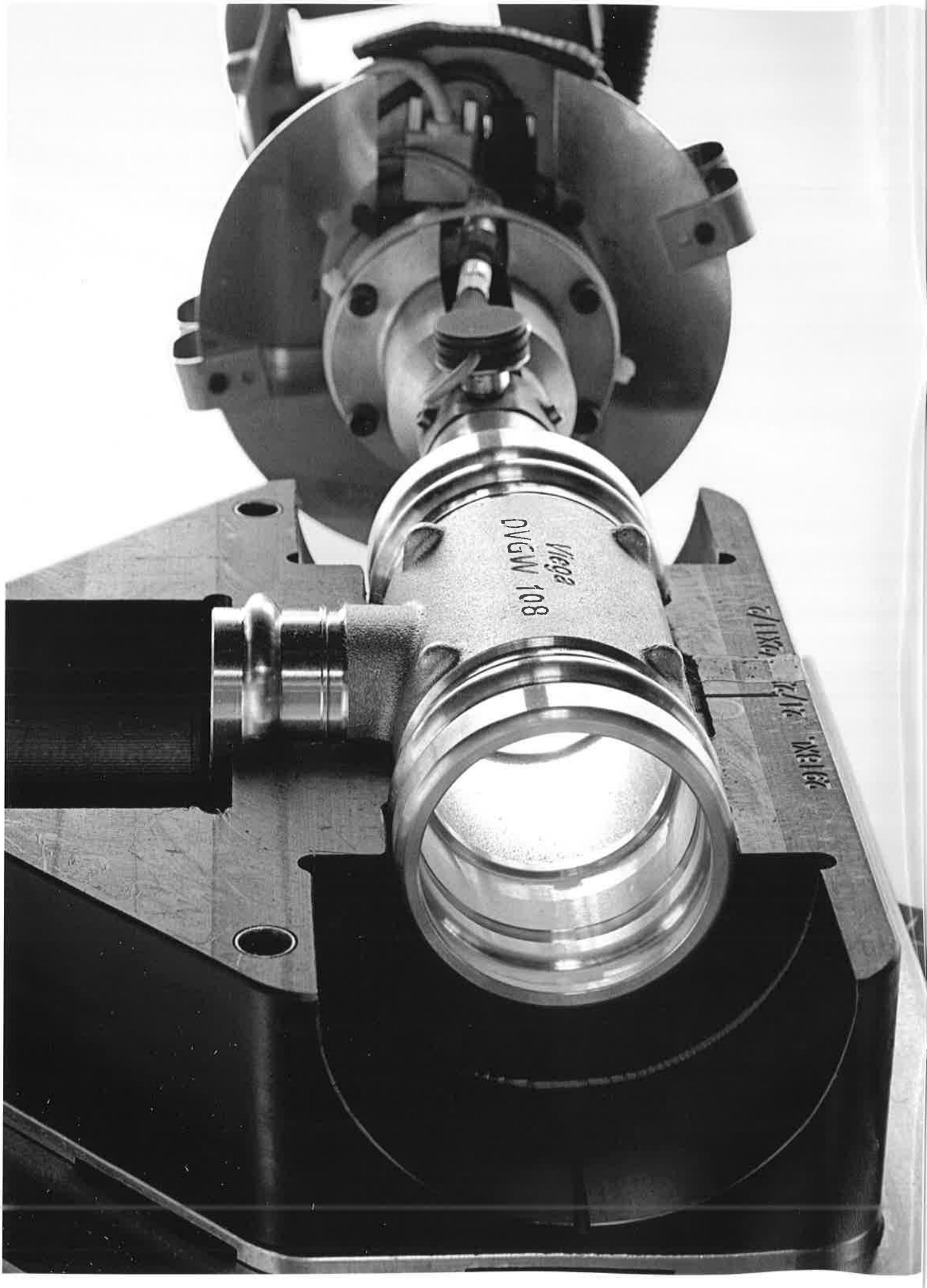


Viega Profipress

Press technology made of copper.
Always a fitting solution.

viega


Viega
DVGW 108

Viega. A better idea!

Some things last. Even more than 110 years. 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 3,000 staff worldwide. Products are manufactured at four locations in Germany, and special solutions for the North American market are made in McPherson/USA. The company specialises in installation technology – the constant driver of growth.



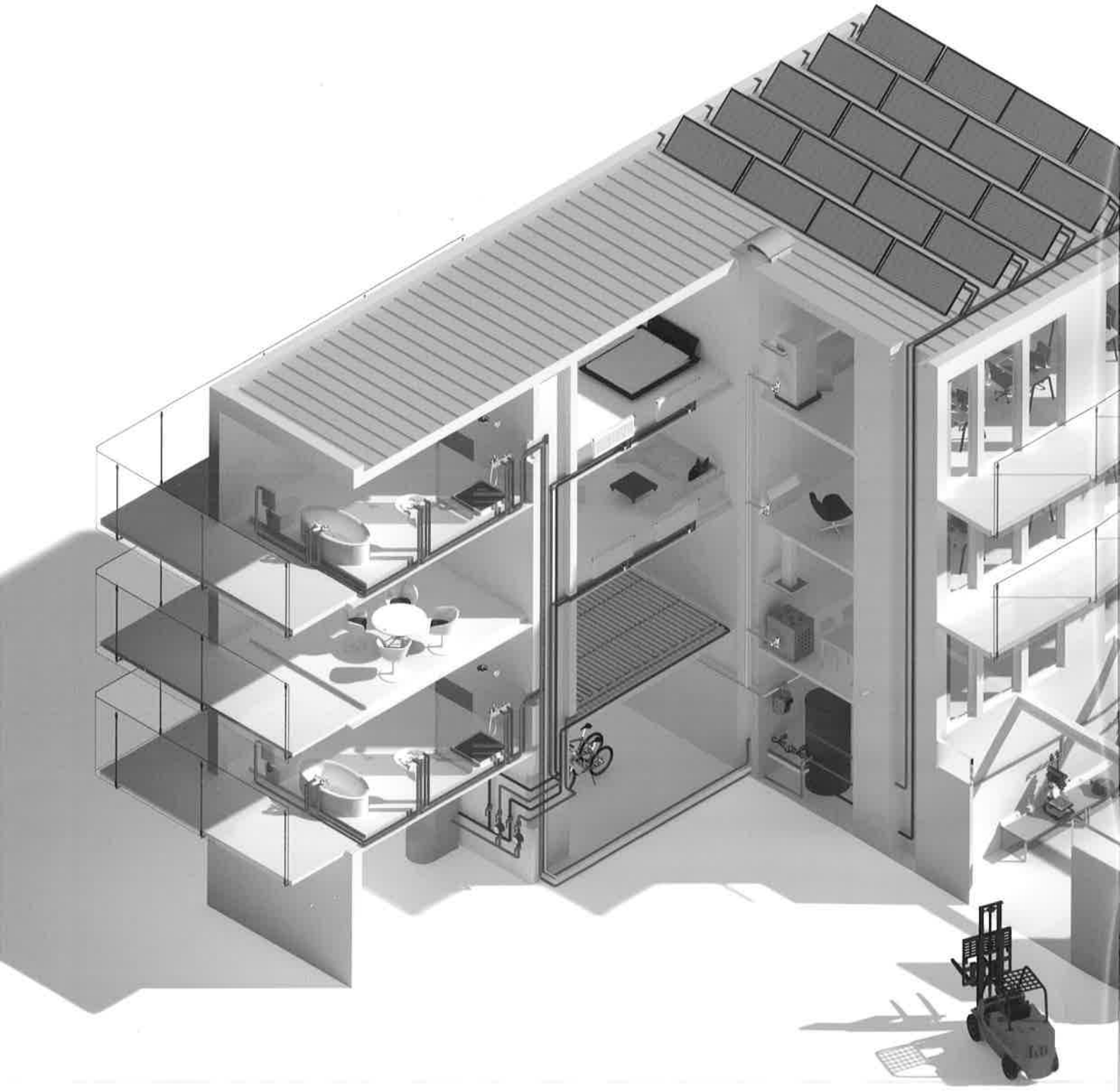
Viega has a worldwide reputation for innovations that set standards. Take for example press connection technology, the innovative solution for copper pipe systems. Or the introduction of the SC-Contur for visible inspection reliability in every press connector. With Viega, safety is not just guaranteed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

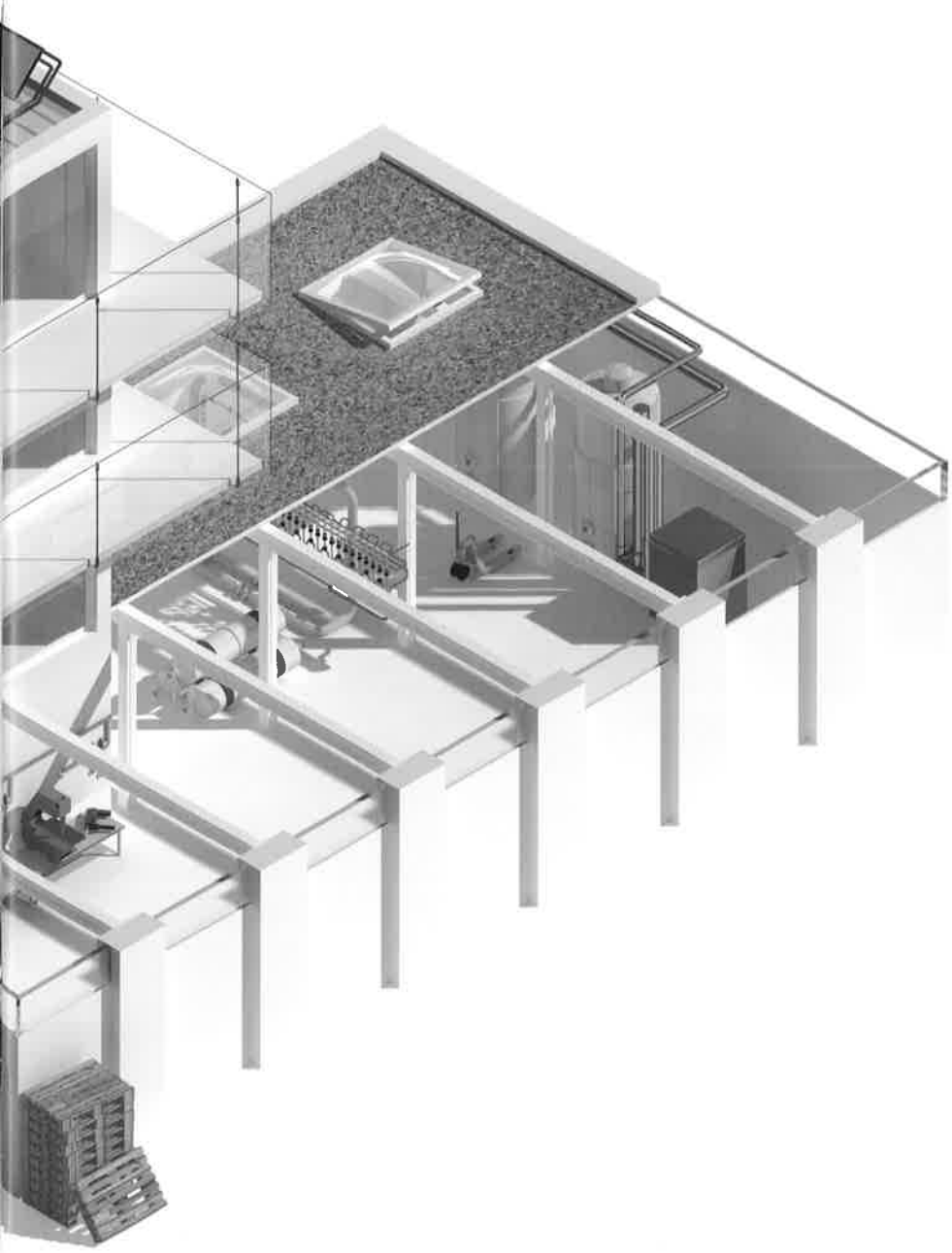


"Quality made in Germany" is taken seriously at Viega. Computer-controlled, automated production delivers absolutely reliable results. Each production process is monitored by up to five quality checks that guarantee maximum safety. The result: over 17,000 products for almost every type of application. 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.



Viega Profipress: the sum of the possibilities.





Viega Profipress convinces in almost every area of application. From use in sanitation, gas and heating installations through to industrial plant installations – the system makes anything possible. Over 800 components in dimensions ranging from 12 to 108 mm make it possible to fit an enormous range of installations.

Drinking water
Copper and gunmetal are the perfect combination in places where a maximum level of hygiene is required.

Page **10**

Heating
Whether individual radiator connections or full heating installations, the well-engineered Profipress system is safe and easy to assemble.

Page **16**

Gas
Tamper-proof and fireproof. All the household's gas can be supplied with Viega Profipress.

Page **20**

Special applications
Profipress S sets standards in the field of special applications. Oil, district heating and solar energy are transported using this system.

Page **24**

Industrial applications
Profipress is also considered a constant in the industrial sector. It is suitable for transporting a huge range of media.

Page **26**

In a class of its own!
Viega Profipress, the original.



Over 800 components in dimensions from 12 to 108 mm make Viega Profipress a system with virtually limitless versatility.

Due to regular talks with customers, Viega knows what is needed in practice: Quality and safety, innovative ideas, a diverse product range and an extensive focus on service, which makes any installation easier.

Unique product diversity

Whether it's drinking water, gas, heating, special applications in buildings or industry – Viega Profipress offers the right technical solution for any installation. Over 800 components in various dimensions ensure the maximum level of flexibility. In addition, they have a unique safety factor: the Viega SC Contur.

Impressive detailed solutions

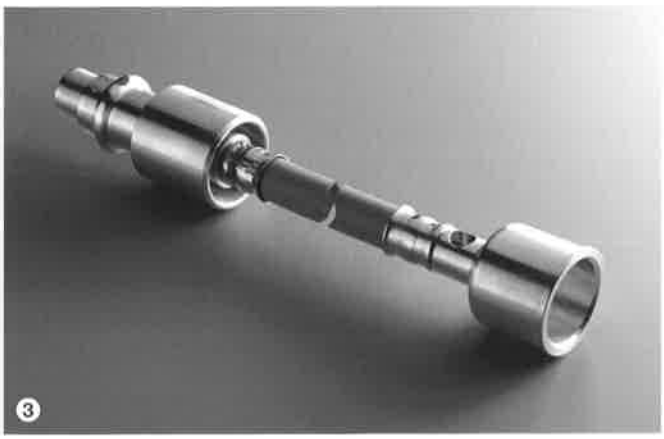
Viega Profipress is characterised in particular by perfectly coordinated system components and innovative parts. Products such as the Sanpress wall bushings (Fig. 1) expand the enormous diversity of use as do, for example, the double wall panels (Fig. 2) to loop piping through or the Smartloop connection kit (Fig. 3) for Inliner technology.

Uncompromising quality with copper and gunmetal

Viega relies consistently on copper and gunmetal for Profipress (Fig. 4). Both materials enable hygienic installation and also guarantee reliable material quality, a long life span and enormous versatility.









Viega Profipress with SC-Contur: the double safety factor.



The advantage of the Viega press connection is not just its lightning-quick assembly. Its particularly high level of safety is also particularly advantageous. All Viega press connectors are certified in accordance with the DVGW and offer a unique safety factor with the Viega SC-Contur.

Pressing with safety factor

The Viega SC-Contur guarantees that any inadvertently unpressed connectors become visible. This means: In a dry leakage test, the pressure – in cases of unpressed connection – falls visibly through the entire pressure range from 22.0 mbar to 3.0 bar. If the leakage test is carried out with water in a pressure range of 1.0 to 6.5 bar, this will discharge visibly from the inadvertently unpressed connections (Fig. 1).

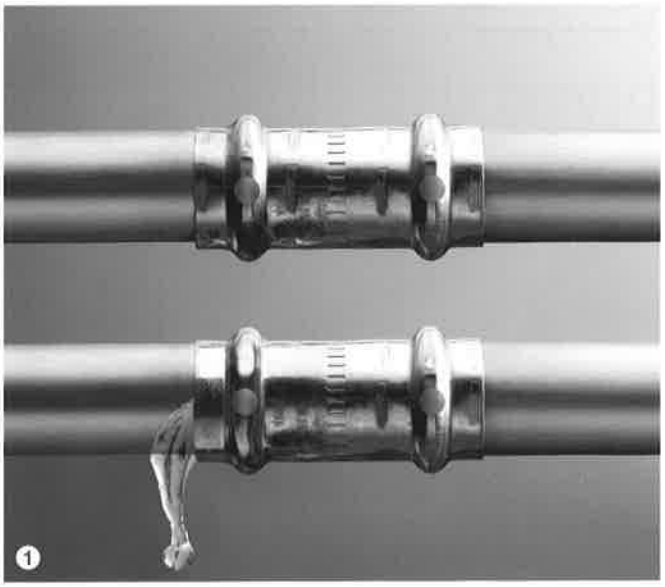
Comfort and safety with the central leakage test

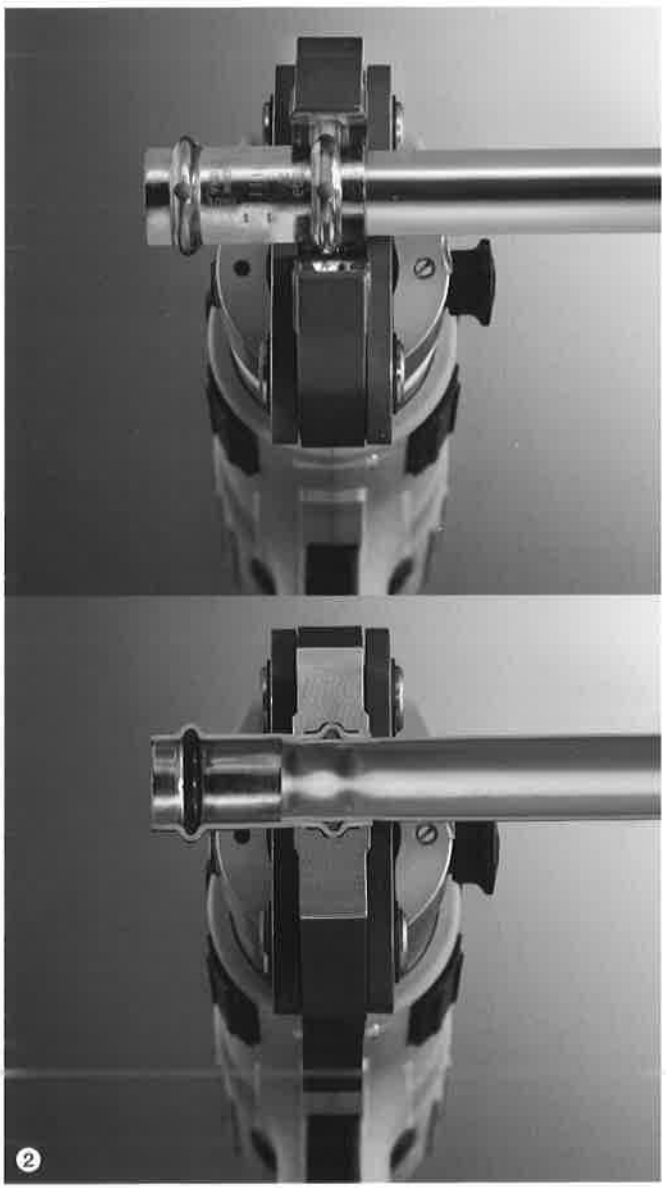
If all connectors are fitted with the SC-Contur, the impermeability of the entire system can be monitored with a central leakage test. It is not necessary to visually inspect the individual connections. This means the effort and risk arising from the unpressed connections are reduced to a minimum.

Pressing: double holds better

Press technology requires just a few seconds of work. The Viega pressing tools make two press connections in one work stage – one in front of the bead and one behind it (Fig. 2). For long-lasting, permanent, torsion-proof connections. Another advantage of the connectors: Their high-quality sealing element is optimally protected against damage due to the cylindrical pipe design.

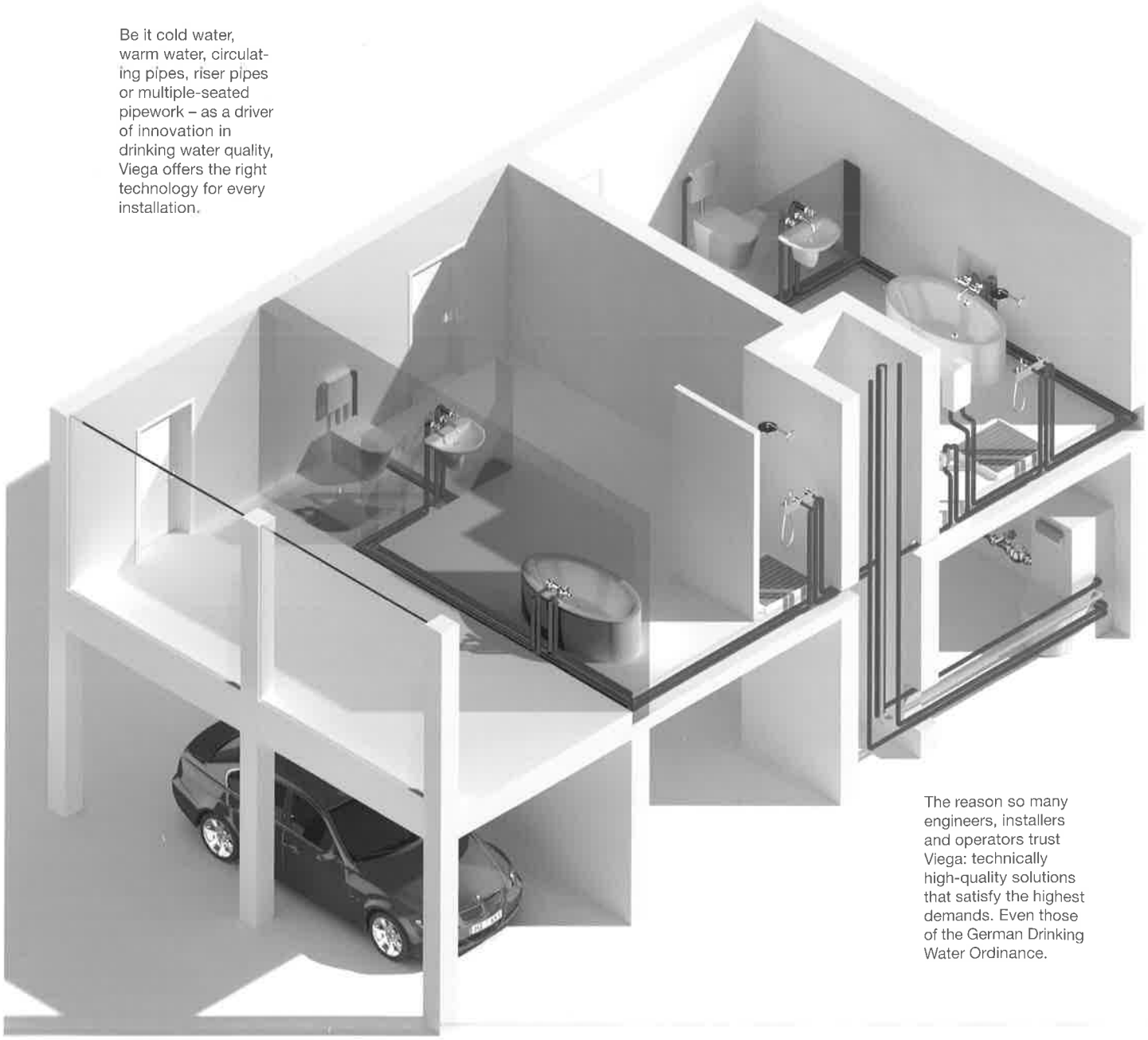
The Viega SC-Contur can be clearly recognised by a coloured marking on the bead. Inadvertently unpressed connectors are recognised as leaky by a central leakage test.





Viega Profipress: the ideal prerequisite for preserving drinking water quality.

Be it cold water, warm water, circulating pipes, riser pipes or multiple-seated pipework – as a driver of innovation in drinking water quality, Viega offers the right technology for every installation.



The reason so many engineers, installers and operators trust Viega: technically high-quality solutions that satisfy the highest demands. Even those of the German Drinking Water Ordinance.

Viega Profipress sets standards in quality and hygiene, while also fulfilling the high demands of the Drinking Water Ordinance. High quality materials and intelligent technology guarantee the necessary quality of drinking water at any extraction point.

Viega Profipress products for drinking water installations can be recognised by the green dot. All connectors are produced using high-quality copper and gunmetal.



Copper and gunmetal: ideal materials for drinking water hygiene.

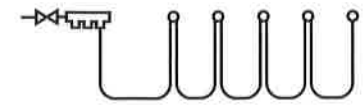
The Drinking Water Ordinance stipulates that materials must not be able to cause any unauthorised change to the properties of the drinking water. For this reason, only copper and gunmetal are used in the Profipress system. Quality materials, which are both long lasting and corrosion-resistant. All the connectors are delivered, hygienically packaged in a bag.

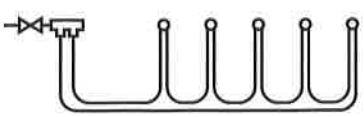




Recommended: installation as closed circular and series pipelines

To avoid any risk to the drinking water quality caused by stagnation, a constant exchange of water must be ensured in all areas of the drinking water installation. For this reason, extraction points that are not in regular use must be installed in either closed circular or series pipelines. Viega has the right technology on offer for both of these.





Connections for tailored dimensioning

The low pressure losses of Profipress connections make it possible to tailor the dimensioning to demand. There are economic and hygienic advantages to this. The Profipress range includes components in every necessary size (Fig. 1).



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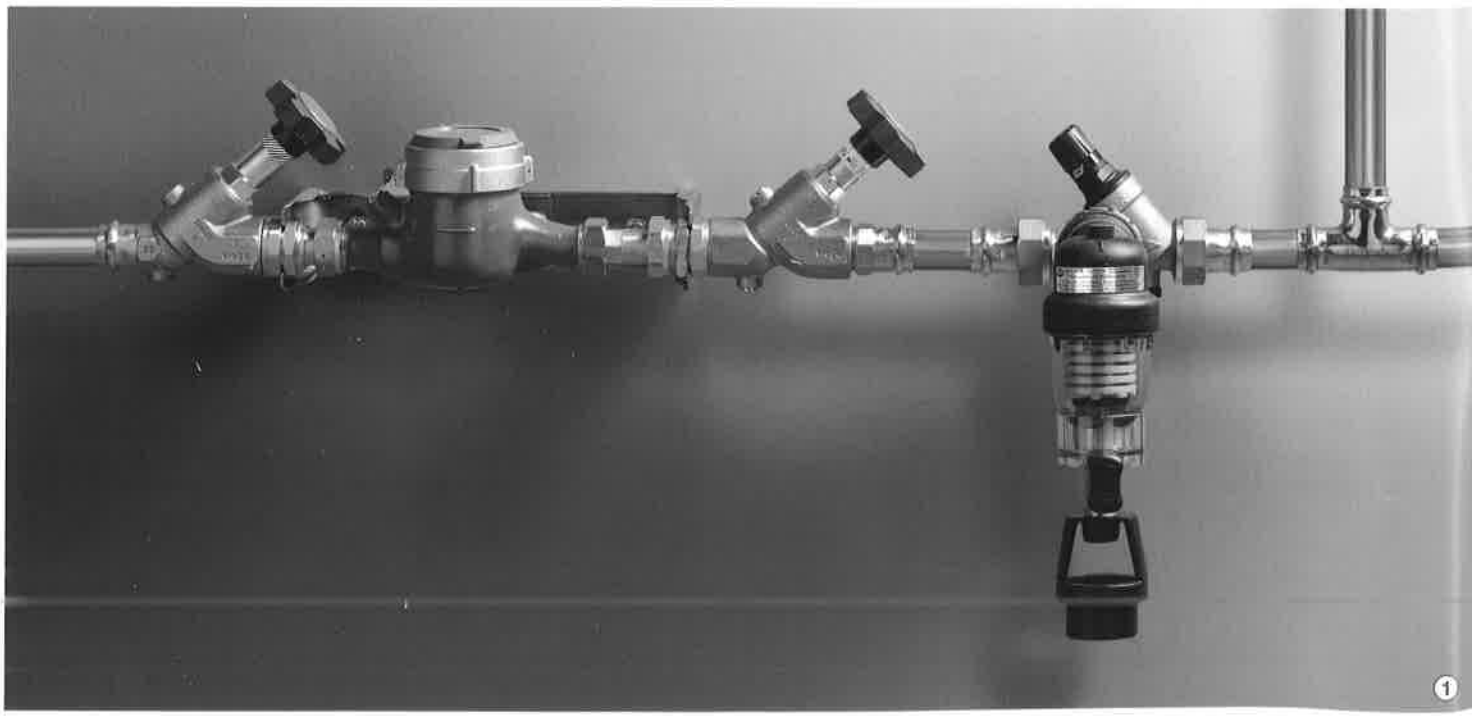

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From service lines to the riser pipe to multiple-seated connections, the entire drinking water installation can be carried out using Viega Profipress.

More safety and hygiene with less components: the entire distribution of cold water from the utilities connection to the extraction point can be quickly, safely and hygienically installed with Viega system components. One of the many advantages of this: all water-bearing parts are made of the corrosion-resistant materials, copper and gunmetal.

Easytop house water meter unit: secure connection to the utilities pipes

This compact component guarantees easy transition from the service lines to Viega Profipress (Fig. 1). The Easytop apartment water meter unit (Fig. 2) can be installed into the pipework system quickly and with relatively little effort. It is available as a single or double unit, with or without an insulation box.

For quick leakage checks: pressure stoppers

When it comes to carrying out a pressure test in unfinished installations, a partial installation can be sealed off using the pressure stopper. In addition, it allows a partial installation to be put into operation for a limited period of time (Fig. 3).

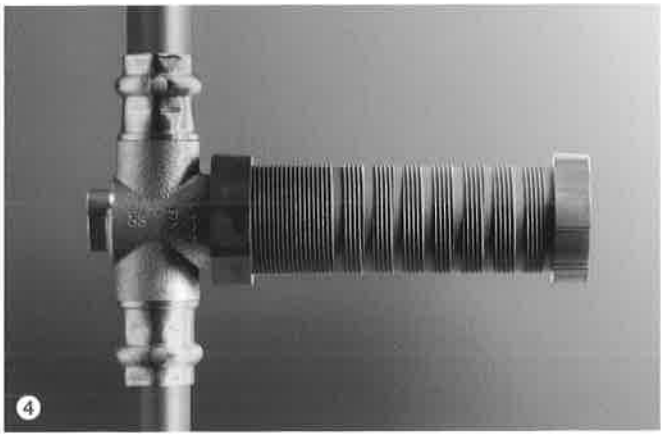
Easytop free flow valve – safety and comfort on a building level

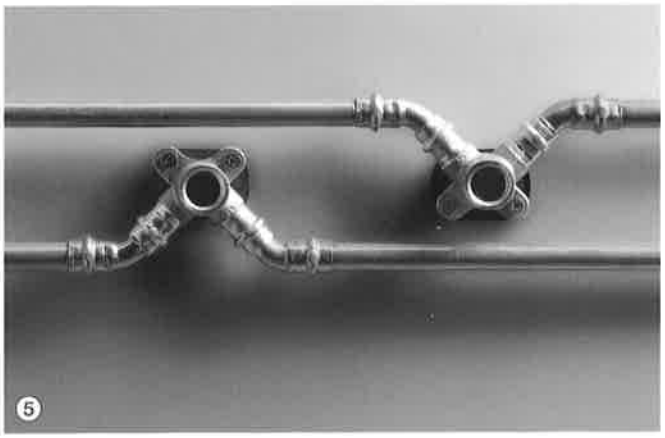
The practical component for cutting off building levels and apartments in dimensions from 15 to 22 mm (Fig. 4). It can be opened or closed with just a quarter turn. The full cross section is used when opened, keeping pressure losses very low as a result.

Wall and double wall panels – the reliable interfaces

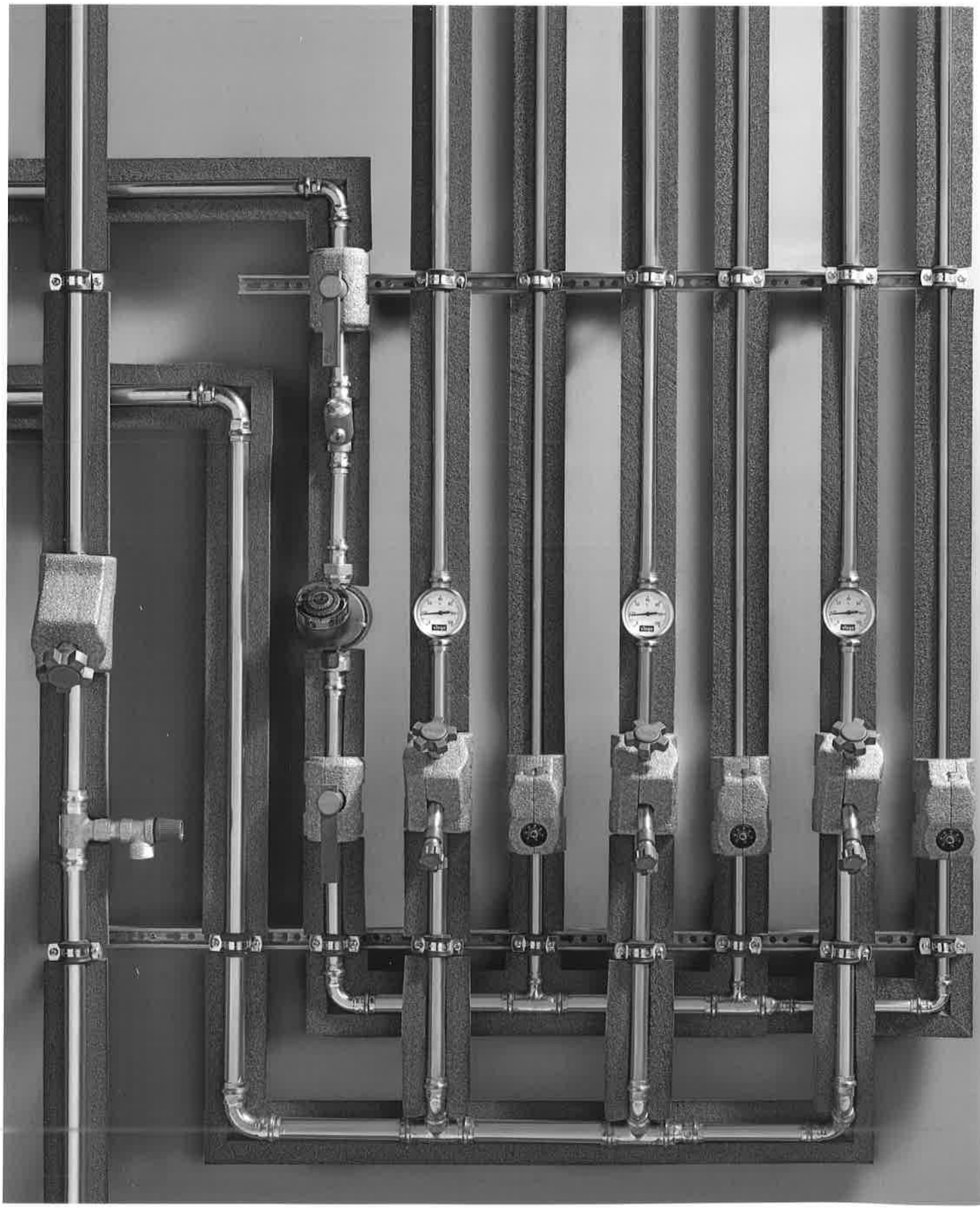
The sound-insulated wall and double wall panels are the central products for installing closed circular and series pipelines. They are flow-optimised and provide the customary safety with the SC-Contur (Fig. 5).













For hot water distribution, sufficient circulation is an essential condition for ensuring the temperatures stay consistent at each extraction point. This can be achieved through either parallel or internal circulation. Of course, Viega offers sophisticated technical system components for both installation designs.

Conventional technology: parallel circulation

Normally, the circulation water is routed in a separate circulation line next to the hot water pipes. This depends on there being sufficient insulation of the pipes in accordance with the German Energy Saving Regulation (EnEV).

Considerably more economic: Smartloop Inliner technology

The single pipe principle of the Smartloop Inliner technology is an intelligent alternative to normal installations. Because the Smartloop Inliner circulation line is located within the hot water pipe, there is no need for a separate circulation line. The advantages: reduced heat loss, reduced assembly work, smaller space requirement, less costs for insulation and fire protection.



One for all – the new Easytop circulation regulating valve

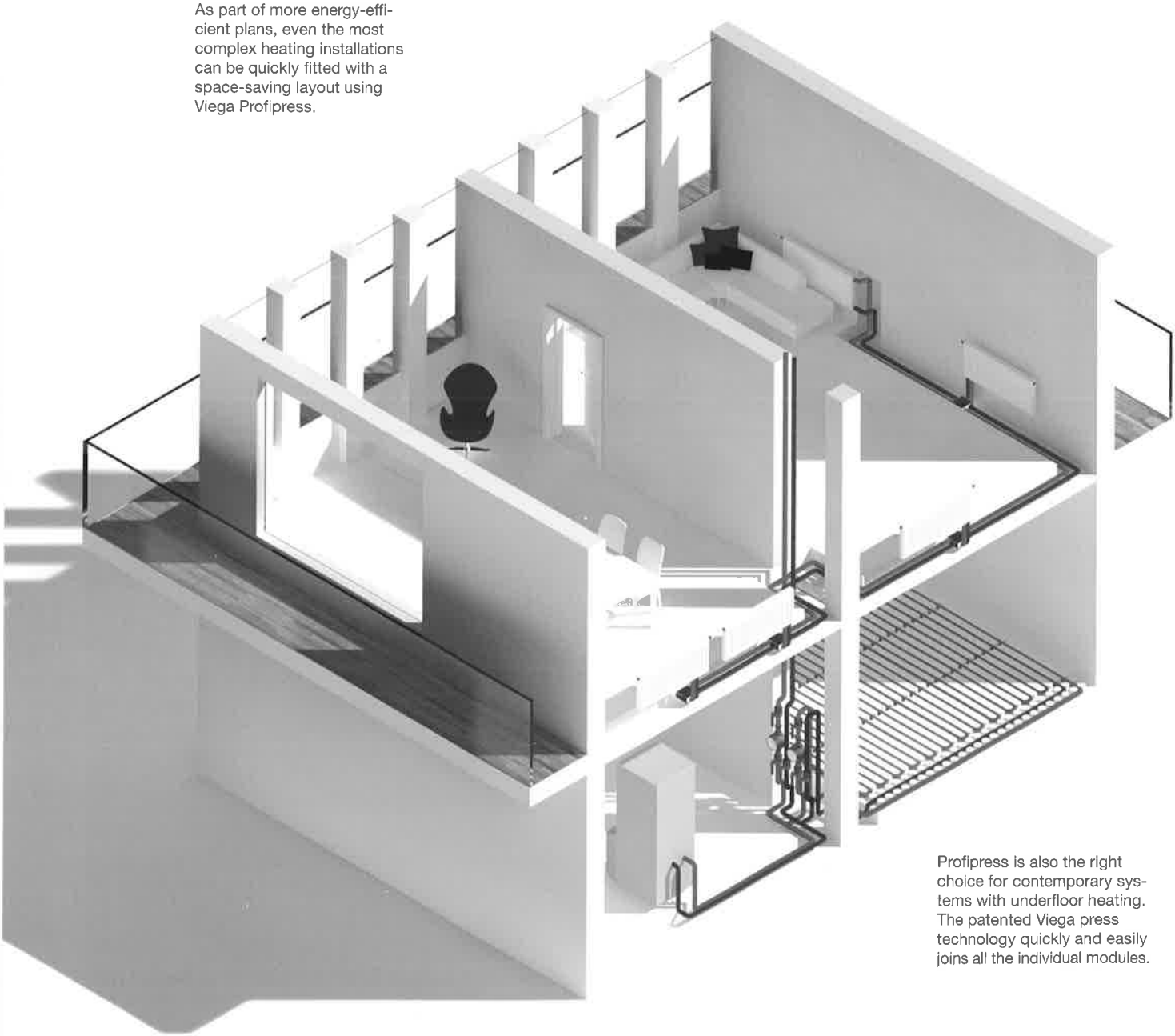
The Viega Easytop circulation regulating valve can be used as either a multiple-seated valve or sectioning valve and can be used at temperatures between 40 and 65 °C – a reduction in product designs to one valve which fulfils all demands of control and thermal disinfection. Using an actuator, it can also be integrated into the building control system.

With the Smartloop Inliner technology and Viega Profipress, internal circulation systems can be implemented in any hot water installation. The pipes must be insulated in accordance with the minimum insulation layer stipulated by the EnEV.



Viega Profipress in heating installations: for energy-saving assembly.

As part of more energy-efficient plans, even the most complex heating installations can be quickly fitted with a space-saving layout using Viega Profipress.



Profipress is also the right choice for contemporary systems with underfloor heating. The patented Viega press technology quickly and easily joins all the individual modules.

Viega Profipress is also in a league of its own for heating installations. Over 500 different press connectors and a multitude of optimised system components enable quick, safe and cost-saving solutions in even complex heating installations. In new builds as well as during renovations.

The guarantee for low installation heights: the Viega intersecting T-piece

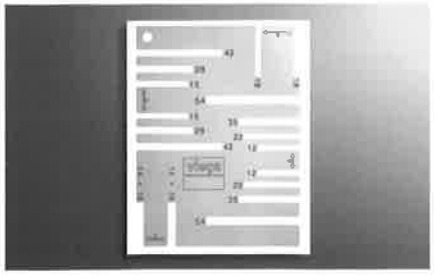
The intersecting T-piece makes it possible for heating pipes on a building level to intersect (Fig. 1). By retaining the single pipe installation height, it avoids jumping over pipes and enables a neater embedding of the pipework into the impact sound insulation.

For optimal insulation: the insulating box

To reduce heat emissions, heating pipes must be insulated in accordance with the EnEV. This means: 10 mm of insulation for pipes in underfloor layouts between heated rooms. This requirement is completely satisfied by the insulating shell of the intersecting T-piece (Fig. 2).

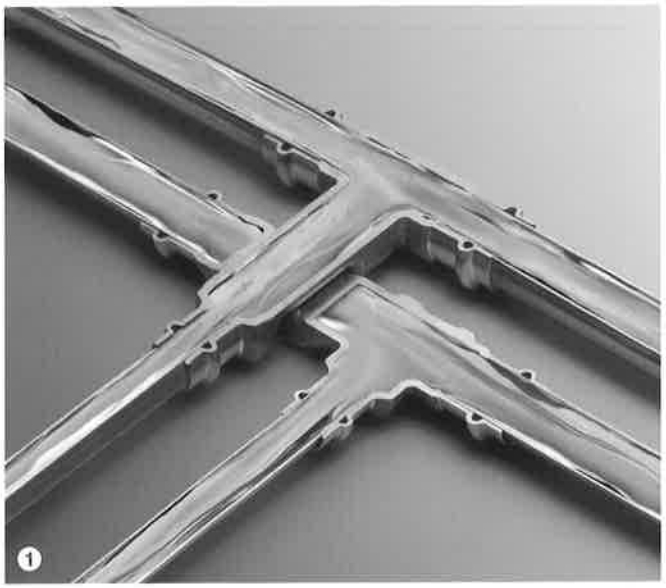
A matter of minutes: repairs with the Viega sliding sleeve

The perfect solution for repairs to pipes or for adding to and expanding pipework systems during renovations. Simply remove the relevant pipe section, adjust the sliding sleeve with millimetre precision, use a new component if needed, press and you're finished (Fig. 3)!



The Viega marking template guarantees that the correct insertion depth of the connection can be checked at a glance.

The Profipress intersecting T-piece makes it easy for pipes to intersect on a building level. Ideal technology for renovations when concrete floors and impact sound insulation must not be weakened by heating pipes and compact designs are demanded.



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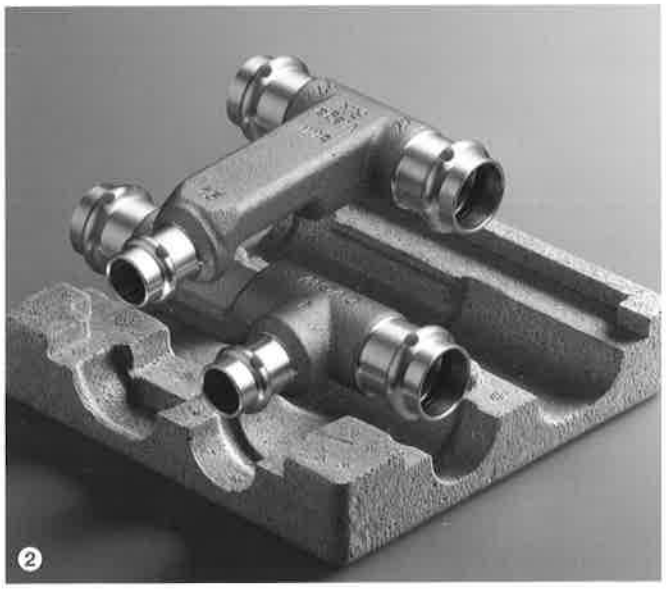

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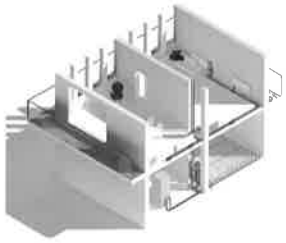

Viega Profipress is versatile, even when connecting boilers and taps and assembling cellar and distribution pipelines and riser pipes (Fig. 1).

Heating technology relies more than ever on efficiency – even during assembly. With Viega Profipress, intersections, boiler connections and repairs are just a question of a few short steps. The precisely coordinated connection designs make quick, cost-effective and energy-efficient solutions the new standard of installation technology.

Coherent connections, even when connecting boilers

Both conventional and modern condensing boilers frequently have connecting pieces with external threads. Viega Profipress offers seamless transitions to press technology for quick boiler connection.

Maximum flexibility thanks to arched connection pieces

Less space requirement, assembly effort and time expenditure – with the arched connection piece, it is quick to connect to the rising main and hard-to-access places. A real advantage, e.g. when renovating pre-wall heating installations (Fig. 2).

For space-saving installation: the Viega radiator connection block

The Viega radiator connection block is pre-insulated and ideal for space-saving installations. Especially practical: the radiator is only connected after all the screed, plaster, tiling and painting work has been completed (Fig. 3).

Simple assembly guaranteed: the new skirting board radiator connection part

It is quick to assemble, versatile and adjusts to the height of its surroundings: the skirting board radiator connection piece from Viega. It is no longer necessary to mortise for the radiator connections. The new connecting concept with plug-in adapter and retaining clamp guarantee easy and quick assembly (Fig. 4).



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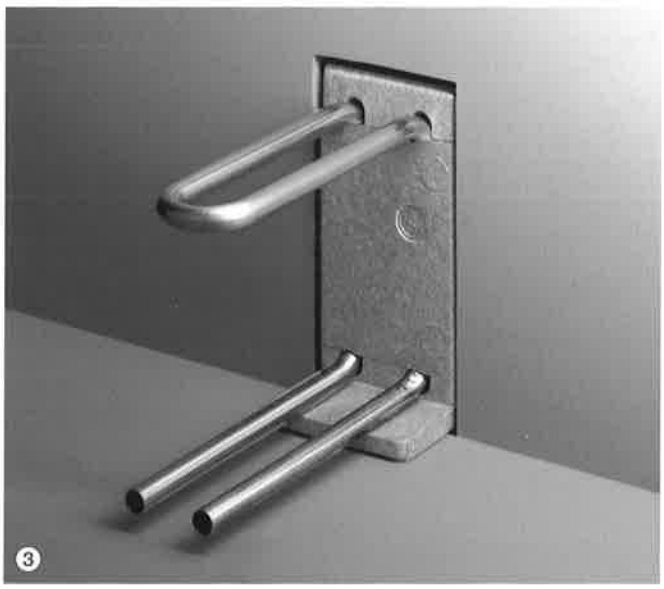

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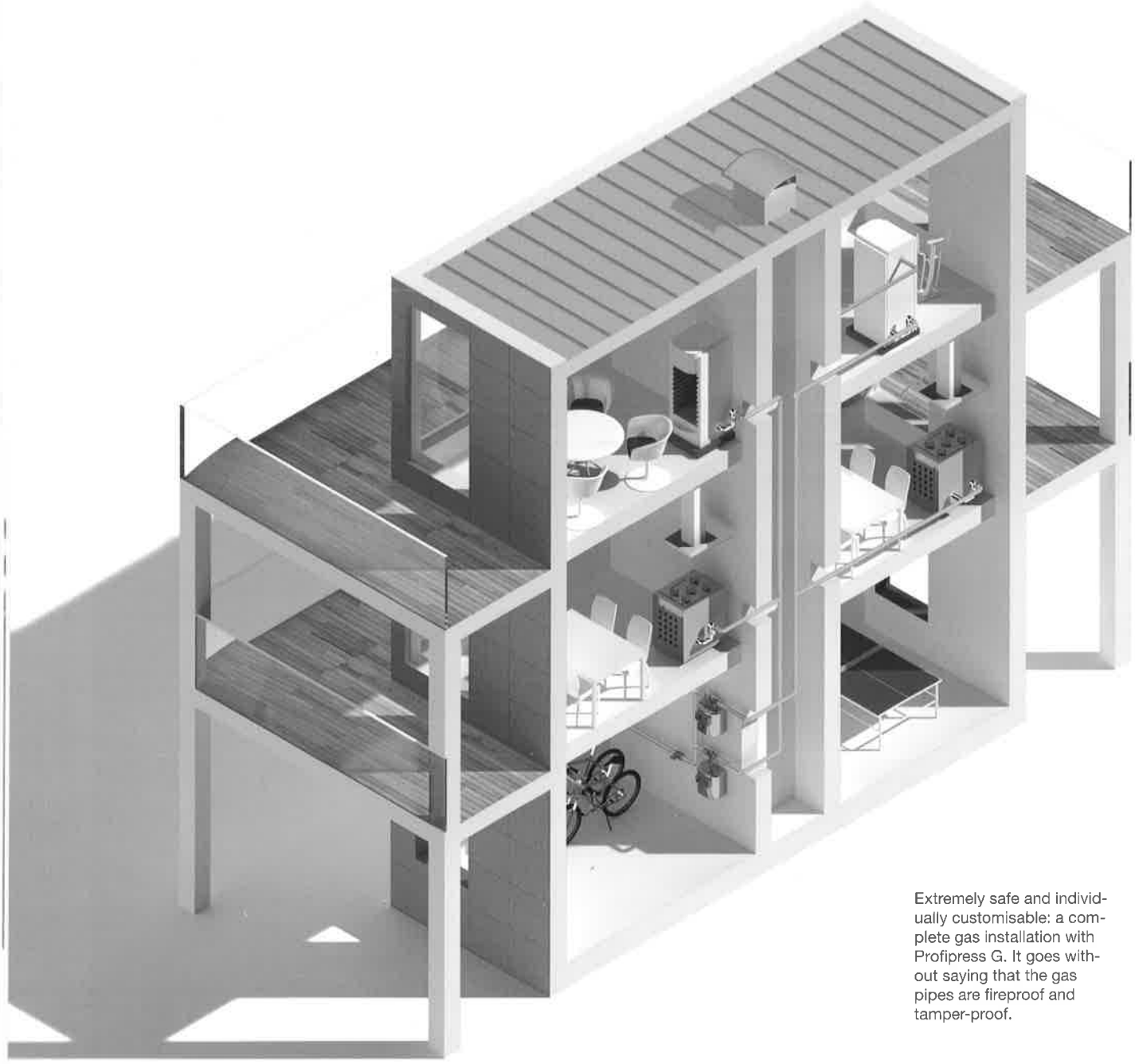
Viega Profipress G:
the safety factor for gas installations



Extremely safe and individually customisable: a complete gas installation with Profipress G. It goes without saying that the gas pipes are fireproof and tamper-proof.

Safety is the top priority for gas installations. Profipress G ensures that tradesmen are on the safe side, even during assembly. Thanks to Viega, entire installations can be completed with the patented press technology with particular speed, efficiency and, above all, with no risk of fire. Soldering is a thing of the past.

Versatility and practical relevance

Profipress G range is at least as versatile as the challenges of professional day-to-day business. It is certified for installations with gas in accordance with the DVGW and for liquefied gas in accordance with DVFG and heating oil and diesel pipes in accordance with DIBt. Versatility also defines the range. The range includes components in dimensions from 12 to 64 mm in order to realise entire installations.

Safely distinctive

Thanks to the Viega SC-Contur, the DVGW-certified Profipress G connectors are visible in case of a leak during a leakage test (Fig. 1). The yellow dot on the bead, a yellow rectangle and a high-quality, also yellow HNBR sealing element make Profipress G optically distinctive and clearly distinguishable. This also includes the packaging.



Everything from a single source: comprehensive safety

The strengths of the system are obvious: As pressed connections can no longer become loose, press connections are virtually tamper-proof as well as being inspected and licensed in accordance with the DVGW.

The yellow dot of the SC-Contur, the yellow HNBR sealing element and the yellow marking clearly characterise Profipress G and prevent any confusion. The cylindrical lead-in pipes protect against damage to the sealing element.









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Profipress G is uncompromising in terms of safety and comfort – from the house connection in the cellar to the gas outlet in the living space. The system is an outstanding choice when it comes to active protection against tampering, efficient assembly and flexible connection options.

Protection from tampering

Easy supply of the energy source directly into the house is what makes the use of natural gas so attractive (Fig. 1). But risks are concealed by the comfort - due to tampering, for example. The TRGI demands both active and passive measures to prevent unauthorised intervention. The Viega gas flow monitor is part of the safety concept.

Active protection against tampering: gas flow monitor

The gas flow monitor is certified for active safeguarding of gas installations in accordance with TRGI 2008 for gases according to DVGW datasheet 260. It can be used for operating pressure from 15 to 100 bar. Possible connection options: e.g. directly to the house connection, the pressure regulating device or in the gas meter connections (Fig. 2).

Can be used flexibly: Viega gas meter ball valves

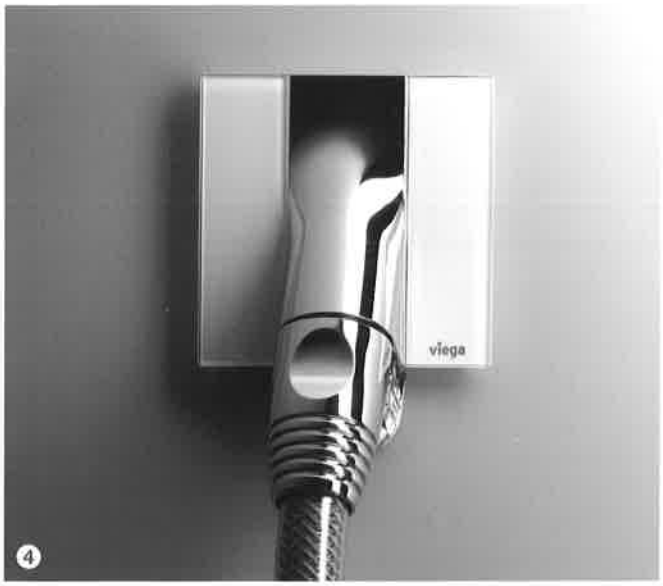
The valves have a press connection, are tamper-proof and certified and certified in accordance with the DVGW. They are available for single and double connection gas meters (optionally as an angled or through design), optionally with gas flow meter or thermal shut-off device (Fig. 3).

Flexible connection: Viega pre-wall and concealed gas outlets

Gas outlets with an integrated gas flow meter are recommended for non-permanent appliance installations: concealed models, lockable on request, in a visible area (Fig. 4), flush-mounted models for non-visible installations (Fig. 5).

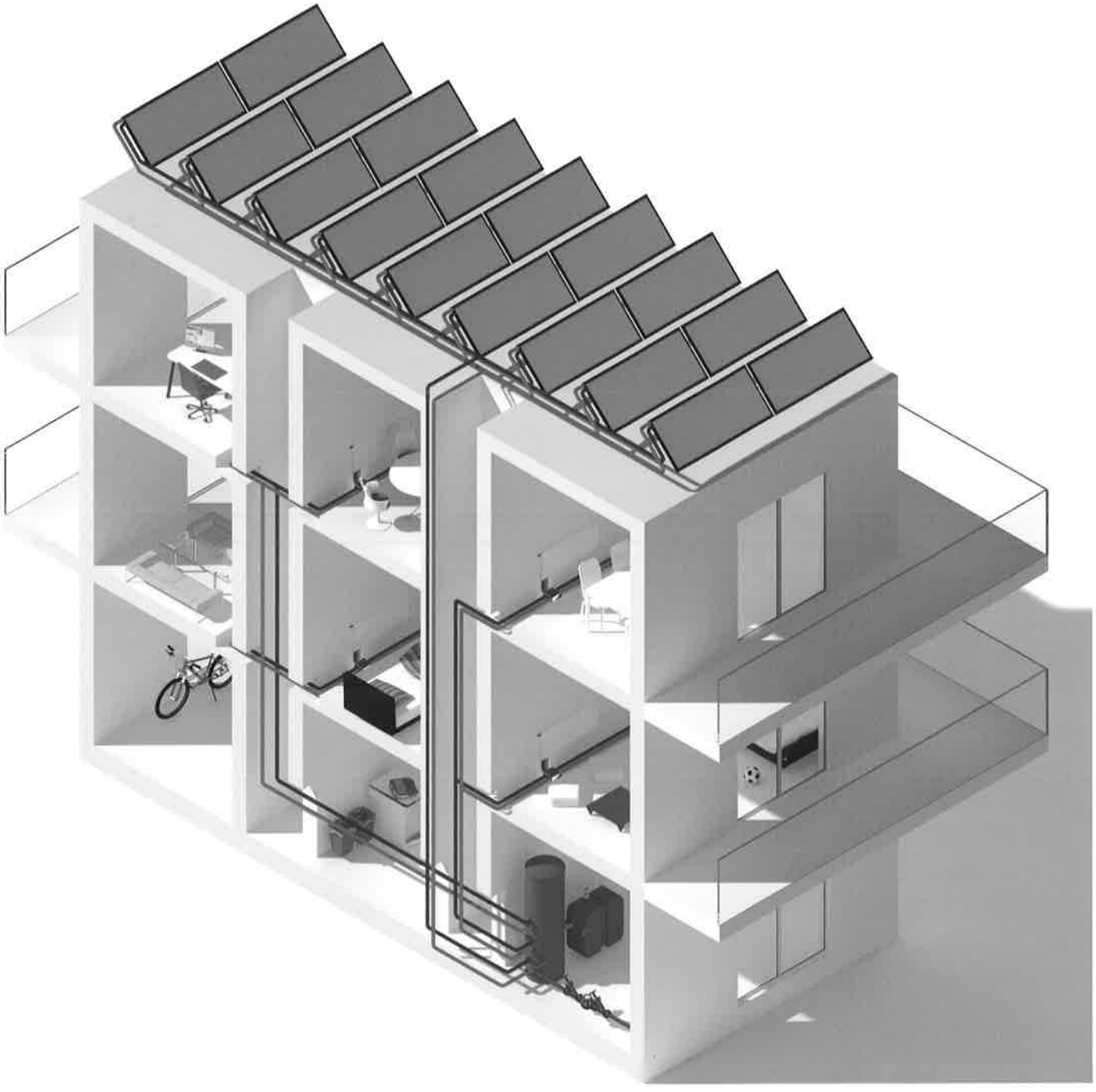
Gas flow meter, the safety guarantor: if a fault occurs and the shut-off flow is achieved as the result of an improper amount of gas flowing through, the valve shuts.







Viega Profipress S for special applications: ready for the future of energy supply.



Quickly, safely and professionally, Profipress S creates perfect connections for a huge range of energy and heating sources. The system is particularly well suited for use in installations for regenerative energies at higher operating temperatures.

Well equipped for all types of energy: Profipress S is designed for a huge range of special applications. It reliably proves its system competence, for example with solar energy, district heating and low-pressure steam systems. The Viega SC-Contur always guarantees visible inspection reliability.

Designed for higher operating temperatures

Profipress S is an outstanding choice for special applications in the higher temperature ranges. The system comes as standard in dimensions between 12 and 35 mm – with an FKM sealing element that is integrated during the manufacturing process. The sealing element is available separately from a dimension of 42 mm. To prevent any confusion, Profipress S connectors are supplied in an orange bag.



Direct connection with solar energy

Profipress S completely embraces the trend for regenerative energies. Because the pioneering Viega technology allows particularly easy and precise connection to solar collectors (Fig. 1). The system can be used both for flat plate collectors and for vacuum pipe collectors. It manages high standstill temperatures without any problems.

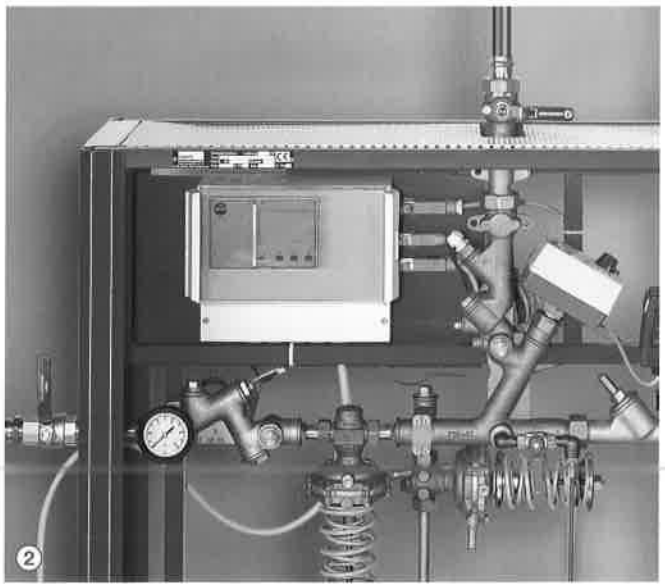
Use in district heating and low-pressure steam systems

The system can also be used for district heating systems with network flow temperatures of 120 °C to 140 °C. The maximum operating pressure must not exceed 16 bar. In addition, it is possible to use the system in low-pressure steam systems up to 120 °C and 1 bar in pressure (Fig. 2).

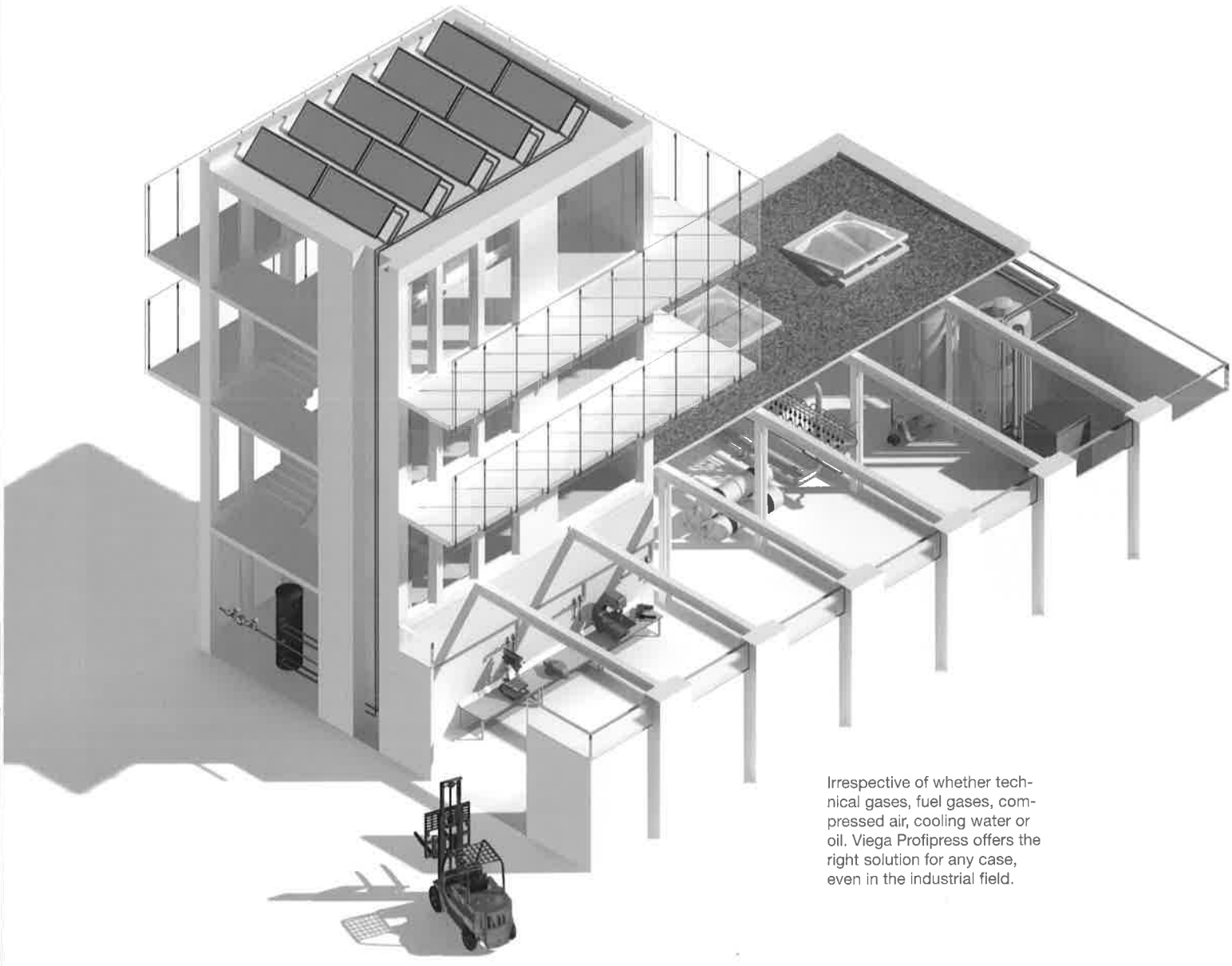
Profipress S press connectors are clearly recognisable from the white dot on the bead and the white marking with the "FKM" labelling.







Viega Profipress in industrial installations: all sizes, all media, all safe.



Irrespective of whether technical gases, fuel gases, compressed air, cooling water or oil. Viega Profipress offers the right solution for any case, even in the industrial field.

Only innovative technology guarantees low downtimes, high cost-effectiveness, reliability and longevity in industrial use. Like Viega Profipress. The strictest quality tests and extensive service are the foundations of the outstanding reputation of this tried-and-tested system.

The core of the pipe connector – the sealing element

To guarantee long-term flawless operation in industrial applications, only high-quality elastomers are used for the Viega Profipress sealing elements. They are coordinated precisely to the relevant media, pressure and temperature conditions. EPDM (up to 110 °C), FKM (up to 140 °C) and HNBR sealing elements (gas installations) are used.

Tailored solutions for any system

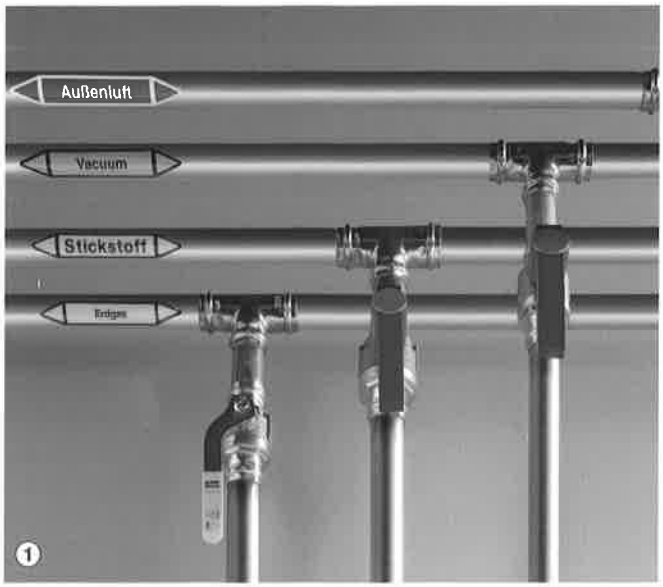
The Viega service centre can compile individual recommendations for any customer. This guarantees that the optimal systems, components and sealing materials are used in a system, depending on the field of use (Fig. 1).

Visible inspection reliability, even in XL dimensions

With the cold Viega press technology, even XL dimensions can be safely pressed in seconds (Fig. 2). The connections are visibly leaky when unpressed. On the other hand, in a pressed state, they are longitudinally force-locked and permanently sealed.

The right press connectors for installations which transport compressed air, cooling water, technical gases, industrial water or oil-bearing media.





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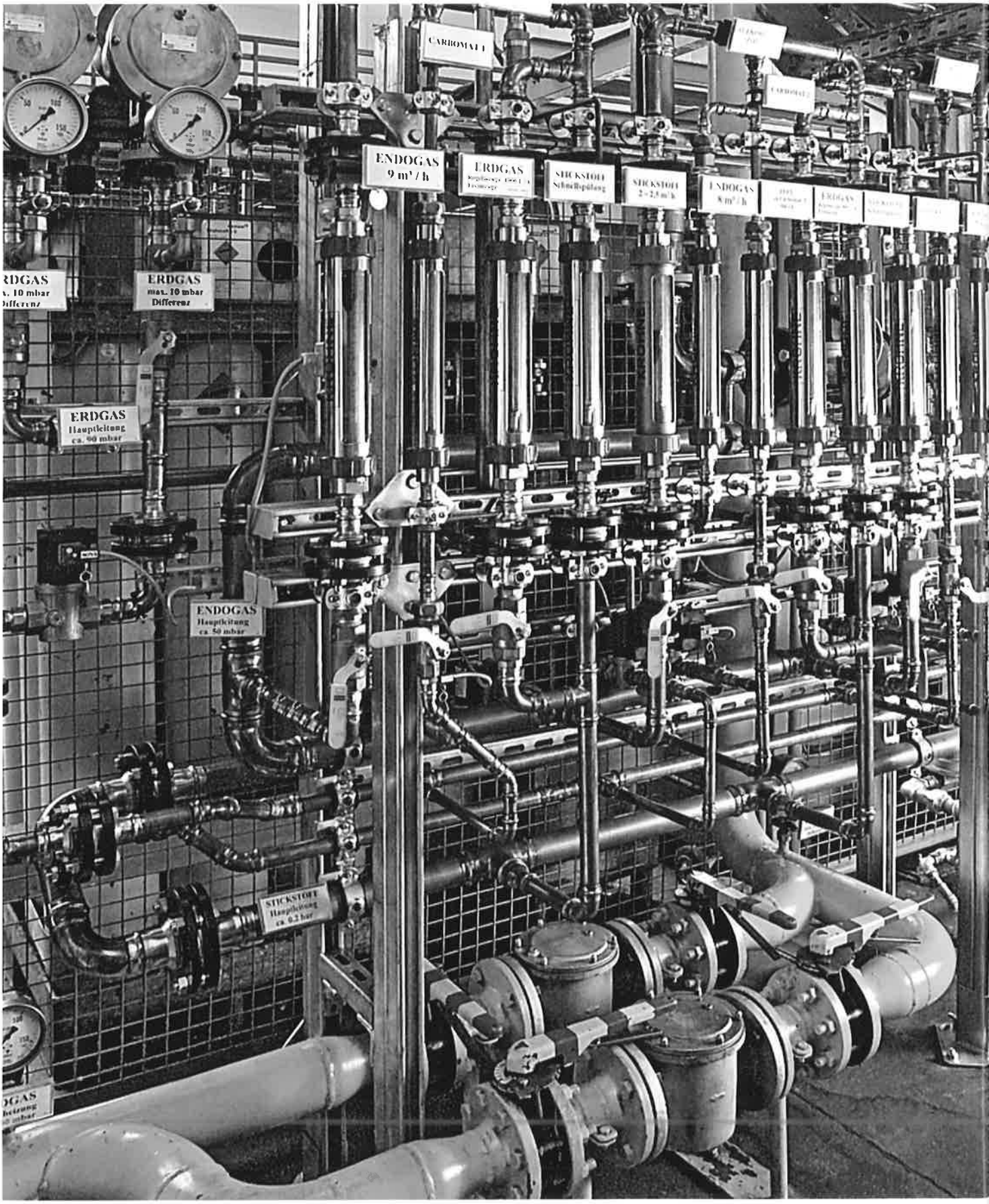
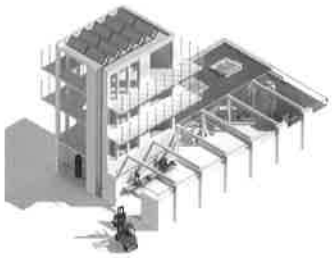

CARBOMAT I
ENDOGAS
9 m³ / h
ERDGAS
STICKSTOFF
Schnellspülung
STICKSTOFF
2 - 2,5 m³/h
ENDOGAS
8 m³ / h
ERDGAS
max. 10 mbar
Differenz
ERDGAS
Hauptleitung
ca. 90 mbar
ENDOGAS
Hauptleitung
ca. 50 mbar
STICKSTOFF
Hauptleitung
ca. 0,2 bar



Since its invention, Viega press technology has gradually branched out into more and more new fields of use. With attributes such as cost-effectiveness, resistance and longevity, Profipress from Viega is also used widely in industrial installations.

A match for any task

The pipework system must also be perfectly tailored to the medium and its individual properties. Thanks to an extensive range of connectors, dimensions and sealing elements, this is the case with Profipress: in gas, oil and cooling water systems as well as in nitrogen and compressed air installations. The table below provides an overview of the Profipress fields of use.

Constant quality checks provide safety

Only high-quality products guarantee operational safety for industrial and technical applications and reduce possible downtimes due to arising repairs. Viega subjects all components to the strictest quality tests, during which the load capacity and longevity are tested under practical conditions. Because quality begins back in the development phase.

Viega Profipress guarantees the maximum level of corrosion resistance in industrial systems, e.g. in gas and oil installations (Fig. 1). However, Profipress is also a good choice in shipbuilding where particular safety is relied upon (Fig. 2).



1


2

Use \ System	Profipress	Profipress G	Profipress S
Technical gases			
Compressed air	✓	✓	
Oxygen	✓	✓	
Nitrogen	✓	✓	
Noble gases such as argon, Korgon etc.			
Natural gas	✓	✓	
Liquefied gas		✓	
Fluid media			
Heating oil		✓	
Diesel fuel		✓	

Use \ System	Profipress	Profipress G	Profipress S
Cooling circuits	✓	✓	
Sprinkler systems	✓		
Fire protection	✓		
Drinking water	✓		
Process water	✓		
Special applications			
Solar energy			✓
District heating			✓
Low-pressure steam			✓
Heating and cooling			
Cooling circuits	✓		

Overview of possible uses
Please see the technical documentation for detailed on the exact fields of use, operating temperatures and pressures.

Viega pressing tools.
The technology that brings everything together.





Pressing tools from Viega prove themselves in the most difficult working conditions. They belong to the safest and most reliable in Europe and are certified by TÜV. Long service intervals make them more economical.

Light, practical, fast: Viega Pressgun

With the Pressguns 4E and 4B, you have a pressing tool of the highest standard. They are lighter, faster and easier to handle. The battery-operated machine 4B (18 V) has a highly modern lithium battery and is suitable for the sizes from 12 to 108 mm, just like the electric version 4E (230 V). Both machines are compatible with all of the Viega press jaws. Their pressing time of 3 seconds places them among the fastest of their kind. Unrivalled flexibility is achieved via the hinged press ring with the 180° rotatable press head for the sizes from 12 to 108 mm. Their exceptional price/performance ratio is also to be noticed in the minimal maintenance costs. A service check is not required until 32,000 pressings have been made.

Small, light, flexible: The new Viega Pressgun Picco

The name says it all with this pressing tool range. The Viega Pressgun Picco for sizes up to 35 mm distinguishes itself through its small dimensions and its minimal basic weight of only 2.5 kg. It can also be used with the 180° rotatable press head. The practical Picco case comes with a pressing tool and 3 press jaws. There is room in the case for the storage of additional press jaws.















Viega Profipress. Overview of all products.

The following overview of individual elements from the Profipress product line illustrates the wide range of possible uses. The specified number is the model number and describes the shape of the connector or component. The dots before the model number indicate possible applications. Green stands for drinking water, yellow for gas, blue for labs-free and white for special applications. More detailed information is available from the model number index in the product catalogue.



- 2416
- 2616
- 4516



- 2226XL



- 2418.1
- 2618.1



- 2416XL
- 2616XL



- 2426.1
- 2626.1
- 4526.1



- 2418XL
- 2618XL



- 2216XL



- 2426.1XL
- 2626.1XL



- 2218
- 4518



- 2416.1
- 2616.1
- 4516.1



- 2226.1XL



- 2218XL



- 2416.1XL
- 2616.1XL



- 2426.2



- 2427



- 2216.1XL



- 2214
- 2614



- 2428



- 2416.2



- 2214.3



- 2217.1



- 2426
- 2626
- 4526



- 2214.2
- 2614.2



- 2217.2
- 2617.2
- 4517.2



- 2426XL
- 2626XL



- 2418
- 2618



- 2417.2XL



- 2217.2XL



- 2415XL
- 2615XL



- 2113



- 2211
- 2611
- 4511



- 2215XL



- 2213P



- 2411XL
- 2611XL



- 2415.2



- 2215.6



- 2211XL



- 2215.5
- 2615.5



- 2260



- 2212
- 2612
- 2212LF
- 4512



- 2215.4



- 2262
- 4562



- 2412XL
- 2612XL



- 2415.5XL
- 2615.5XL



- 2265
- 2265LF



- 2212.3
- 2612.3



- 2215.5XL



- 2255



- 2212.4



- 2415.1
- 2615.1
- 4515.1



- 2263



- 2211.1
- 2611.1



- 2415.1XL
- 2615.1XL



- 2263XL



- 2212.1
- 2612.1



- 2215.1XL



- 2264



- 2415
- 2615
- 4515



- 2213



- 2267



● 2269



● 2225.5
2625.5



● 2222.05



● 2251
4551



● 2225.6



● 2222.1



● 2457
2457



● 2225.7



● 2222.2



● 2456
2656



● 2217.3



● 2276.1



● 2456XL



● 2232.11



● 2259.1



● 2256XL



● 2232.31



● 2259.1XL



● 2259.5
2659.5



● 2232.1
2632.1



● 2237



● 2459.5XL



● 2232.3



● 2238



● 2259.5XL
2659.5XL



● 2218.4



● 2239



● 2259.2XL



● 2221



● 2234.1



● 2225



● 2222



● 2270



● 2270.4



● 2247



○ G2325



● 2270.1



● 2273.1



○ G2020T



● 2242



● 2277.2



○ 2643



● 2240



● 1075.96



○ 2646



● 2235



● 2214.1



○ 2624



● 2252



● 2272.1



○ 2614.6



● 2249.3



● 2272.2



○ G2343



● 1097.6



● 2213.3



○ 2648



● 1097.9



○ 2641.2HT



● 2244



○ 2645



● 2248



○ 2644

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