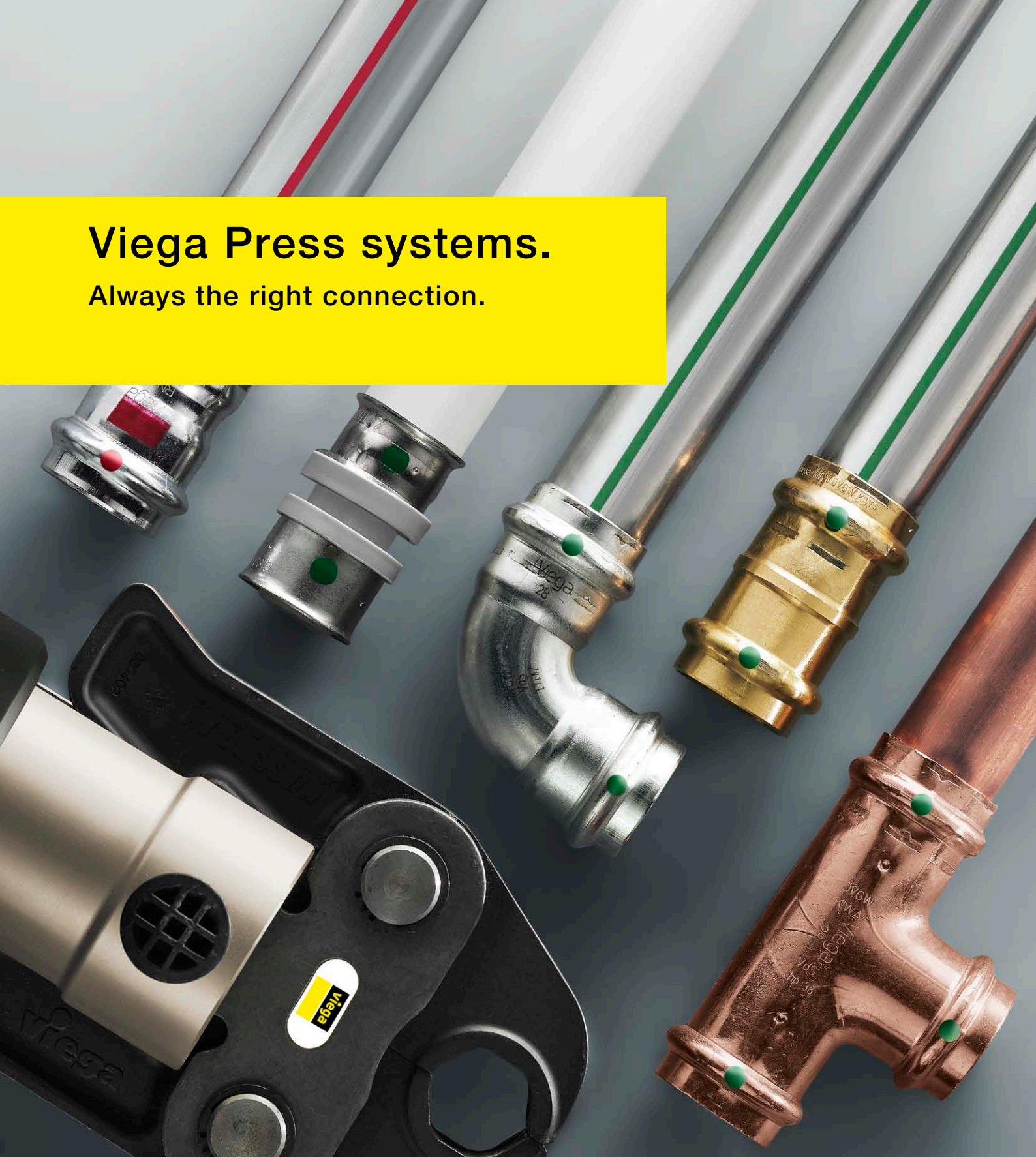
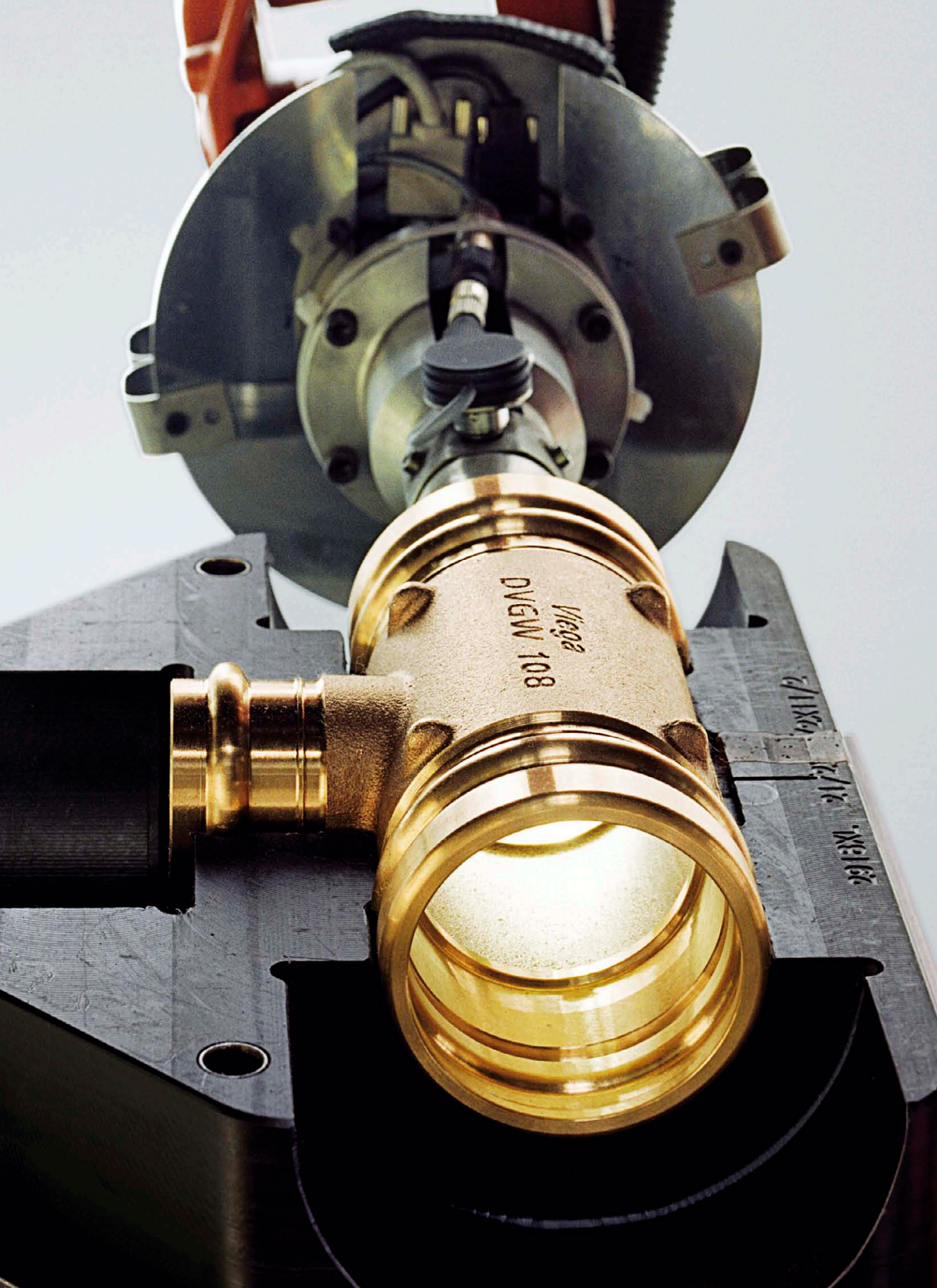


Viega Press systems.

Always the right connection.



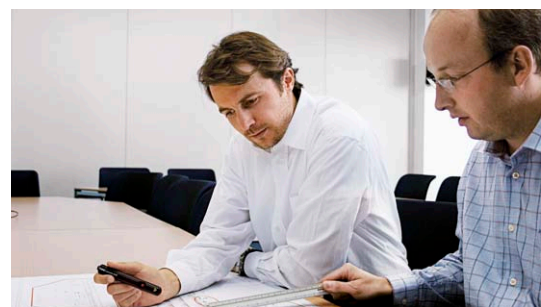


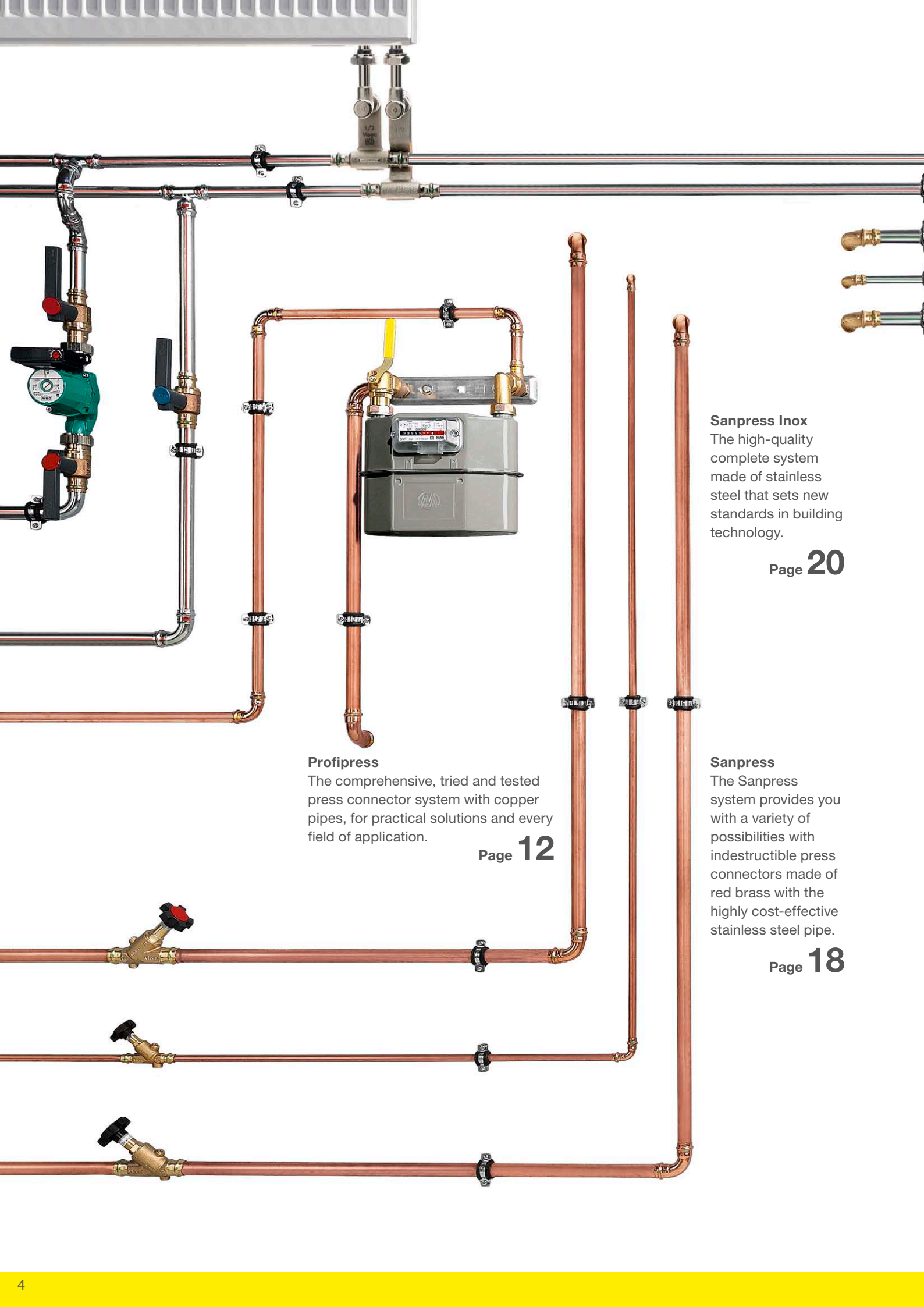
Viega. A better Idea!

Some things last. Even more than 110 years later. At Viega, innovation and entrepreneurial vision are now more alive than ever before – these success factors date back to the company founders. Today, the Viega Group employs more than 3,500 staff worldwide. Viega is working to continue its long-term success at nine locations. While production is concentrated at its four main sites in Germany, the McPherson/USA group manufactures solutions specially designed for the North American market. And the Wuxi/China site focuses on production for the Asian market. The company specialises in installation technology – the constant driver of growth.

Viega has a worldwide reputation for innovations that set standards. Take for example press connection technology, the innovative solution for copper pipe systems. Or the introduction of the SC-Contur for visible inspection reliability in every press connector. With Viega, safety is not just guaranteed upon installation. Viega also offers intelligent solutions for the global challenge of operating hygienic drinking water systems.

“Quality made in Germany” is taken seriously at Viega. Computer-controlled, automated production delivers absolutely reliable results. Each production process is monitored by up to five quality checks that guarantee maximum safety. The result: over 17,000 products for almost every type of application. The equation of quality and flexibility impresses planners, architects, installers and builders around the world. Be it residential apartments, hotels, hospitals, sports areas or production plants – Viega systems are proven for all buildings and applications.





Sanpress Inox
The high-quality complete system made of stainless steel that sets new standards in building technology.


Page **20**

Profipress
The comprehensive, tried and tested press connector system with copper pipes, for practical solutions and every field of application.

Page **12**

Sanpress
The Sanpress system provides you with a variety of possibilities with indestructible press connectors made of red brass with the highly cost-effective stainless steel pipe.

Page **18**



The Viega system range. The range of possibilities.

Press technology from Viega

The practical diversity of Viega piping systems is almost limitless. Viega offers you systems for an installation spectrum that ranges from drinking water, gas, heating and other building technologies all the way to industrial systems and ships.

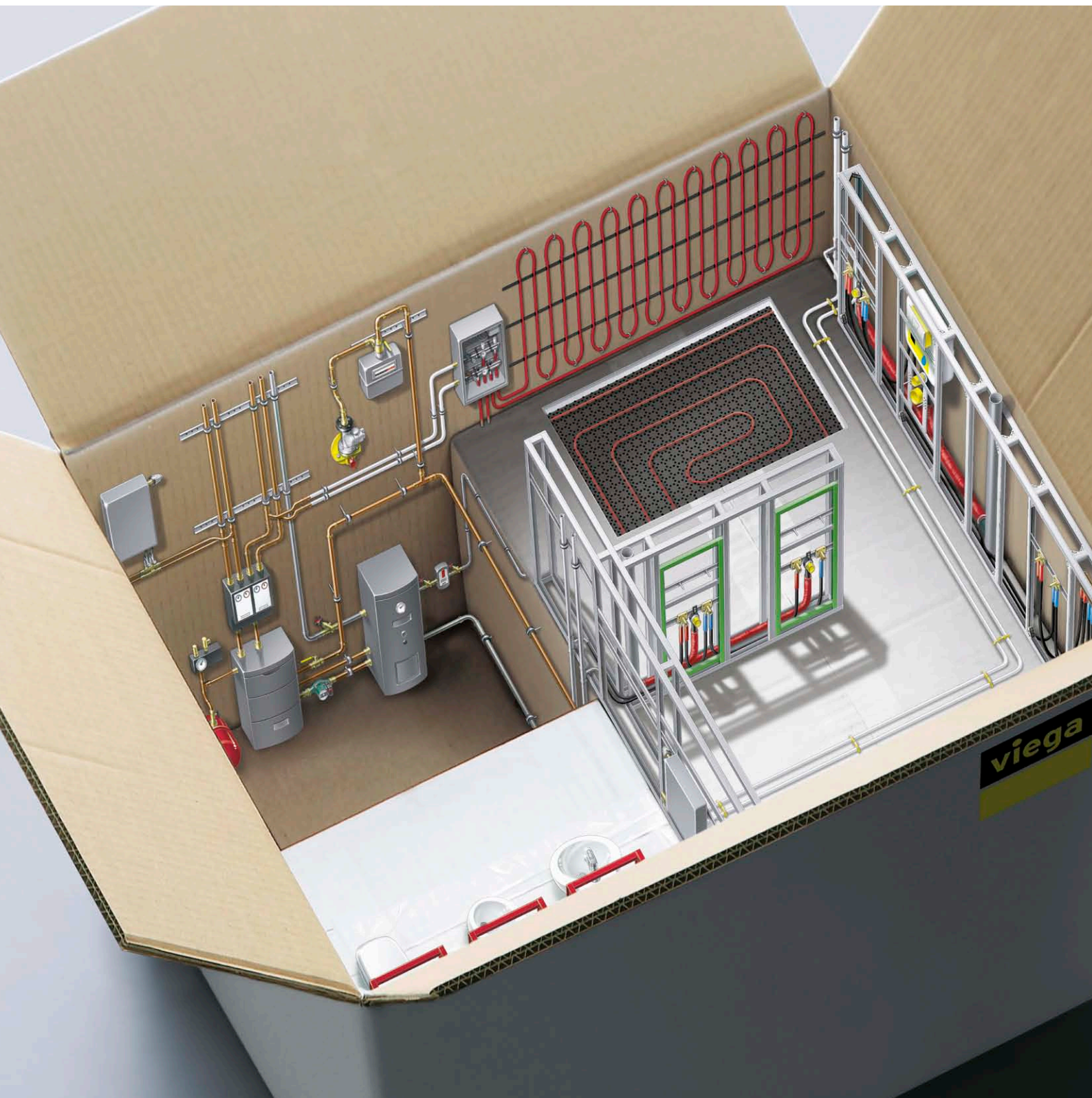
Pexfit Pro

The dimensionally stable plastic piping system that combines assembly friendly flexibility with perfect safety.

Page **24**



**The Viega system world.
The installation technology for all applications.**

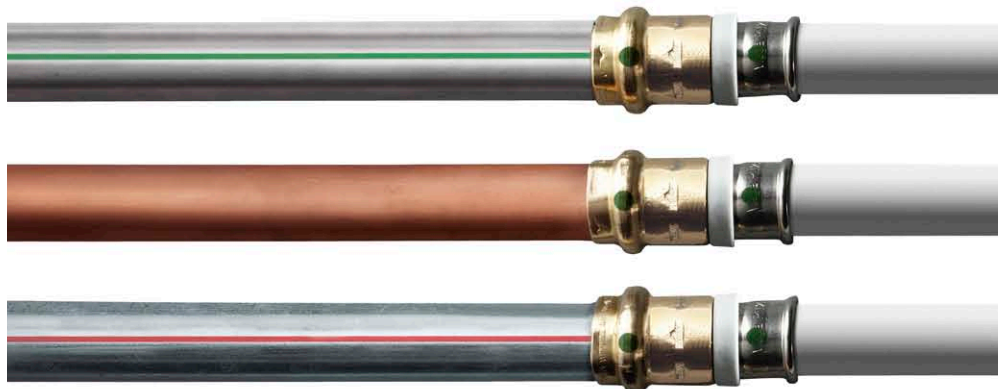


System \ Use	Drinking water	Heating	Gas/Oil	Solar	Industry	Ship building	Special uses
Profipress	✓	✓	–	✓	✓	✓	✓
Profipress G	–	–	✓	–		–	✓
Profipress S	–	✓	–	✓	✓	✓	✓
Sanpress	✓	–	✓	–	✓	✓	✓
Sanpress Inox	✓	–	–	–	✓	✓	✓
Sanpress Inox G	–	–	✓	–	✓	✓	✓
Prestabo	–	✓	–	✓	✓	–	✓
Pexfit Pro	✓	✓	–	–	✓	✓	✓

Overview of the possible uses

The exact areas of application as well as operating temperatures and pressures should primarily be taken from the technical documentation.

The Viega interconnected system: Quality “Made in Germany”. The wide and varied tasks we face every day require complex solutions – precisely planned, thoroughly thought-out and easy to install. We have to be able to rise to this challenge even if materials as varied as copper, bronze, stainless steel and plastic are being used. The Viega interconnected system guarantees this with every single system.



Ideal system connections, thanks to ideal adaptors

As a leading provider in the building technology sector, Viega offers technically convincing and practical overall solutions for the fields of application, drinking water, heating and gas as well as solutions for pre-wall and drainage technology all from one source. You profit from the Viega interconnected system as all of the components are perfectly compatible with one another. Metallic piping systems in the cellar and riser pipes can be connected directly to the plastic piping systems on the individual storeys. In this way, it is possible to perfectly combine the advantages of a dimensionally stable metallic installation with the flexibility and assembly comfort of a plastic installation.

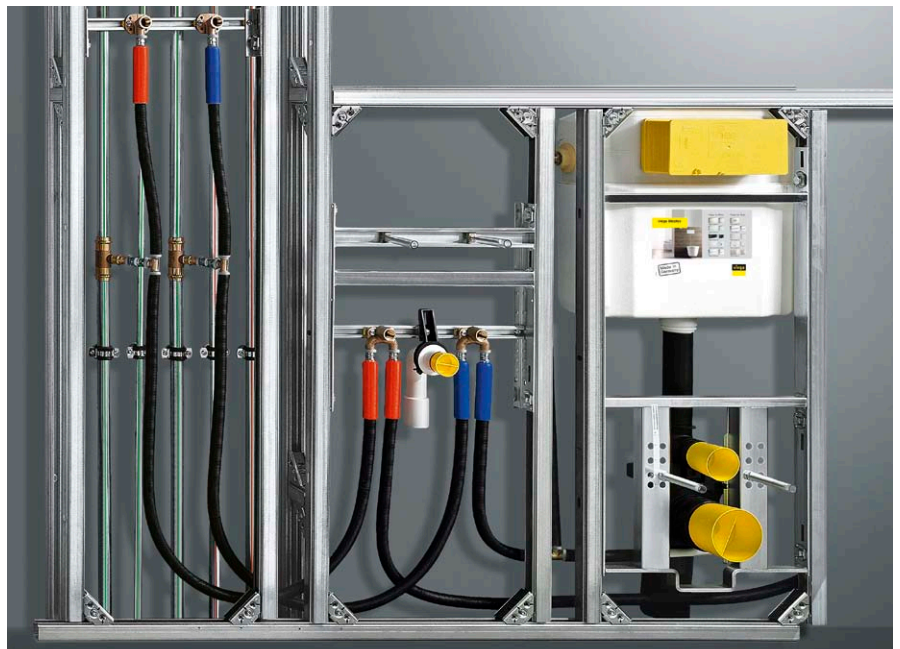
sets standards in international building technology markets. The Viega press connector range covers numerous installation and connection variations, even in larger sizes.

It provides you with an extraordinary spectrum of practical solutions with a variety of the most different press connectors – bends, angles, cross overs,

T-pieces, threaded adaptors, sleeves, screwable parts all the way to fittings with a press connection.

Perfect connections with tried and tested Viega press technology

The heart of the system is the worldwide renowned Viega press technology with SC-Contur. It connects all of the installation systems with each other and always allows for an economical overall solution. After all, Viega, being one of the most successful system providers,



**Viega press technology.
Quick assembly. Guaranteed long-term safety.**





Since 1994, Viega has been leading the way in press technology. The Viega press connector range encompasses various installation and connection variations from 12 to 108 mm. This offers you a variety of practical solutions for the areas of drinking water, gas, heating and special applications – all without soldering, welding or cutting threads.

Press technology: quick and safe

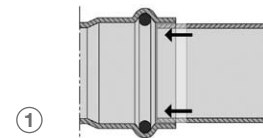
Viega press technology guarantees clear advantages. The connectors are pressed in a matter of seconds and permanently secure, without the danger of fire and time-consuming fire prevention measures. A lot of work stages, which normally cost time and materials, are no longer required. Instead, you can assemble an optically attractive installation without traces of fire or solder without too much effort. It is not surprising that there is no way past Viega press technology when carrying out renovation work.

Comfortable and practical

Using Viega press technology, even time-consuming installations in sizes up to 108 mm can be completed by cost-effective one-man assembly. Even a pipe connection in narrow ducts or floor openings is possible without any problems thanks to the hinged press jaw. Use a press tool for every pressing you make. You not only profit from the reduction in errors, effort and space-saving operation, but also from connections that are guaranteed to hold. Safety and comfort that are worth the effort.

Protection from the very beginning (1)

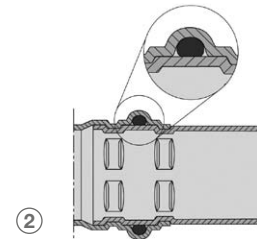
To protect the high-quality sealing element against damage during assembly, every Viega press connector has cylindrical pipe guidance which, together with the double pressing, provides extra safety.



① Cross section of an unpressed connector.

Double pressing with Viega press technology (2)

Viega press technology is doubly secure, the reason for this being that Viega press tools carry out two pressings simultaneously – one in front of the crimp and one behind it. That is how you are able to provide a long-lasting connection which is torsion proof and longitudinally force-locked.

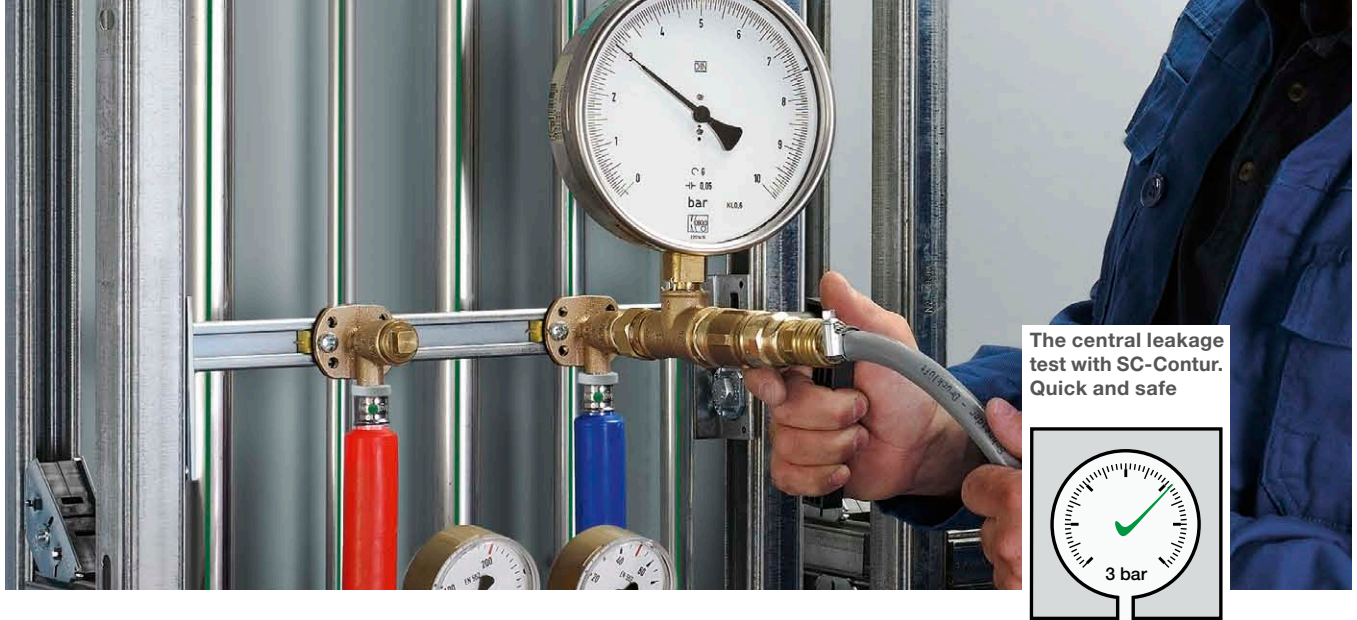


② Cross section of a pressed connector.



**Guaranteed safety.
The Viega SC-Contur.**





Unintentionally unpressed connections carry a high safety risk. That is why Viega has improved press technology by introducing a new safety factor: the Viega SC-Contur. That shows the intelligence behind press technology not only in the rapid assembly, but also in the guaranteed safety.

The Viega SC-Contur

When it comes to press technology, Viega has thought of everything, even for the event that a connection is unintentionally left unpressed during installation. That is why all Viega press connectors have the advantage of the certified Viega SC-Contur, identifiable by a coloured marking on the crimp of the press connector. The SC-Contur causes unintentionally unpressed connections to be noticed: The medium visibly leaks out of the system when it is being filled.

The time-consuming checking of the individual press connections is reduced to a minimum. Alongside the double pressing and the cylindrical pipe guidance, the SC-Contur is another deciding safety factor in press technology.

With recognisable tested safety

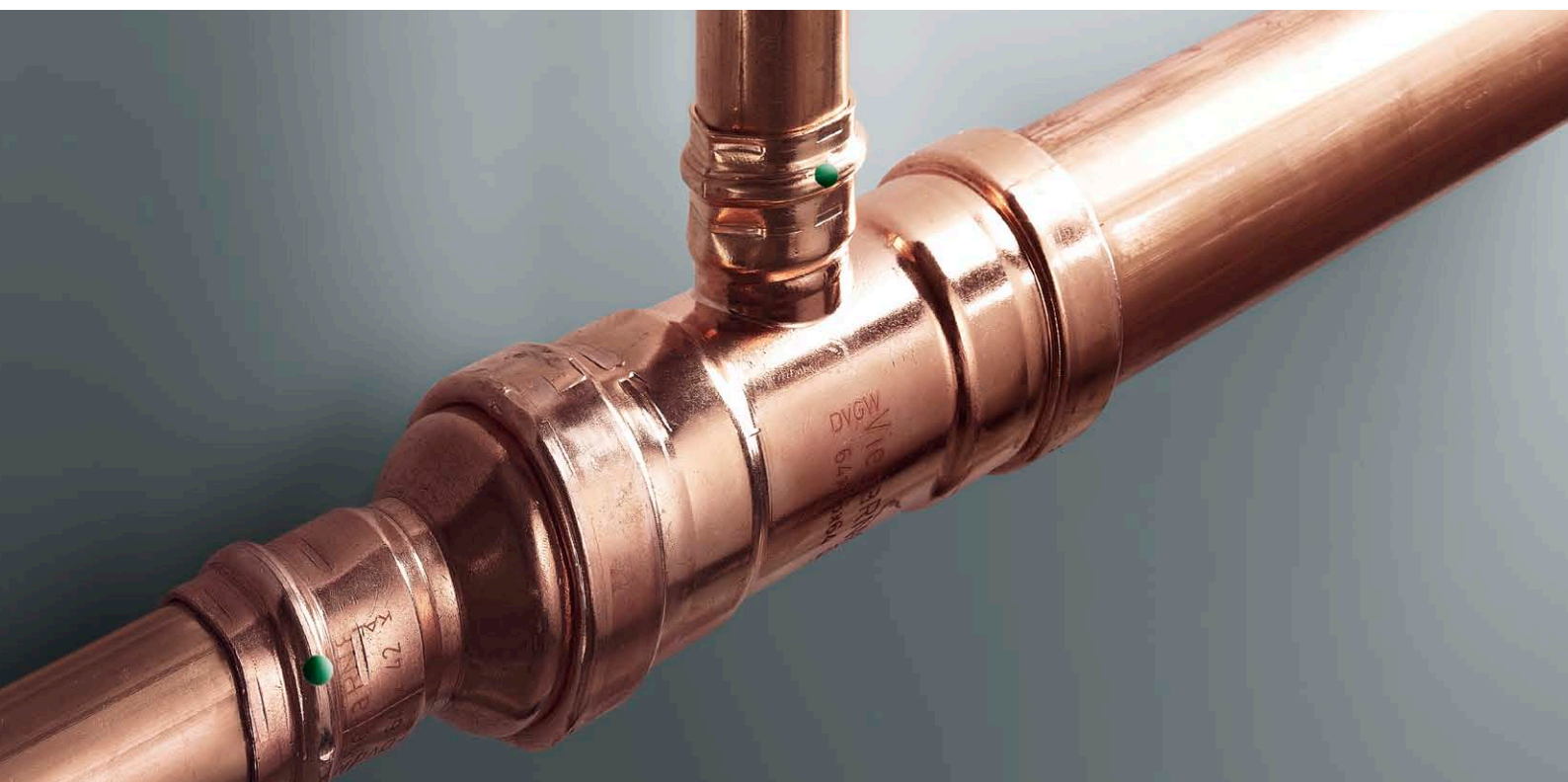
The SC-Contur works in prescribed pressure ranges and test times with compressed air and water. Testing of gas installations in accordance with the technical rules for gas installation is included. During a “dry” leakage test, the pressure falls visibly over the entire pressure range from 22 mbar to 3.0 bar. If the system is filled with water, this can be seen, clearly, escaping from the unpressed connectors in the pressure range from 1.0 to 6.5 bar.

Central leakage test

As a further improvement of the SC-Contur, Viega is the first in the sector to guarantee that a complete system can be tested centrally by a manometer – provided that the entire installation has been fitted with the SC-Contur. The central leakage test provides more security and comfort as the visual check required normally is not longer necessary. If connectors are unintentionally left unpressed, the media escapes and leads to a pressure drop on the manometer. If a dry leakage and pressure test is carried out instead of a wet test, the hygiene risks drop. These can be created by water remaining in the system from the first filling until commissioning.

- **Rapid pressing of 12 to 108 mm in cost-effective one-man assembly**
- **Double pressing in front of and behind the crimp in one step for a permanent tightness, torsion proof and longitudinal force locked connection**
- **Pressing without the risk of fire and time-consuming fire precautions**
- **Unintentionally unpressed connections are immediately visible**
- **It is possible to carry out a central leakage test with a manometer**

Viega Profipress





Viega Profipress is the press connector system with copper pipes which has proven itself a million times over. More than 550 items are available in the sizes 12 to 108 mm for a wide range of different applications. The high quality EPDM sealing elements last as long as the house. In addition, the cylindrical guidance in front of the crimp prevent damage to the pipe edge and the sealing element.

Extent and variety of the range

Profipress is a range that impresses in many ways in practical situations. When you use Profipress, you connect intelligent safety characteristics with an extensive range. That is how you always achieve a practical installation from the gas or water connection to the wall panel.

The full extent of the variety of applications

The range of applications that can be made with Profipress is nearly unlimited. The range of products include products suitable for drinking water, gas, heating as well as other applications in buildings all the way to industrial systems and ships.

Profipress in drinking water installation

Strict guidelines for drinking water hygiene are a challenge, the Profipress press system lives up to the challenge every time, because the pipe material, the pipe sizing and installation are the deciding factors for the lasting preservation of the drinking water quality. This is all in Profipress' favour.

Profipress in heating installation

For the connection between boiler and radiator, Profipress is the absolutely safe, cost-effective and time-saving installation method. Due to various adaptors, screw fittings and flanges, Profipress is the right solution.

- **Copper pipe connecting system for pipes according to EN 1057 in the sizes 12 to 108 mm inclusive**
- **Absolutely dimensionally stable for quick and clean installation for cellar, riser and storey pipes**
- **The most varied installation possibilities due to the materials copper/copper as well copper/red brass**
- **Large selection of products in heating installation due to special components**
- **Fitted with high-quality EPDM sealing elements**
- **Fulfils all relevant requirements for drinking water installation**
- **All sizes with SC-Contur, which shows the unintentionally unpressed connections when the system is filled for the first time**



Viega Profipress G





Viega Profipress G is the press connector system which has proven itself a million times over. It convinces with copper pipes, high quality HNBR sealing elements as well as intelligent safety factors. The system is optimal for fire or manipulation proof laying of gas pipes and certified in accordance with high German standards for nearly all installations with flammable media: For gas in accordance with DVG (Deutscher Verband für Flüssiggas) as well as heating oil and diesel fuel pipes according to DIBT (Deutsches Institut für Bautechnik).

The secure connection

With yellow marking, a yellow HNBR sealing element as well as the yellow dot on the SC-Contur Profipress G offers safety at the highest level. The unique marking of the system prevents any confusion. With the Viega SC-Contur unpressed connectors are visible during the leakage test. The leak tightness of the installation is controlled centrally by a manometer. The pressure range for the test ranges from 22 mbar to 3 bar for gaseous media.

A plethora of possibilities

Profipress G ranges from 12 to 64 mm: Threaded connections, flanges for gas fittings with press connection and meter connection units with connectors for direct pressing of gas pipes are only a small cross section of a system that always allows a quick, efficient and secure gas installation.

Gas installations with system

Natural gas is comfortable, environmentally friendly and economical – so it is no wonder that the demand for the energy efficient energy source is continuing to rise. Viega offers you a varied range, allowing you to use natural gas in all ways possible. All of the fittings have a high thermal load as well as being DVGW certified and approved.

- **Copper pipe connection system for pipes according to EN 1057 in the dimensions 12 to 64 mm**
- **System for safe gas installations and manipulation proof laying**
- **Threaded adaptors and special connectors made of indestructible red brass**
- **A variety of fittings: Threaded connections, flanges and meter connection units are available**
- **Equipped with high quality HNBR sealing element**
- **All sizes with SC-Contur, which shows unintentionally unpressed connections when the system is filled**

Viega Profipress S





Viega Profipress S is the ideal choice for special applications. When you are dealing with special applications, Viega Profipress S is the right choice. Profipress S manages to make precision connections to a wide variety of heat sources. Energy sources such as solar power, district heating or low pressure steam units are always connected with the unique safety of the Viega SC-Contur.

Very convincing

Viega Profipress S impresses on many fronts, combining the safety and reliability of the SC-Contur with the variety and versatility of an extensive range. Therefore, Profipress S is available in the sizes 12 to 35 mm with factory-fitted FKM sealing element. For special applications in dimensions from 42 to 108 mm you can purchase the FKM sealing element as an optional extra.

Perfectly equipped for special applications

The future belongs to renewable energy sources. Profipress S allows you to easily connect to solar collectors. Low pressure steam units can also be installed using Profipress S. The connectors are approved up to 120 °C and

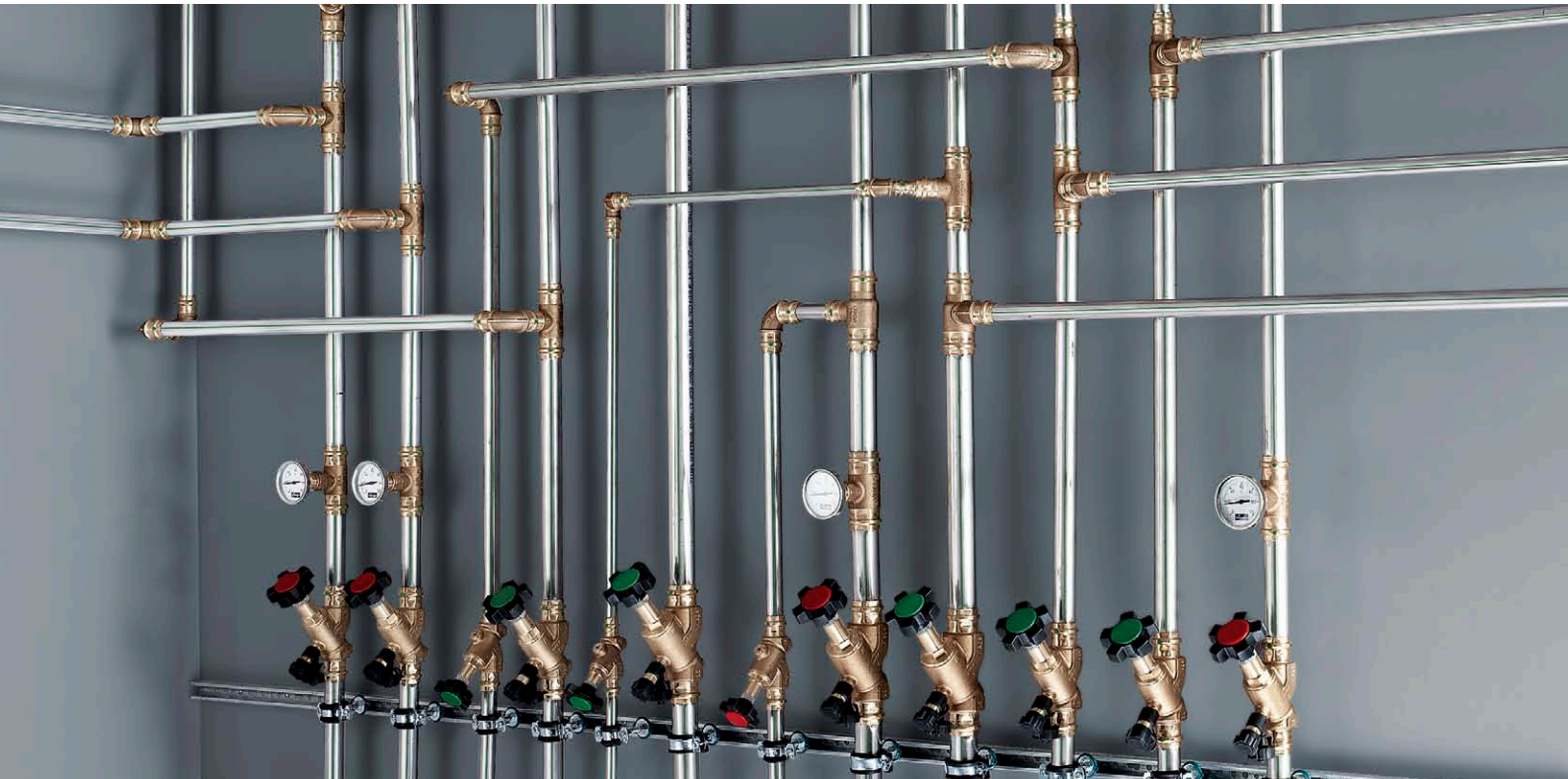
up to a pressure of 1 bar. For district heating systems with a network supply temperature from 120 °C to 140 °C one should use the Profipress S System. The maximum operating pressure is 16 bar.

No danger of confusion

The Profipress S connector comes in an orange foil bag, which rules out any confusion straight away. The connectors have a white mark and therefore indicate the built-in FKM sealing element.

- **Copper pipe connecting system in accordance with EN 1057**
- **Press connectors in the sizes 12 to 35 mm made of copper as well as threaded and special connectors made of indestructible red brass**
- **Suitable for special applications in high temperature areas such as e.g. solar systems, district heating units and low pressure steam systems**
- **Comes with a factory fitted FKM sealing element in the sizes 12 to 35 mm, separate sealing element from 42 to 108 mm available**
- **No danger of confusion, extra marking of the connector**
- **All sizes with SC-Contur, which show the unintentionally unpressed connections when the system is filled**

Viega Sanpress





Be it in drinking water installation, in industry or in plant engineering, Viega Sanpress sets new levels of quality and cost-effectiveness. The press connectors made of red brass with the Sanpress pipe 1.4521 can be used with all types of drinking water and also offer a large variety of products, which more than meet everyday requirements.

The ideal solution for every situation
Viega Sanpress provides the ideal red brass connector for every situation. The components are available in sizes from 12 to 108 mm and simplify installation and planning considerably thanks to their minimal Z-sizes.

Red brass – the material

When it is a matter of hygiene, safety and permanent durability, there is no way of avoiding red brass. Sanpress press connectors allow an economical sizing of the pipe with their convenient flow rates. Suitable for pressure up to 16 bar, the extremely high-tensile connectors are suitable for use in drinking water installations and in other places.

The cost-effective Sanpress pipe 1.4521

Viega increases the cost-effectiveness of the Sanpress system with the red brass connectors and offers you the first stainless steel pipe made of the material 1.4521 for drinking water

installation. The Sanpress pipe 1.4521 is of high quality, hygienically flawless and particularly economical – just as one would expect of a product from Viega.

Sanpress range for large dimensions

One special feature of Viega Sanpress is flexibility. Various components for larger dimensions from 76.1 to 108 mm demonstrate the system’s versatility, whilst particularly low Z-sizes promise practical and easy assembly. All of the components are DVGW certified which provides you with a long term guarantee regarding drinking water and industrial installations.

- **System consists of high-tensile red brass connectors with the cost-effective stainless steel pipe 1.4521 for the sizes 12 to 108 mm**
- **System can be used with all types of drinking water without restriction.**
- **Optimised pipe laying such as e.g. loop or serial piping with Sanpress double wall panels and Sanpress wall panel T-piece**
- **Passing through of the connection point with assembly-friendly installation through Sanpress assembly unit for membrane expansion vessels**
- **Sanpress compensators save you space, material and assembly time**
- **All sizes with SC-Contur, which shows the unintentionally unpressed connections when the system is filled**



Viega Sanpress Inox and Sanpress Inox G





Both stainless steel systems, Viega Sanpress Inox and Sanpress Inox G, cover a large installation spectrum for building technology and industry. With connectors in sizes 15 to 108 mm, including the intermediate size 64 mm, both systems offer perfectly fitting solutions for your daily challenges in the most varied of applications.

Sanpress Inox in drinking water installation

When dealing with drinking water, Viega only works with materials of the highest quality. The material 1.4521 can be used without restriction with drinking water – even under the strictest of conditions, as long as disinfection is carried out in accordance with the German Drinking Water Ordinance.

Sanpress Inox in gas installation

Absolute safety is paramount in gas installation. That is why professionals trust Sanpress Inox G. On the one hand, due to the material stainless steel and on the other hand because of the press connector with the HNBR sealing element. The pipes and press connectors are made of stainless steel 1.4401. The sizes 15 to 108 mm can be used for natural and liquid gas. In addition, the sizes 15 to 54 mm can be used in heating oil and diesel fuel applications.

Safety under the toughest conditions

Viega have proven themselves in the area where the material and technology have been put to the test: in the industry. Among other places, they are used in industrial cooling and process water piping systems as well compressed air systems.

The Sanpress Inox XL range

A large number of pieces and components are offered in many variations in sizes from 15 to 108 mm. Bends and cross over bends, angles and T-pieces, threaded adaptors, sleeves, screw fittings and fitting connections – the extensive Viega product range offers the suitable solution in many fields of application.

- **Pure stainless steel system for installations in the sizes 15 to 108 mm, including the intermediate size 64 mm, consists of stainless steel connectors such as the cost-effective stainless steel pipe 1.4521 for drinking water installation as well as pipes made of the material 1.4401**
- **High quality sealing EPDM and HNBR elements**
- **Convincing even when distribution systems are being used and with many special industrial media**
- **All sizes fitted with SC-Contur, connectors which are unintentionally unpressed are shown as such**



Viega Prestabo





Prestabo from Viega is known by professionals for its high level of reliability and safety. The press connection system made of externally galvanised steel is available in sizes from 15 mm to 108 mm – including the intermediate size 64 mm. Prestabo is an economical alternative for heating installations, closed cooling circuits or compressed air systems. Especially when the press connections are not to be welded, which is time consuming, but quick and securely pressed, as is the case with all Viega press systems.

Full programme for heating installation

Prestabo offers you individually suited sizes for large and small objects. The press connectors and pipes come in sizes from 15 to 108 mm. In the sizes 15 to 54 mm, Prestabo pipes are also available with a white PP coating – ideal for pre-wall installations. Profit from the extensive and constantly growing selection of ranges for your installation.

Obvious marking

To prevent confusion with drinking installation systems, Viega has made a clear sign: the red rectangle with the symbol “not suitable for drinking water!”, the red marking of the SC-Contur on the press connector as well as the red stripe on the pipes and PP coating. Even the protective caps used to prevent the pipes from becoming dirty are red.

Planning in line with demand

Piping networks can be planned in line with demand by using Viega’s intermediate size of 64 mm. Whereas other manufacturers’ products mean compromises must be made when dealing with sizes between DN 50 and DN 65, Prestabo piping networks can be precisely aligned to the required flow volume. That reduces for example the amount of material used and leads to energy savings as well.

- **Press connection with pipes made of externally galvanised steel in sizes from 15 to 108 mm**
- **Economical “intermediate size” 64 mm allows a planning which fulfils demands**
- **Red point on the crimp of the press connectors and red stripes on the pipes to indicate: “Not suitable for drinking water!”**
- **Especially suitable for heating installation as well as closed cooling systems and compressed air systems**
- **All sizes with SC-Contur, which show the unintentionally unpressed connections when the system is filled**

Viega Pexfit Pro





Viega Pexfit pro is a system that is made to suit your needs completely. Pexfit Pro pipes are as flexible as you wish and as durable and reliable as you expect them to be. In combination with the new press connectors made of PPSU and Viega red brass connectors, they are suitable for nearly every installation in the house. Pexfit Pro Fosta pipes consist of three layers: a PE-Xc internal pipe, an aluminium layer and a white external coating.

Dimensionally stable in the smallest bending radii

Pexfit Pro Fosta connects optimal handling with very high pressure stability. The butt welded aluminium jacket makes the pipe diffusion-resistant, flexible and minimises elongation. Small pipe sizes can be bent by hand effortlessly. Even the smallest of radii are possible.

Problem-free connection of different piping systems (1)

The extensive Viega connector range for drinking water and heating installation is suitable for all sizes of connection. Cross overs onto metallic piping systems are easy to make.

As flexible as your ideas

Pexfit Pro Fosta and Pexfit Pro Plus pipes are suitable for use with drinking water without restriction. They are hygienic and fulfil the legal requirements in the same way as press connectors do. No matter if Steptec, Viega Eco Plus or Viega Mono – Pexfit Pro pipes fit in perfectly into every Viega pre-wall technology system. Thanks to easy shaping and excellent dimensional stability, they simplify the assembly considerably and provide everything one expects from a modern drinking water installation. In addition, they are ideally suitable for the connection of boilers, warm water tanks as well as radiators.



- **Dimensionally stable plastic pipe system with press connectors made of high quality PPSU as well as red brass in the sizes 14 to 63 mm**
- **One-piece press connector with pre-assembled stainless steel sleeve**
- **Cross overs onto metallic piping systems can be made easily**
- **High tensile stainless steel sleeve on the press connector also takes over the securing function on the pipe**
- **Very good long term characteristics even at high temperatures and pressure levels thanks to a physically cross-linked PE-Xc-Inliner**
- **Unrestricted use for drinking water installations**
- **All sizes with SC-Contur, which show the unintentionally unpressed connections when the system is filled**

**Viega Pressguns:
Performance in its most compact
form.**



Viega recommends that the press jaws are inspected regularly. The yellow maintenance sticker acts as a practical reminder of the next inspection date.



The Pressgun 5 is delivered in a robust case, with either a battery or a mains cable. Battery and mains cable can be ordered separately.



The Viega press ring sets are delivered with a press jaw in cases suitable for construction sites. Additional press jaws are also available.

Through their quality, pressing tools from Viega prove themselves in the most difficult working conditions. They belong to the most reliable and successful in Europe and their safety technology is certified by TÜV. Long service intervals make them more economical.

Viega pressing tools: the similarities

- Especially easy to use with one hand
- Light high-performance 18 V/2.0 lithium-ion batteries with protection from deep discharge and improved cold-start function. Optional extra for higher capacity requirements: 18 V/4.0 Ah battery.
- 180° rotatable head and jointed press rings for maximum flexibility in any situation.
- TÜV-inspected safety technology: Tripping delay, pin retainer, service display and automatic safety lock.

Viega Pressgun 5

- High-performance pressing tool, battery- or mains-operated.
- For all press connectors sizes 12–108 mm.
- Weighs 3.2 kg (without press jaw).
- Long service interval: 4 years or 40,000 pressings. Safety lock after 42,000 pressings.
- Integrated LED to light-up pressing point.

Viega Pressgun Picco

- Very small dimensions for assembly in narrow ducts and pre-wall constructions
- Suitable for metal connectors in sizes 12–35 mm and plastic connectors from 12–40 mm
- Weighs 2.5 Kg (without press jaw)
- Long service interval of 30,000 pressings. Safety lock after 32,000 pressings

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