

Viega Industry

Installation Systems for Industrial and
Plant Engineering.



viega



Viega. A better idea!

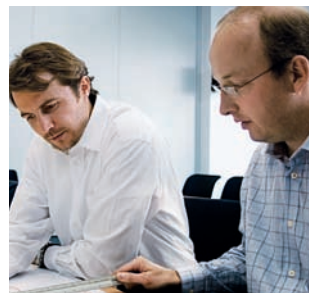
Family Tradition

The name Viega stands for a family company which set high standards from the word go. Product quality, client proximity, reliable delivery and service performance – all these standards are imposed company-wide. One thing is for certain: you need more than a good idea to compile an international success story. Courage, delight in innovation and passion are that qualities that, for good reason, have shaped the company for 100 years.



Quality and Service

With 16,000 products, Viega offers a product range which is unique in its sector – even for the field of industrial systems and plant engineering. The products not only set exemplary standards in quality and cost-effectiveness, but also in the field of service. Every project is individually and competently supervised.



More safety, less Downtime

To be able to prevent downtimes, Viega has all of its products in stock and they can reach their destination within 24 hours. Viega press technology guarantees smooth assembly in an operating plant.

A huge advantage for more efficiency and cost-effectiveness, to which the solutions discussed in this brochure also contribute: high-quality piping systems for technical gases, liquid media and special applications. True to our mantra: Viega. A better idea!



Industrial Installations by Viega. Innovative Products with the Viega Plus.

At first glance, Viega offers a multitude of ultra-modern products for the field of industrial plant engineering. At second glance, there's lots more concealed behind each of these individual solutions. The Viega Plus: Service, consultation, knowledge and fully-developed system solutions.



New Sanpress Inox XL Flanges

The flanges for transitions to industrial fittings in installations, e.g. with liquid media, they are used instead of a screw thread with press coupling - for safe and quick processing.

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Sanpress XL Connector with Manometer Connection

The practical and compact XL-Tee with multi-reduced outlet for manometer connection. Suitable for different industry media such as installations which are constructed for use with technical gases. With cold press technology, it can be assembled in seconds, safely and with no fire risk.

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Sanpress Inox XL Sliding Collar

The best product for repairs and upgrades. Joining individual components is noticeably easier as a result.

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PWIS-free Easytop System Fittings

Pure quality for special media: absolutely pure, silicone-free components, for example, for the ultra-sensitive painting processes of the automobile industry.

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Prestabo Press Connection System

With Prestabo, Viega offers you an economical system between 12 and 108 mm in dimension for, e.g., special applications such as district heat transfer stations or heating systems.

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Viega Service from Consultation to Logistics: Competence and Solutions that make a Difference



Constant Quality Checks provide Safety

Only high-quality products guarantee operational safety in industry and ensure the lowest possible number of downtimes as a result of repairs. For this reason, Viega puts all its components through the strictest quality tests, which check durability and lifespan under practical conditions. Because quality begins in the development phase.

Always here for you: Viega Service

Viega does not just compete in terms of the high quality of its products. It is also a frontrunner in terms of its extensive service concept. Every project is individually advised on-site by Viega application specialists. Clear material recommendations, extensive laboratory tests, training sessions and competent technical consultation, e.g. concerning the tender. Showing that for Viega, "Service" is more than a word.

Extract from the Material Recommendation

Before making decisions on material, please speak to our plant in Attendorn.

Field of Application	Profipress (Copper/Gunmetal)	Profipress LF (Copper/Gunmetal)	Profipress G (Copper/Gunmetal)	Sanpress Inox (Stainless steel)	Sanpress Inox G (Stainless steel)	Sanpress (Gunmetal)	Sanpress LF (Gunmetal)	Industrial Pipe Inox 1.4520 (Stainless steel)	
Technical Gases									
Compressed air	x	x	x	x	x	x	x	x	
Biogas					x				
Oxygen	x	x	x	x	x	x	x	x	
Nitrogen	x	x	x	x	x	x	x	x	
Noble gases, argon, corgon, etc.	x	x	x	x	x	x	x	x	
Acetylene				x	x			x	
Natural gas			x		x				
Liquid gas			x		x				
Liquid Media									
Heating oil			x		x				
Diesel fuels			x		x				
Coolant cycles	x	x	x	x	x	x	x	x	
Sprinkler systems	x	x		x				x	
Fire protection	x	x		x		x	x	x	
Drinking water	x	x		x		x	x		
Process water	x			x	x	x	x	x	
Special Applications									
PWIS-free connector		x					x	x	
Ship building	x			x		x			
Heating and cooling									
Coolant pips	x	x		x		x	x	x	



	Prestabo (Galvanised Steel)	Seapress (CuNiFe)	Sanfix Fosta (Gunmetal/Pe-Xc)	Geopress (Gunmetal)
	X	X	X	X
	X	X	X	X
	X	X	X	X
			X	X
			X	X
		X	X	
	X	X	X	X

Tried and tested Safety

Every industry branch is obligated to observe the valid standards. For Viega, it goes without saying that all products from its extensive range more than satisfy the legal regulations. Irrespective of whether it will be used in the automobile industry, in ship building or chemical operations - Viega always fulfils the legal national and international requirements.

Viega Laboratories determine the right Material

When selecting and installing the suitable substances, materials, dimensions and systems, Viega leaves nothing to chance: its own laboratories develop the individual customer recommendations - incorporating the relevant operational conditions such as pressure, temperature, and concentration of media. In addition, the technical consultation department can support you on 0049-2722-61 1297 or at info@viega.com

Constant Press Technology (1)

The foundation of the Viega quality promise is the patented press technology with universal pressing tools Pressgun 4B (battery operated) and Pressgun 4E (mains operated). They make time-intensive and risky welding and soldering unnecessary. The cold Viega press technology is safer, quicker, more efficient and longer-lasting than conventional processing methods. Even XL sizes can be pressed in seconds, making them longitudinally force-locked and permanently leak-proof. With the DVGW-certified SC-Contur, Viega offers a unique safety factor for all press systems, which also provides visible inspection safety in industrial and plant engineering.

16,000 Products in Stock, available in 24 Hours

In the production industry, no one can afford to have long periods of down-time. Viega guarantees its partners that any of its total of 16,000 products will be available punctually within one day. Even special solutions are constantly in stock at Viega and can be delivered just in time.

Viega Installations for Technical Gases. Pure Quality for Clean Media.

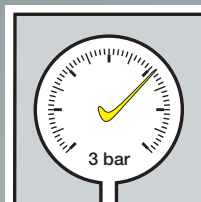
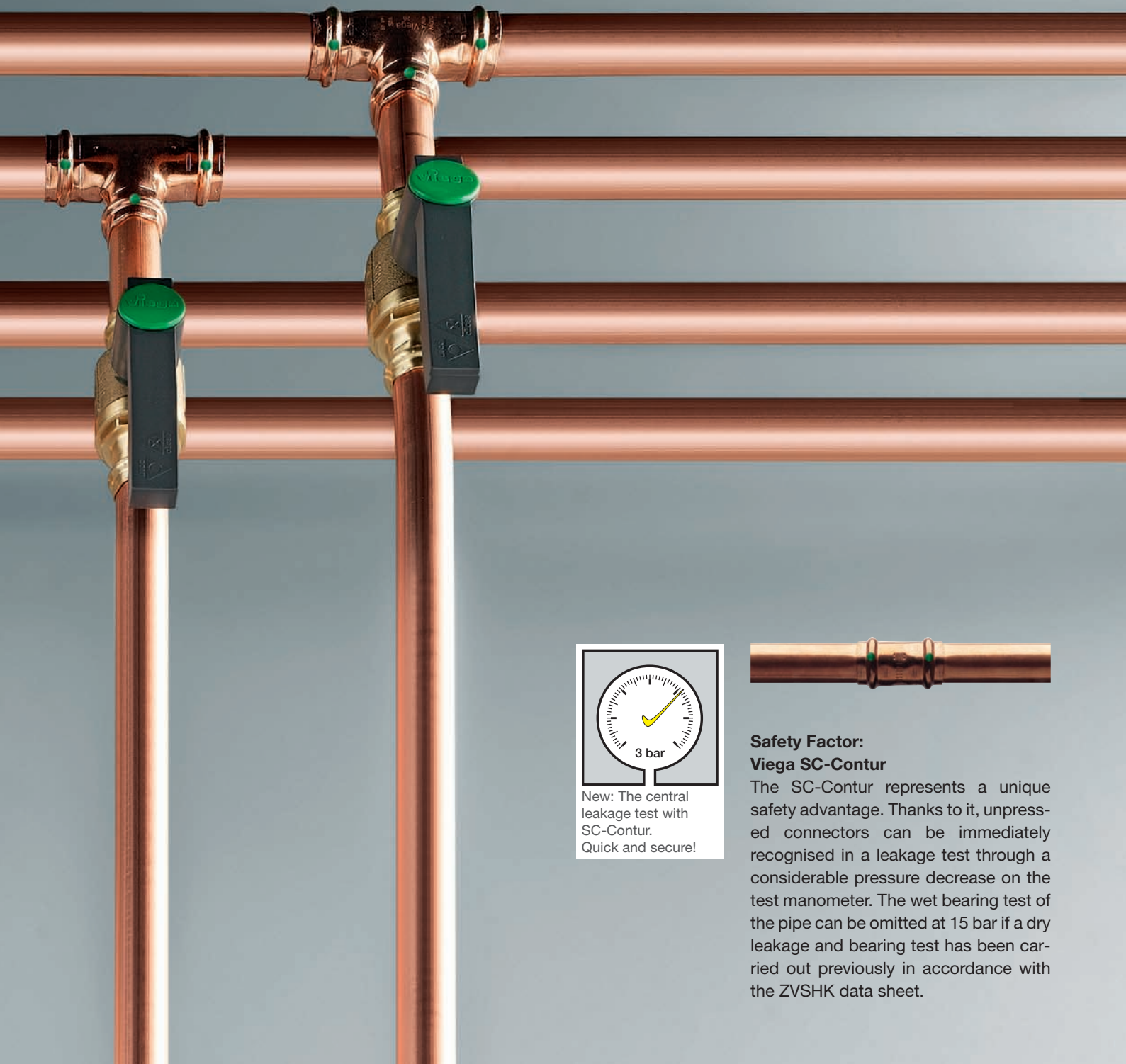


When it comes to technical gases, Viega systems are an outstanding recommendation. For example, Viega Profipress – the press connector system with copper pipes of sizes between 12 and 108 mm. Viega Profipress stands for water-proof installations without leakages, which could reduce the purity of gases. The system is suitable for different pressures, temperatures and media properties.



Gas Ball Valves with Press Technology

With the direct press connection and SC-Contur, Viega Profipress G gas ball valves in accordance with DIN EN 331 have state-of-the-art technology. Ball valves with Sanfix P connections are also available as an option.



New: The central leakage test with SC-Contur. Quick and secure!



Safety Factor: Viega SC-Contur

The SC-Contur represents a unique safety advantage. Thanks to it, unpressed connectors can be immediately recognised in a leakage test through a considerable pressure decrease on the test manometer. The wet bearing test of the pipe can be omitted at 15 bar if a dry leakage and bearing test has been carried out previously in accordance with the ZVSHK data sheet.

Experience brings Safety. The Best References in Copper and Gunmetal.



Withstands high Pressure

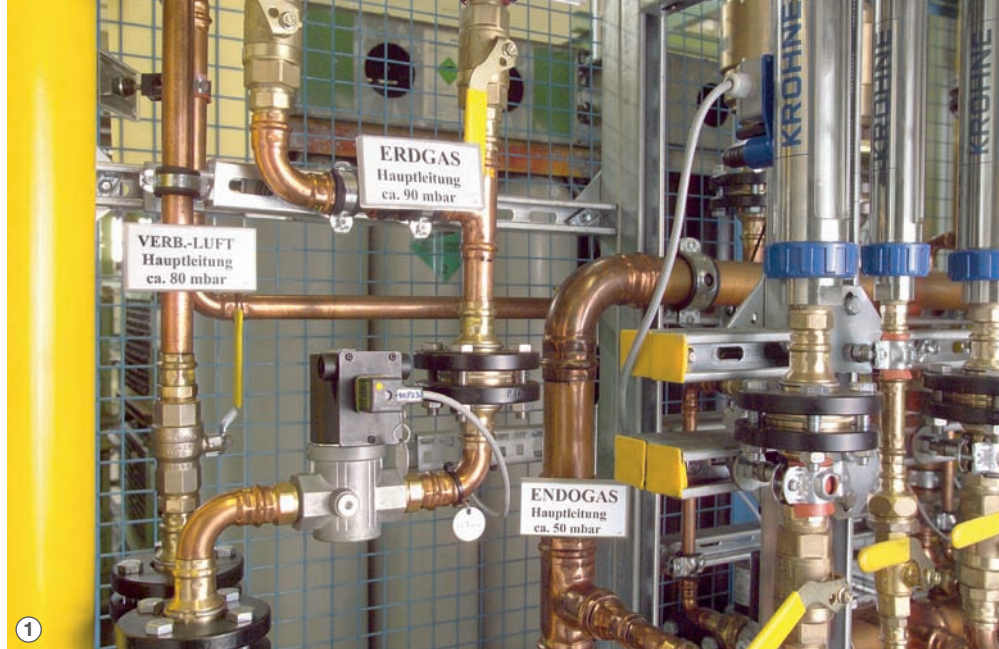
The core of a pipe connector is its sealing element. Only high-quality elastomers, which are harmonised exactly to the appropriate media as well as pressure and temperature conditions, can guarantee the perfect operation of industrial installations in the long term.

Quality in Practical Test

In accordance with the relevant fields of use and media, different elastomers can be used in the connectors of the Profipress, Profipress G and Profipress PWIS-free systems: up to 110 °C resistant EPDM and FKM seals for higher temperature ranges. Connectors with HNBR sealing element are also more

thermally resistant in order to fulfil the high protective objectives of the TRGI for has installations in the household area. If you have any questions, our service team and technical consultation department are always at hand.

With Viega, it is possible to install an identical pipe system for all types of gas, thus considerably reducing storage.



Regattabahn:
With the Viega press technology, even natural gas installations in XL dimensions can be safely pressed in seconds.



Practical Example of Plant Engineering (1)

The requirements in industrial and plant engineering are high: reliable systems, rapid assembly and, last but not least, low storage logistics are decisive criteria. Viega offers you a multitude of practical solutions. For example, if storage and maintenance costs must be reduced and different types of gas must be fed through a standardised pipe system, then the right system can be quickly determined: Viega Profipress G. The high-quality and versatile system can be used for all conventional gas types, just like the HNBR sealing element of its connectors, offers a huge variety of pipe diameters and can be quickly and safely installed with help from Viega press technology. The quick assembly guarantees that expensive downtimes are avoided.

Regattabahn, Duisburg (2)

With the Sanpress Inox G, the responsible managers decided on one of the versatile Viega system solutions to replace the heating system on the Regattabahn. The main advantage of the stainless steel system: in sizes of 15 to 108 mm, it combines the highest material safety with the advantages of the cold Viega press technology. From the connection of two large boilers to the natural gas supply through to the installation of electrical cut-off points and the assembly of the gas meter system, the necessary works could be carried out very quickly with Sanpress Inox G press connectors. As a result, there is no need for any laborious welding work.

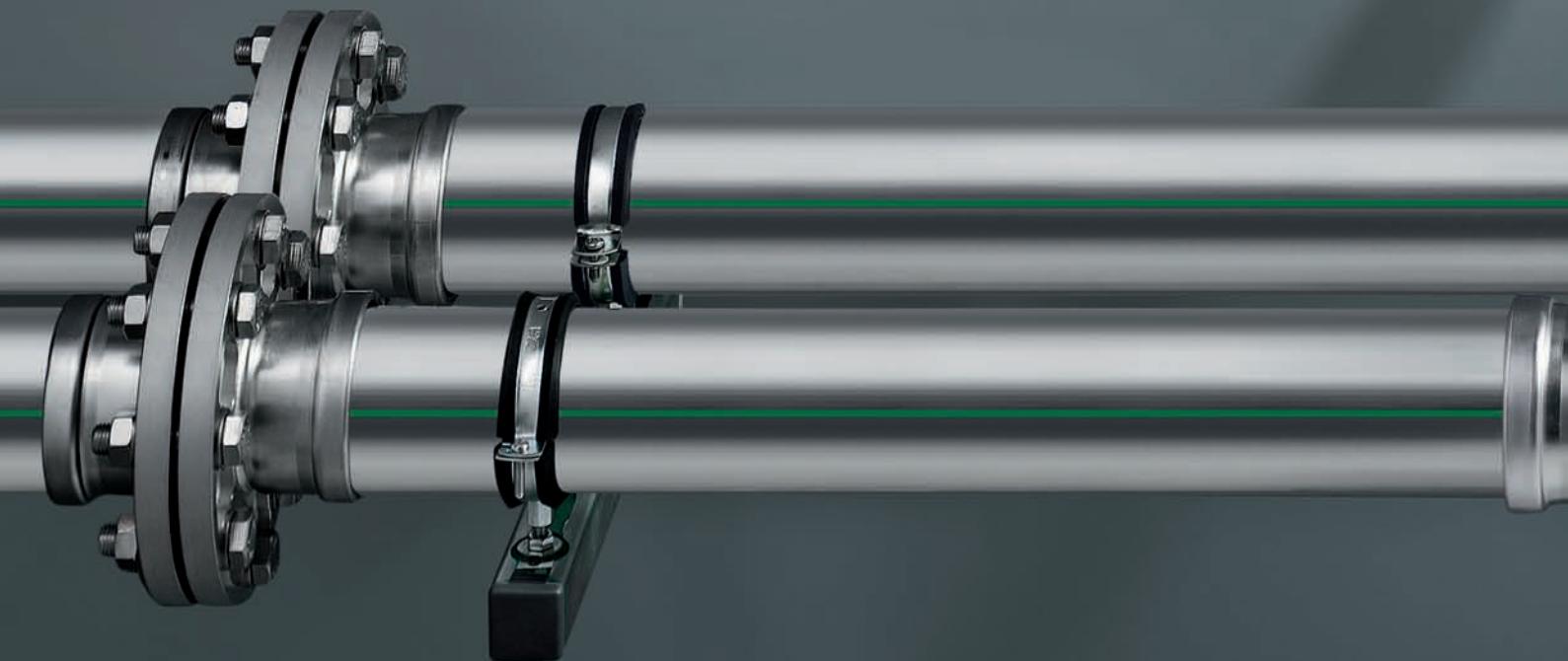
Convincing in terms of Hygiene and Technology. Viega Installations for Liquid Media.

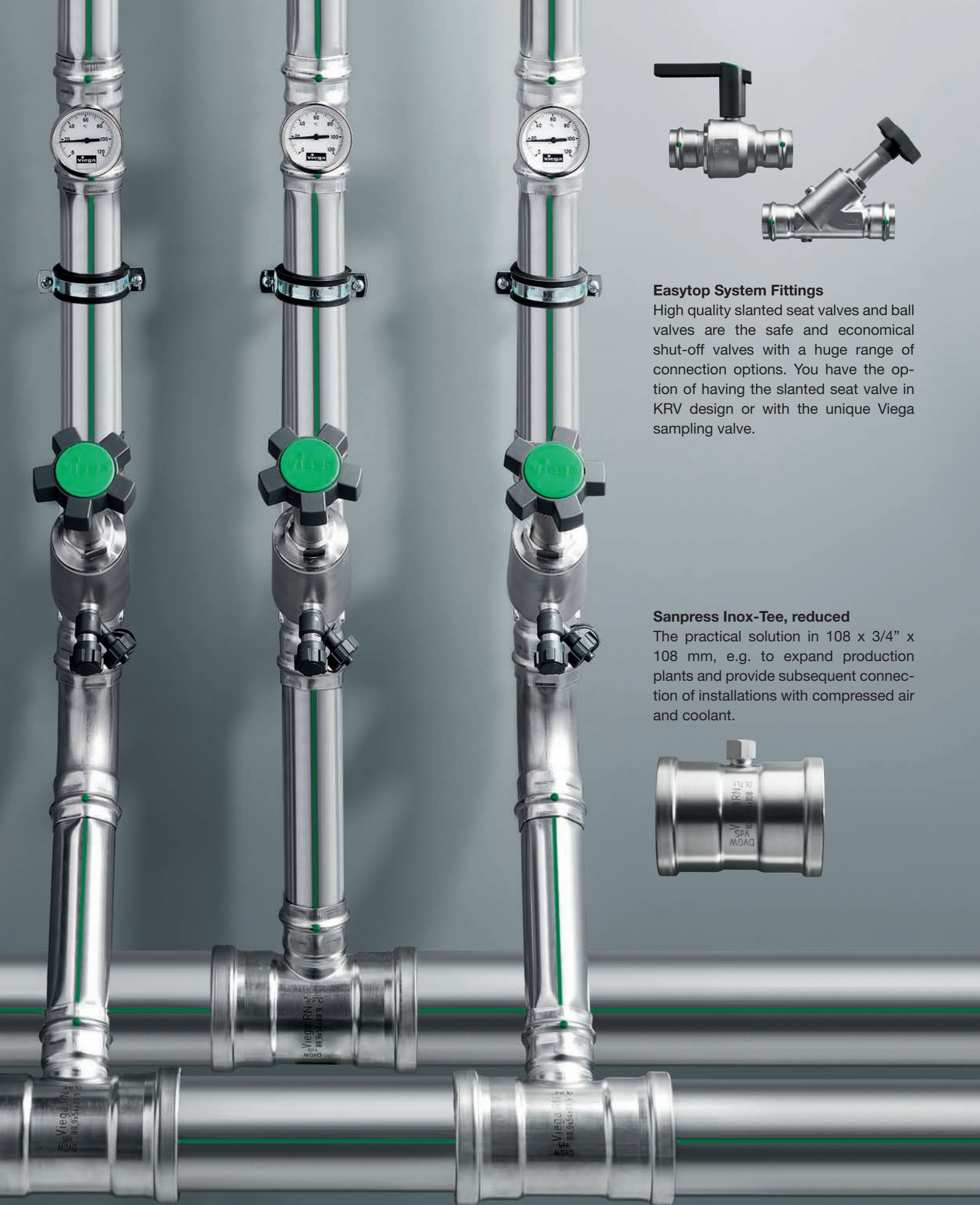
Wherever materials and technology are subject to a maximum of demands, Viega systems have proven themselves particularly. With the Sanpress pipe 1.4521, Viega is also the first manufacturer to offer you a nickel-free stainless steel pipe which sparkles in industrial and plant engineering with cost effectiveness and planning safety, even in XL dimensions. In addition, you can now have the new Industrial Pipe Inox 1.4520 stainless steel pipe which is especially suitable for industry, heating and compressed air plants. With both pipe systems, you have the usual Viega quality with a versatile and practical range of connectors.



Sanpress Inox Flanges

The practical component to connect to industry fittings is available in sizes 15 to 108 mm.





Easytop System Fittings

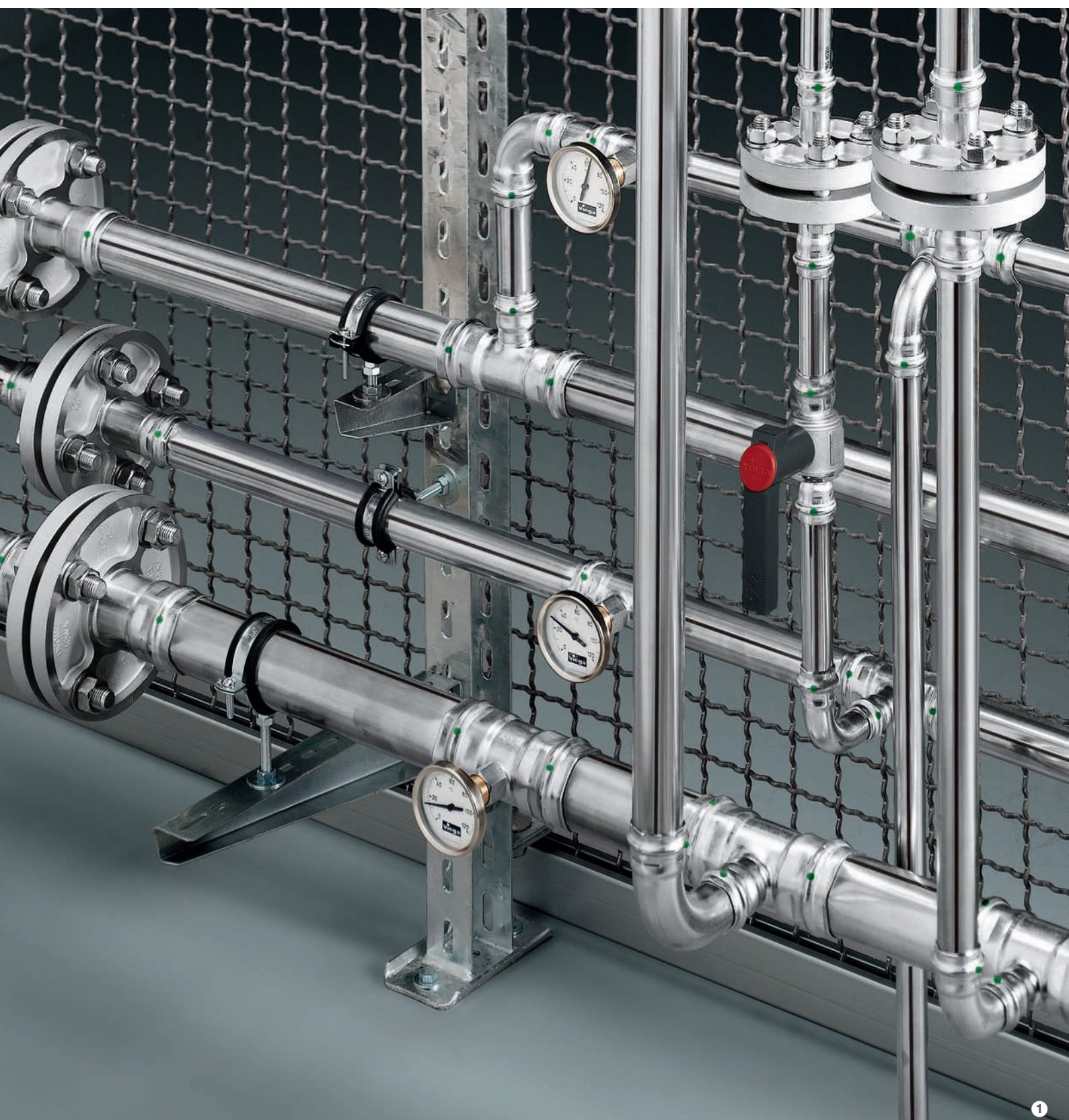
High quality slanted seat valves and ball valves are the safe and economical shut-off valves with a huge range of connection options. You have the option of having the slanted seat valve in KRV design or with the unique Viega sampling valve.

Sanpress Inox-Tee, reduced

The practical solution in 108 x 3/4" x 108 mm, e.g. to expand production plants and provide subsequent connection of installations with compressed air and coolant.



Quality under High Pressure: Practical Solutions for any Situation.





Water is not just Water

Partly or completely desalinated, softened or treated, treated for chemical, procedural or other processes – in industrial and plant engineering, a huge variety of water qualities are used. However, as varying as the media are, the Viega Sanpress Inox stainless steel system always offers you a suitable solution.

For the highest Hygiene Requirements

Sanpress Inox does not just withstand aggressive and abrasive liquids, it is DVGW-certified and ideally suited for use with the sensitive medium of drinking water. Even under intense conditions, when it has been disinfected in accordance with § 11 of the Trinkwasserverordnung (Drinking Water Ordinance).

Industrial Pipe Inox 1.4520 for Plant Engineering (1)

Various operating conditions in industri-

al plants require careful selection of the system and sealing element in order to ensure the highest operational safety and lifespan in practice. As a practical system, the new Industrial Pipe Inox 1.4520 is particularly suitable. It is especially suited for the transportation of special media and is an cost-effective alternative to other raw materials. A black label tells you "Not suitable for drinking water". Even for special applications, the range includes intelligent solutions with connectors in sizes from 15 to 108 mm, which are quickly available at any time like all Viega components. Our service team is happy to advise and support you in the selection of the right solution.

Practical Example Pipe Disconnect (2)

Even the installation of fire extinguishers and fire alarm systems can be effortlessly carried out with Viega Sanpress Inox. Fire extinguishing systems with very high volume flows must be decoupled

from the drinking water network in accordance with DIN EN 1717. The pipe disconnecter provided for this can be easily and quickly connected with the tried-and-tested Viega press technology.

Wella, Ondal (3)

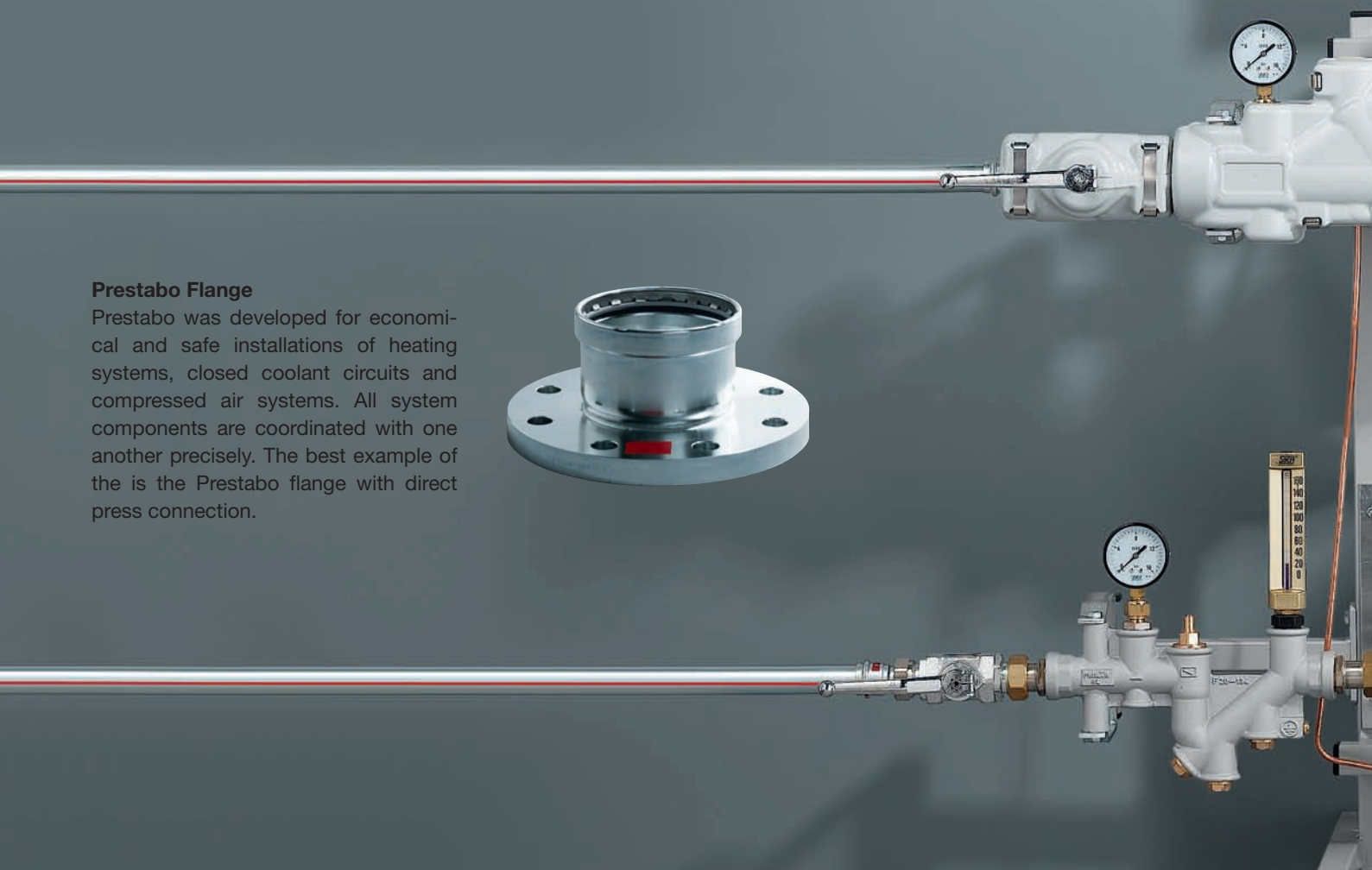
In the production premises of Wella, Sanpress Inox exhibits the whole spectrum of its possibilities. Here, the old pipe network, made of various materials, was completely exchanged for the modern Viega stainless steel solution. The decisive reasons: Sanpress Inox satisfies very high hygiene regulations, is suitable for a huge variety of media and can be installed particularly quickly and safely. Thanks to the patented Viega press technology, work can be carried out completely without open flames in, for example, the explosive hair-spray production area.

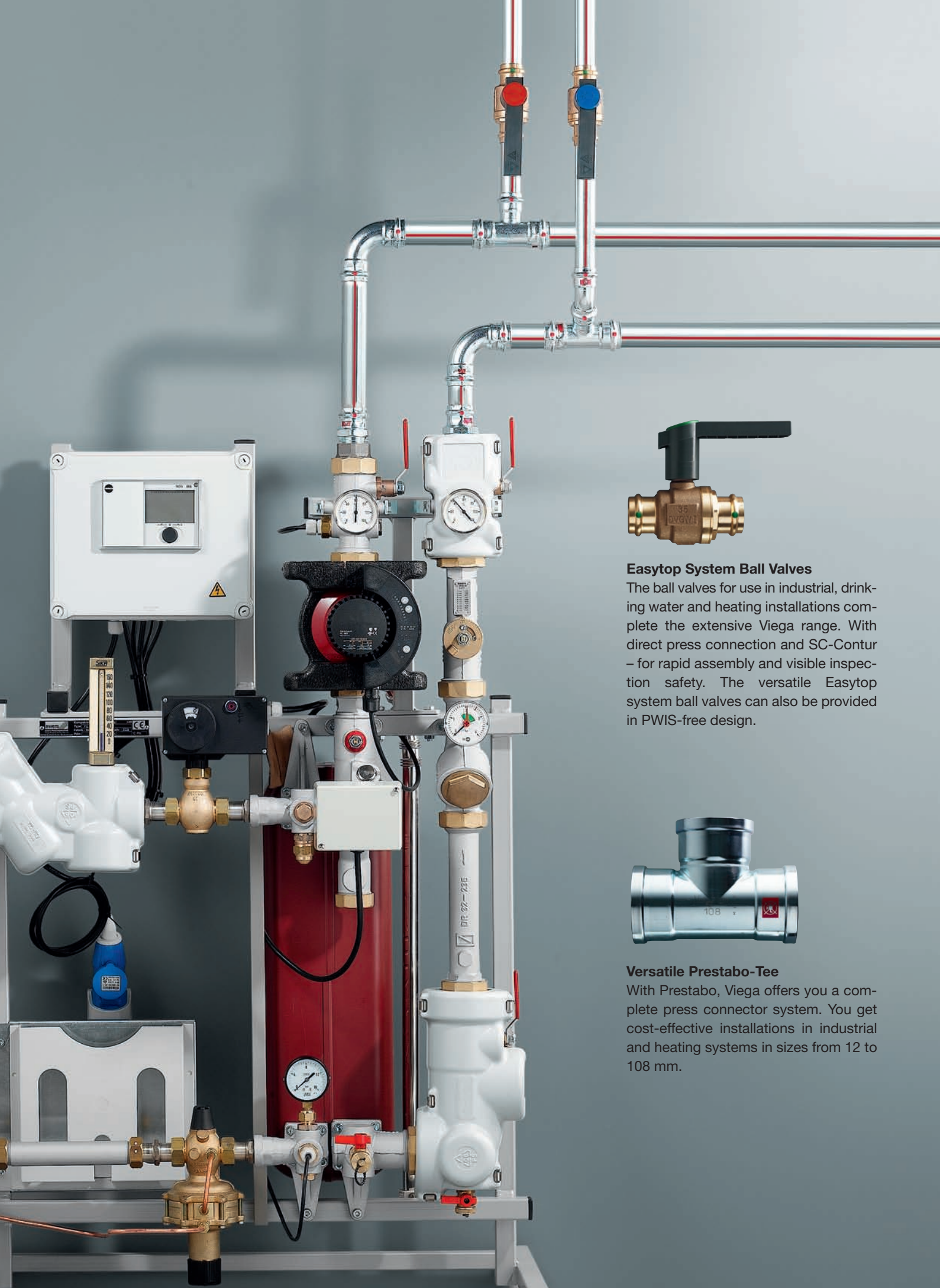
Viega Installations for Special Applications. A Ton of Experience is concealed behind them.

More and more providers and plant builders are using Viega in the district heating sectors. And with good reason as the strengths of the tried-and-tested systems are obvious: they can be processed quickly and without risk. With EPDM or FKM sealing elements, the transfer to district heating transfer stations with high temperatures can be perfectly finished, for example with Prestabo, the economic system of externally-galvanised steel. The red label immediately tells you “Cannot be used for drinking water”.

Prestabo Flange

Prestabo was developed for economical and safe installations of heating systems, closed coolant circuits and compressed air systems. All system components are coordinated with one another precisely. The best example of the is the Prestabo flange with direct press connection.





Easytop System Ball Valves

The ball valves for use in industrial, drinking water and heating installations complete the extensive Viega range. With direct press connection and SC-Contur – for rapid assembly and visible inspection safety. The versatile Easytop system ball valves can also be provided in PWIS-free design.



Versatile Prestabo-Tee

With Prestabo, Viega offers you a complete press connector system. You get cost-effective installations in industrial and heating systems in sizes from 12 to 108 mm.

Gunmetal and Copper, the perfect Conditions for PWIS-free Installations.



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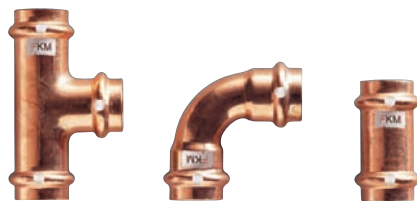
Special Case in Automobile Industry (1)

Even just low amounts of paint wetting impairment substances (PWIS) can negatively influence the painting processes in the automobile industry. One solution which actively prevents damage in this respect is the Viega PWIS-free products – a complete range of specially cleaned, PWIS-free components which you can recognise by the blue point.

Recommending the right material (2)

When it comes to special applications for the industry, Viega is your competent partner. We can work in close cooperation with you to develop an individually tailor made solution for your requirements.

Identification of suitable materials and constant quality checks.



Viega Profipress S for higher temperature ranges can, for example, be used in plant engineering for district heating or low-pressure steam.



Practical Example: Combined Heat and Power Plant (3)

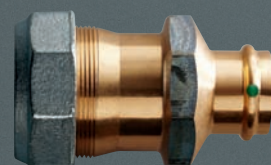
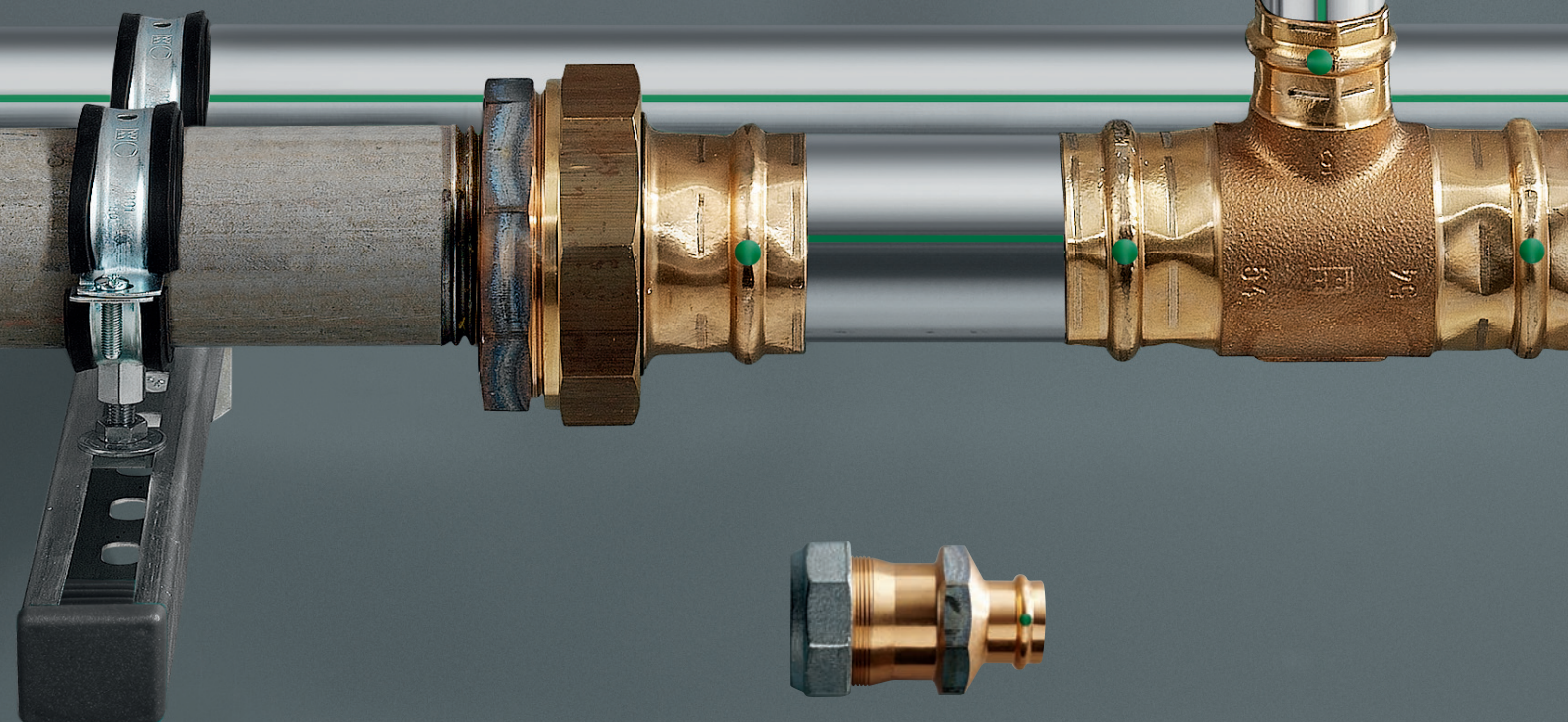
Anyone using state-of-the-art energy technology will find the right partner in Viega to implement their individual projects. One concrete example: the completely independent energy supply with a combined heat and power plant, which is operated with biodiesel and palm oil. As the investment costs play a decisive role in the economical heat and power production with a combined heat and power plant (CHP), the choice of the economical Prestabo system made from externally-galvanised steel stands out here. It was installed in sizes 18 to 76 mm for coolant piping, heat tracing, the connection of tank heating, the heating water piping to the waste-gas heat exchanger and for the house connection.

Audi Production Hall, Neckarsulm (4)

At Audi, state-of-the-art car paint is used. It is water-soluble making it environmentally compatible. However, it reacts to the slightest amounts of silicone, which increases the demands on the installation materials. Therefore, the media pipes and fittings must be completely free from paint wetting impairment substances (PWIS). Just like the PWIS-free press systems from Viega. Audi installed over 20 km of Sanpress piping with 50,000 PWIS-free gunmetal connectors in its plant. All completely free from silicone. This is because Viega first intensively washed and then individually packaged the PWIS-free connectors including the sealing elements. This means they are securely protected from paint wetting impairment substances like silicone residue until the start of processing in your plant.

Necessary even when it comes to Repairs and Upgrades: Safety plus Cost-effectiveness.

When it comes to repairs and upgrades, Viega offers you a multitude of practical components. The superiority of the cold Viega press technology is shown once more as a result. All work can be carried out without the risk of fire which means the involvement of the fire marshal is superfluous, as is e-welding training. As a single compression takes just seconds, long periods of downtime are a thing of the past with press technology.

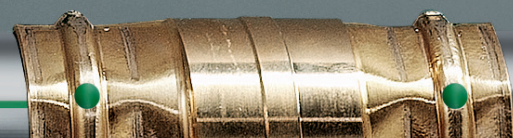


Sanpress Adaptor with SC-Contur
The Sanpress adaptor represents a practical transition of galvanised steel pipe to the Viega press connection systems. Completely without welding or laborious thread cutting.



Sanpress Sliding Collar

With the Sanpress sliding collar, repairs and upgrades to existing systems can be quickly completed. Available in sizes 12 to 108 mm, it bridges the gaps between 58 and 69 mm.



Sanpress Flange

Viega is focussed completely on the industry. This means that fittings and components, such as the Sanpress flange, are available in sizes 28 to 108 mm at any time.

**Viega Press Technology.
Everything a Matter of Seconds.**



Lightning-quick press technology with Viega pressing tools. Forced pressing and automatic return ensure safety, even in XL dimensions.



The Viega jointed press jaws offer a maximum of flexibility in your accessories case. They permit pressing in difficult spatial situations and are compatible with all Viega pressing tools.

Viega Pressguns

Time is money. For this reason, it is especially important in the industry that work takes place quickly, safely and without any major impingements on the production process. For this reason, the Viega pressing tools Pressgun 4B, Pressgun 4E and Pressgun Picco are designed with a maximum of efficiency. They can exhibit an outstanding price-performance ratio and are designed in such a way that secure pressings take only a matter of seconds. The Viega Pressgun Picco for sizes up to 35 mm is characterised by especially small dimensions and the low basic weight of 2.5 kg. It can be flexibly used with the press head which can be rotated by 180°. The jointed press jaws of the pressguns guarantee maximum flexibility, even in XL format – with a patented pivot function in sizes from 12 to 108 mm. This makes pressing possible in almost every angle from the connector. A clear work saver in difficult spatial situations.

Ford Factories, Cologne (1)

At Ford, the piping of the cooling system frequently exhibited new leakages. Massive disruptions to the operating process were the result. An alternative had to be found as quickly as possible which fulfilled the highest quality criteria. The new pipe system needed to withstand different pressures, temperatures and aggressive media and also be a uni-type system to simplify storage logistics. Last but not least, rapid assembly was a condition as, otherwise, expensive downtimes loomed. Laboratory analyses by Viega showed that Sanpress and Sanpress Inox fulfilled all requirements. In addition, the plant was exactly sized up using Viega planning software and then fitted within just one week. Without the safe and quick Viega press technology, the work would have taken much longer.

Viega GmbH & Co. KG
Plumbing and heating systems
Ennester Weg 9
DE-57439 Attendorn
Germany
Phone +49 2722 61-1297
Fax +49 2722 61-1146
info@viega.com
www.viega.com

