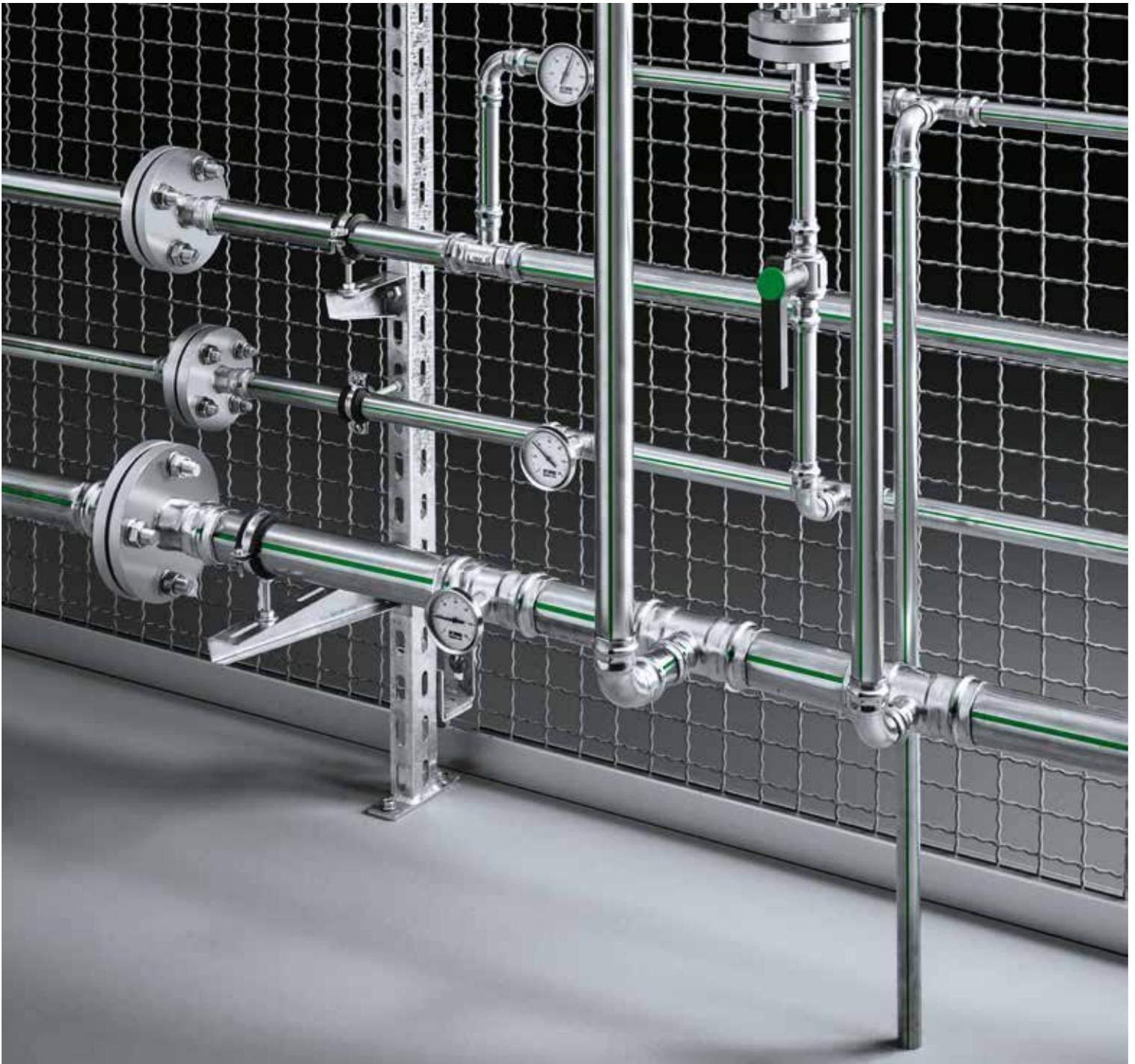
The model diversity of the Sanpress Inox system has once again proven its worth, especially when it comes to installing the basement distribution system. Adapters at water filters, fittings or measuring devices can be produced using a wide variety of individual Sanpress Inox XL components. Reducers or T-pieces with adapters, for example, can be used to save time during the assembly process. All press connectors are pressed in one operation using the tried-and-tested Viega press tools (32 KN).



## Viega Sanpress Inox

# QUALITY UNDER PRESSURE: INDUSTRIAL AND SPECIAL APPLICATIONS.

Viega systems have proven their worth where materials and technology have to withstand the greatest stress: industry. They are used in industrial cooling and process water pipeline systems, as well as in compressed air systems, among others.





#### Sanpress Inox for plant engineering

Sanpress Inox and Sanpress Inox G are designed to transport special media. The broad-ranging operating states in industrial plants mean that the system and the sealing material have to be selected with particular care. High-quality sealing materials (EPDM and HNBR) in the Sanpress Inox press connectors also offer convincing solutions in supply systems. Under tough conditions, they demonstrate extreme operating and long-term reliability.

#### Assembly safety with technical gases

Sanpress Inox and Sanpress Inox G are used in industry to transport numerous different gases. These systems prove their worth even at the assembly process stage: thanks to the cold press connecting technology, systems can be quickly and efficiently installed even in highly protected areas.

#### Resistant in compressed air installations

Compressed air is a compressible medium that places high demands on the connection points between pipe and press connector. The press connectors of the Sanpress Inox and Sanpress Inox G systems therefore have a sealing element that meets the high quality

requirements. The Sanpress and Sanpress Inox systems offer long-term resistance thanks to their outstanding material properties.

#### Practical example of a wall hydrant

Fire extinguishing, sprinkler and fire protection systems can also be effortlessly installed with Sanpress Inox. The tried-and-tested Viega pressing technology makes for quick and easy installation.





## Viega Sanpress Inox G

# A RELIABLE PROGRAMME.

Absolute safety is paramount in gas installation. The experts therefore place their trust in Sanpress Inox G. First because of the stainless steel material, and second because of the tried and tested HNBR sealing element.



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### The Sanpress Inox G system (Fig. 1)

The pipes and press connectors are made of 1.4401 stainless steel, approved for gas installation in accordance with DVGW-TRGI 2018. The dimensions 15 to 108 mm are rated for natural and liquid gas. In addition to this, the dimensions from 15 to 54 mm can be used for applications involving heating oil and diesel fuels.

### Safety factor Viega SC-Contur (Fig. 2)

Safety first, especially when it comes to gas installations. The Sanpress Inox G press connectors are also set apart by the safety factor of the DVGW-certified Viega SC-Contur. With yellow marking and the yellow dot of the SC-Contur, Viega offers you the highest level of safety. The leakage test therefore clearly shows any leaks caused by unpressed connectors. The leak tightness of the installation is checked centrally at the test pressure gauge. The HNBR sealing element, also yellow, is protected from damage by the cylindrical pipe lead-in. The double pressing guarantees additional safety.



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## Viega Sanpress Inox G

# PERFECT IN COMBINATION WITH VIEGA GUNMETAL.

Combined with the Viega gas fittings, the Sanpress Inox G stainless steel system offers a simple and cost-effective connection. The gunmetal adapters and ball valves offer connection options to all necessary appliances and guarantee the safety that is so important in gas installations.



**Quick and economical**

With Sanpress Inox G, the entire building installation can be realised quickly and safely: from the main shut-off device to the connection of the gas appliances. The combination with the Sanpress Inox G connectors and adapters, gas appliance ball valves or gas sockets is a cost-effective one. Allowing you to create safe and quick connections – and practically any connection to fittings, apparatus and appliances.



**Sanpress Inox G – flexibility for gas installations in industrial applications.**



**Offering a wide range of possibilities for gas appliance connections.**

## 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](http://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 ½ 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 ⅜ 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 ½ 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 ⅜ 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 ½ 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 6 Plus makes it possible to carry out single-handed pressing of XL dimensions.



### 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](https://www.viega.com/SystemPressTools)

## Viega Sanpress Inox

# THE PRODUCT RANGE.

The overview below shows only some of the numerous Viega Sanpress Inox products, demonstrating the system's wide range of products and applications. The number indicated is the model number. It describes the type of connector and components. More detailed information is available from the model number index in the product catalogue.

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

	● 2205		● 2205XL		● 2203 ● 2203		● 2203XL ● 2203XL
	● 2209.3		● 2316 ● 0216 ● 2316LF		● 2316XL ● 0216XL ● 2316XLLF		● 2316.1 ● 0216.1 ● 2316.1LF
	● 2316.1XL ● 0216.1XL ● 2316.1XLLF		● 2326 ● 0226 ● 2326LF		● 2326XL ● 0226XL ● 2326XLLF		● 2326.1 ● 0226.1 ● 2326.1LF
	● 2326.1XL ● 0226.1XL ● 2326.1XLLF		● 2318 ● 0218 ● 2318LF		● 2318XL ● 0218XL ● 2318XLLF		● 2317.1
	● 2317.2 ● 0217.2 ● 2317.2LF		● 2317.2XL ● 0217.2XL ● 2317.2XLLF		● 2315 ● 0215 ● 2315LF		● 2315XL ● 0215XL ● 2315XLLF
	● 2315.1 ● 0215.1 ● 2315.1LF		● 2315.1XL ● 0215.1XL ● 2315.1XLLF		● 2311 ● 0211 ● 2311LF		● 2311XL ● 2311XLLF
	● 2312 ● 0212 ● 2312LF		● 2314 ● 0214		● 2314.5		● 2314.2 ● 0214.2
	● 2311.1		● 2312.1		● 2315.5 ● 0215.5 ● 2315.5LF		● 2315.5XL ● 0215.5XL ● 2315.5XLLF

	<ul style="list-style-type: none"> <li>● 2325.5</li> <li>● 0225.5</li> <li>● 2325.5LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2325.7</li> </ul>		<ul style="list-style-type: none"> <li>● 2360</li> <li>● 2360LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2362</li> </ul>
	<ul style="list-style-type: none"> <li>● 2365</li> <li>● 2365LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2355</li> </ul>		<ul style="list-style-type: none"> <li>● 2363</li> <li>● 2363LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2364</li> </ul>
	<ul style="list-style-type: none"> <li>● 2327</li> </ul>		<ul style="list-style-type: none"> <li>● 2356</li> <li>● 0256</li> <li>● 2356LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2356.1XL</li> <li>● 0256.1XL</li> </ul>		<ul style="list-style-type: none"> <li>● 2356XL</li> <li>● 2356XLLF</li> </ul>
	<ul style="list-style-type: none"> <li>● 2357.1XL</li> </ul>		<ul style="list-style-type: none"> <li>● 2359</li> <li>● 2359LF</li> </ul>		<ul style="list-style-type: none"> <li>● 2359XL</li> <li>● 0259XL</li> <li>● 2359XLLF</li> </ul>		<ul style="list-style-type: none"> <li>● 2276.1</li> </ul>
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