Viega Megapress

Presses thick-walled steel: cold, safe and in seconds.

Viega

Viega.

CONNECTED IN QUALITY.

Viega is convinced: Quality is everything. Without quality, everything means nothing. That is why the company strives to exceed itself each and every day. By means of regular dialogue with its customers, by developing better products and service features and by an approach to the future that does not lose sight of its past.

Viega has been connected in quality for over 115 years. It all began with the vision of revolutionising installation technology. Today, Viega is still a family-owned company, but now a world market leader with over 4,000 employees and 10 locations spread over the globe. And it still remains true to itself and sets its own high standards.

It is of importance to Viega to support its customers in their daily work. To this end, it shares its knowledge with customers all over the world, matches materials, technology and comfort, takes time for quality management and invests in research and development. The result: a perfectly coordinated system providing customers fast and reliable access to over 17,000 products.

Quality is everything. Without quality, everything means nothing.

CONTENTS

6
Viega Megapress: Saves installation time, labour costs and a lot of welding work.

8
Viega Megapress: Quick, clean, safe and completely weld-free.

10
The SC-Contur: Ensures leakproof installation of steel pipes. For sure.

12
Industrial applications: For high requirements and highest standards.

14
Domestic technology: A big advantage even on the small scale.

16
Viega Megapress press-in branch connector: Direct connection in just two minutes.

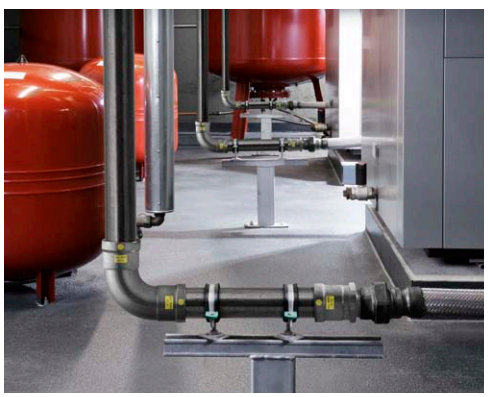
18
Viega Megapress G: Puts an end to welding work also in the gas installation.

20
Viega Megapress G: Withstands all – even the highest requirements.

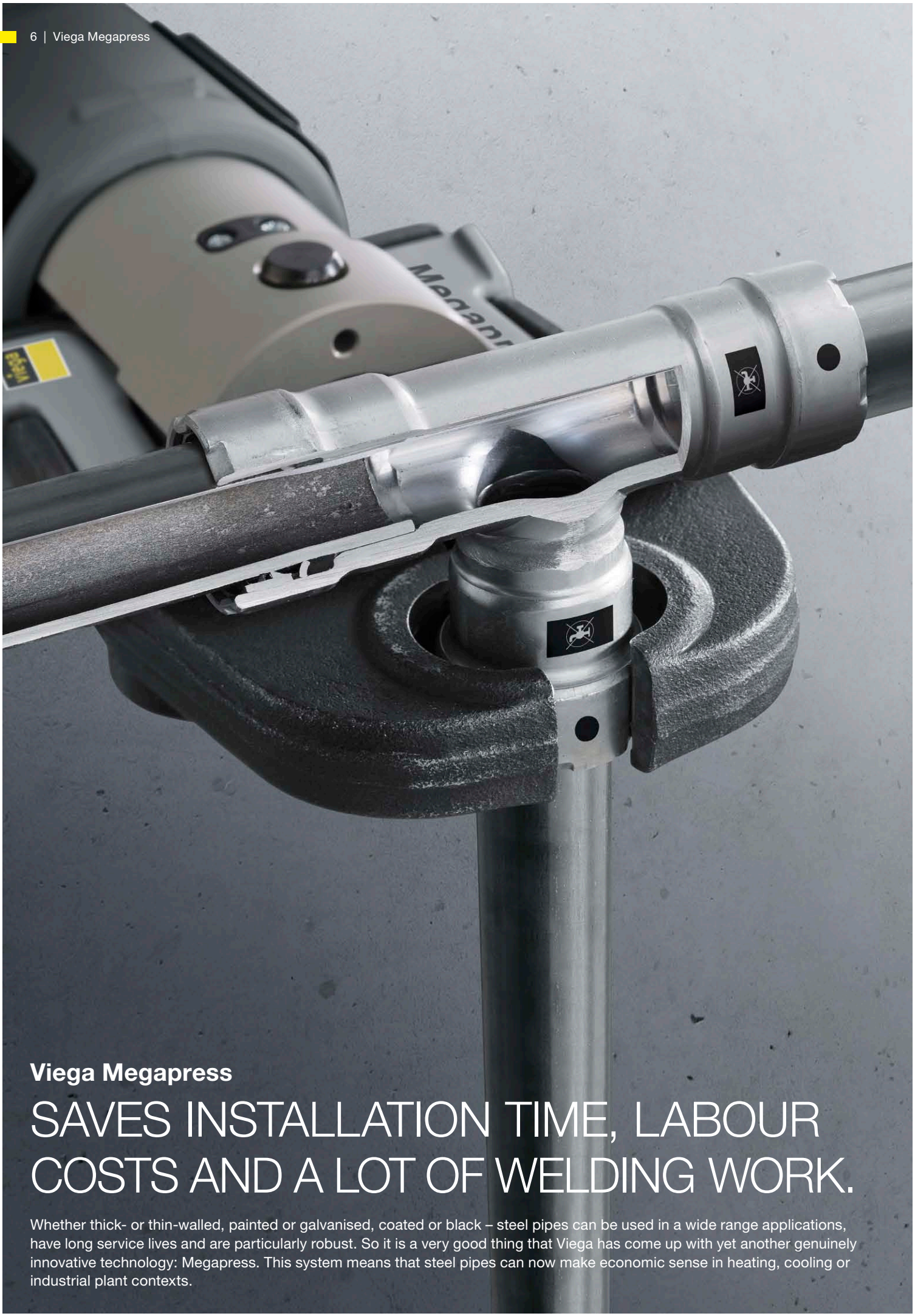
22
Pressguns: Takes seconds to connect what belongs permanently joined.

24
Pipe overview

26
The product range.



Megapress
Pressgun 5
18V
Li-ion



Viega Megapress

SAVES INSTALLATION TIME, LABOUR COSTS AND A LOT OF WELDING WORK.

Whether thick- or thin-walled, painted or galvanised, coated or black – steel pipes can be used in a wide range applications, have long service lives and are particularly robust. So it is a very good thing that Viega has come up with yet another genuinely innovative technology: Megapress. This system means that steel pipes can now make economic sense in heating, cooling or industrial plant contexts.

One system for all applications

Viega Megapress is the press technology that can even cope with thick-walled steel pipes. The formed-pipe connectors made of 1.0308 steel material with a zinc-nickel coating guarantee the highest quality and durability, and therefore of course a long service life. Steel pipes in compliance with DIN EN 10255 with threaded pipe quality and in compliance with DIN EN 10220/10216-1 and DIN EN 10220/10217-1 in boiler pipe quality, in the sizes ⅜ to 2 inches – and now also in 2½, 3 and 4 inches – can be connected safely and reliably using the Viega Megapress system.

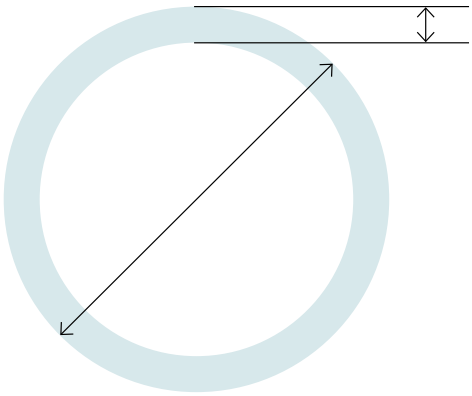
Applications	Certification
Heating/cooling	TÜV
Compressed air/ technical gases (e.g. nitrogen)	TÜV
Sprinkler systems/ fire extinguishing systems (wet/dry)	VdS, FM
Shipbuilding	DNV/GL, LR, RINA
Industry	TÜV

An economic advantage

Viega Megapress has a clear advantage over common connection methods for thick-walled steel pipes. Especially when it comes to welding, cold press technology is far superior. Although welding is a proven method still today, it always involves high time expenditure, permanent fire risk and strenuous physical effort. This does not only render welding economically unattractive – carrying heavy gas cylinders and welding apparatus is a really back-breaking job. And this especially if the connection is located several metres high or at hard-to-access locations. Cold press connecting technology makes Viega Megapress simply faster, safer, and more efficient. Viega press tools also make sure that connections are durable and safe.

Through thick and thin

Viega Megapress can be used to connect both thick-walled steel pipes of threaded pipe quality and pipes of boiler pipe quality – even in the intermediate sizes 44.5 and 57.0 mm. The connectors are especially designed for processing different external pipe diameters and wall thicknesses, thus offering maximum flexibility.



Pipe wall thicknesses and diameters according to DIN EN 10255, DIN EN 10220/10216-1 and DIN EN 10220/10217-1.

Whether seamless, welded, galvanised, industrially painted, epoxy-resin coated or black: Viega Megapress connects pipes with the most different surfaces. Durable and safe – from ⅜ to 4 inches!

Viega Megapress

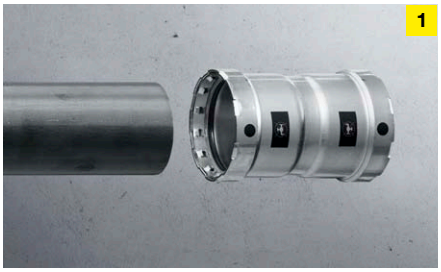
QUICK, CLEAN, SAFE AND COMPLETELY WELD-FREE.

Black steel pipes formerly meant: welding work. With Viega Megapress press technology now finds its way into steel pipe installation and brings about a whole string of advantages.

Up to 60 % faster completion
The connection with Viega Megapress is ready in a few working steps. Just cut the steel pipe to length, deburr and clean it, and transfer the insertion depth of the connector to the pipe end (Fig. 1). Then put the connector on the pipe and apply the press jaw or press ring (Fig. 2). Join Megapress connectors from ⅜ to 2 inches with the aid of a Viega press machine (Fig. 3), and in addition establish a force-fit connection for pipes from 2½ to 4 inches using the Pressgun Press Booster (Fig. 4). Finally remove the safety tag on the press connector to indicate that pressing had already been completed at this place. It is irrelevant which steel pipe wall thickness is used as long as the pipes are compliant with DIN EN 10255, DIN EN 10220/10216-1 or DIN EN 10220/10217-1.

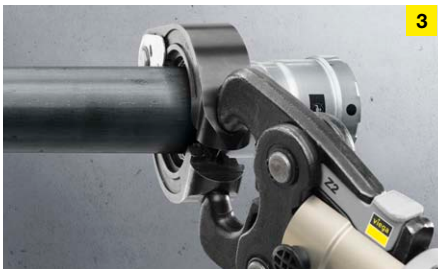
Result is a safe and guaranteed leak-proof connection which can be fully loaded at once. Cooling times or a fire guard are no longer necessary. And the best of all: Press technology is not only safer and easier but also more efficient. Using Viega Megapress can save up to 60 % installation time compared with welding for the sizes from ⅜ to 2 inches for the connection technology. It is even up to 80 % for sizes from 2½ to 4 inches. Megapress XL can be used for example to complete a press connection of 4 inches in less than 20 seconds. As the circumstances may be, welding takes more than 25 minutes. It's similar with other methods such as threaded, roller groove, or coupling connections. They can also in terms of speed not keep up with cold press technology and consume significantly more time.

A new dimension of force
It is entirely new that Megapress XL can now be used also to press larger steel pipes of sizes 2 ½ to 4 inches. It's logical that the force needed for a force-fit connection increases – but equally logical and clever is the Viega solution: the Pressgun Press Booster. This force booster which is put on a Viega press machine ensures the required press energy for a reliable connection. The geometry of the spherical heads of the permanently integrated hinged adapter jaw had been especially developed for pressing with the Megapress XL press rings. This geometry reliably transfers the higher pressing force and rules out accidental use with incompatible press rings. The carrying strap additionally attached to the press tool as well as the low weight of the Pressgun Press Booster ensure the best possible ergonomics while working. This makes the Pressgun Press Booster one of the most innovative solutions in the market.



The steel pipe is cut to length and cleaned. Then the insertion depth is measured and marked, Then the Megapress connector is put on the pipe up to the mark.

For pressing Megapress connectors from 1¼ inch upwards, only press rings with hinged adapter jaws are used. For smaller sizes between ⅜ and 1 inch, both press jaws and press rings with hinged adapter jaws are available.

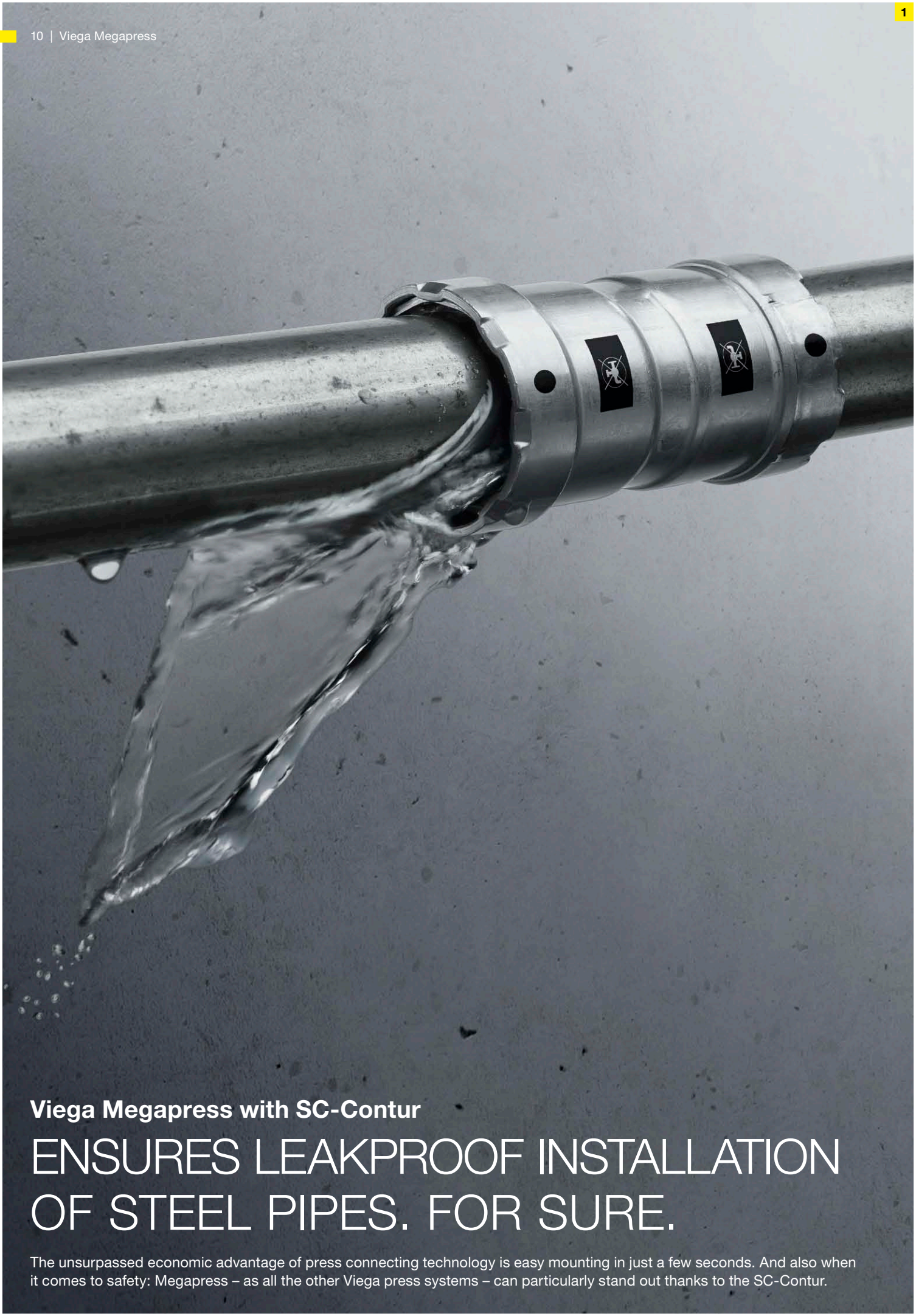


The connector is pressed in a few seconds using a Viega press machine thus connecting it with the pipe by a force-fit connection.

REASONS FOR VIEGA MEGAPRESS

- In terms of economy, up to 60 % less installation time for connection compared with welding for sizes from ⅜ to 2 inches, and up to 80 % for sizes from 2½ to 4 inches.
- Absolutely fire-safe, because neither flames nor fumes arise with cold press technology.
- No additional time and cost expenditure for fire protection precautions.
- Viega SC-Contur in all Megapress connectors. This immediately indicates any inadvertently unpressed connections during the pressure test.
- For universal use. Presses thick-walled steel pipes with nominal connection diameters from ⅜ to 4 inches, regardless whether the pipe is seamless, welded, black, galvanised or epoxy resin coated.
- Thanks to the innovative Pressgun Press Booster from now on it is even possible to connect steel pipes of sizes 2½, 3, and 4 inches by a force-fit connection.

Megapress XL connectors are pressed easily, quickly and safely using a press machine and the Pressgun Press Booster.



Viega Megapress with SC-Contur

ENSURES LEAKPROOF INSTALLATION OF STEEL PIPES. FOR SURE.

The unsurpassed economic advantage of press connecting technology is easy mounting in just a few seconds. And also when it comes to safety: Megapress – as all the other Viega press systems – can particularly stand out thanks to the SC-Contur.

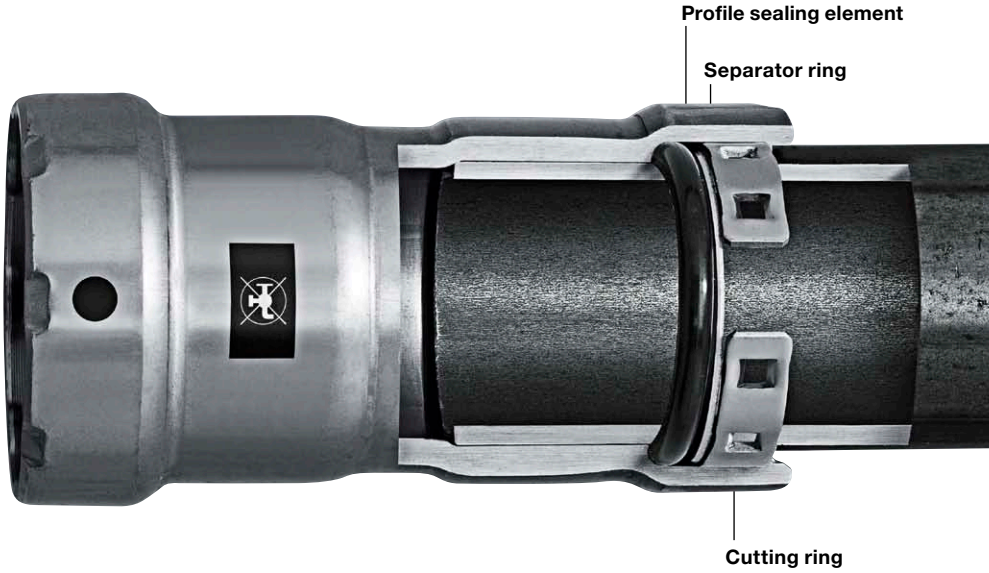
Viega SC-Contur is an innovative safety feature that causes guaranteed forced leakage in unpressed connections. This identifies any inadvertently unpressed connections during the leakage test and they can be pressed subsequently. Viega SC-Contur ensures 100 % safety – over the entire testing range.

Complex requirements, simple solution

Viega Megapress certainly also comes with the SC-Contur. Forced leakage is produced in Megapress by an optimised tolerance between the press connector and the steel pipe. This is the best answer to the special requirements on a connector made by the different wall thicknesses and surfaces of steel pipes. Megapress becomes a flexible steel pipe connector system by matching the connector diameter to the large number of steel pipe variants (Fig. 1).

Safety at a glance

The SC-Contur allows simply and centrally checking the leak tightness of the entire installation. The dry testing range is between 22 mbar and 3 bar, while the testing range for wet leakage testing is from 1.0 to 6.5 bar. Viega Megapress thus does not only satisfy the requirements of common standards and regulations, but even surpasses them in some cases – for example with a significantly larger pressure range.



A separator ring in front of the sealing element prevents for connectors up to 2 inches that it is damaged when the pipe is inserted. The cutting ring forces into the pipe during pressing and gives particular strength to the connection.

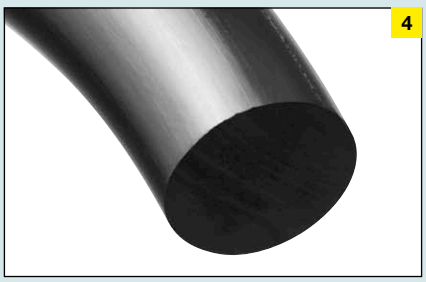
Not for drinking water

Viega Megapress is – except for the Megapress gunmetal adapter fitting for galvanised steel pipework – not suitable for installation in drinking water pipelines. Every single connector has a clearly visible mark (Fig. 2). This rules out mixing up or accidental incorrect use of Viega Megapress.

Play it safe for all applications

Megapress connectors of sizes from ⅜ to 2 inches have a profile sealing element made of EPDM (Fig. 3) and can be used for operating temperatures up to the max. of 110°C. On the other hand, Megapress XL connectors of sizes 2½, 3, and 4 inches come with an FKM sealing element with an increased cross-section diameter (Fig. 4) which is suitable for being used at elevated operating temperatures up to 140°C. Both sealing elements allow pressing seamless, welded, galvanised, industrially painted, epoxy resin coated and black steel pipes with the same connector. In pressing, the Megapress profile sealing element encloses the pipe on three points at the same time and ensures that the connection is absolutely leakproof even with rough surfaces. The Megapress XL sealing element offers the same sealing properties thanks to its wider supporting surface and no profile is needed.

Megapress profile sealing element up to 2 inches



Megapress XL sealing element over 2½ inches

Viega Megapress in industrial applications

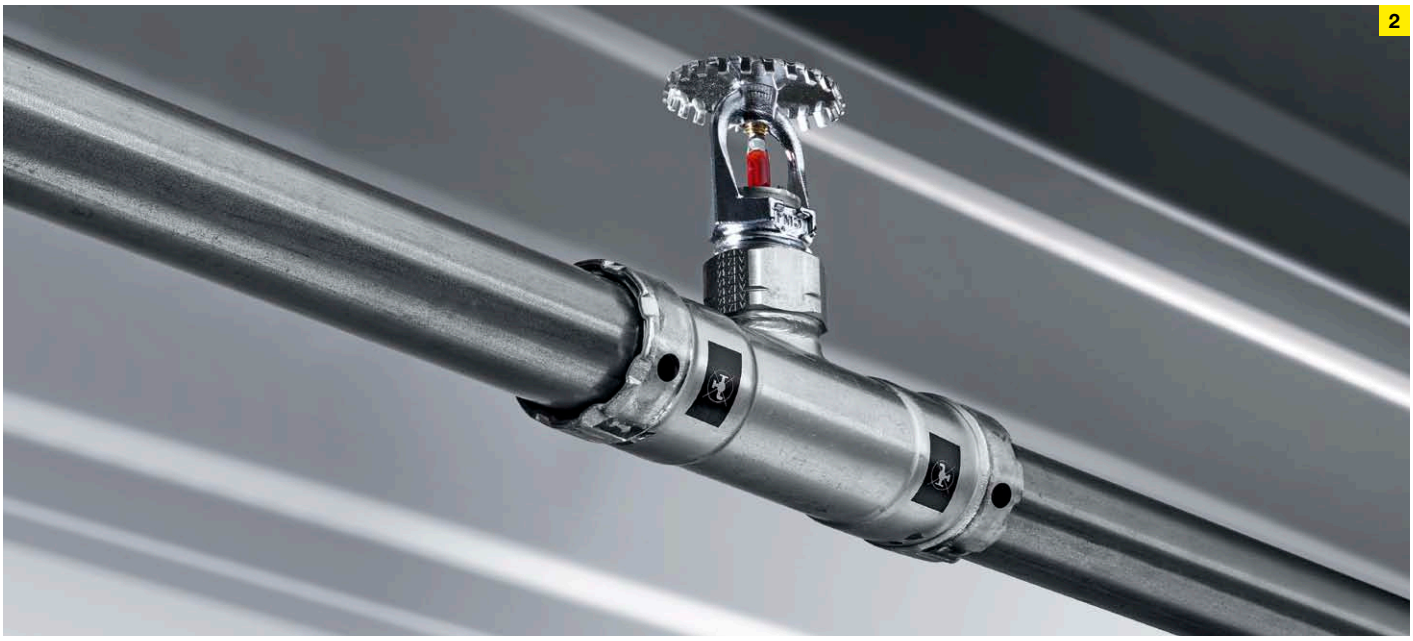
FOR HIGH REQUIREMENTS AND HIGHEST STANDARDS.

Lots of things have to be observed for pipeline installation in industrial applications. Whether cooling, heating, sprinkler, or compressed air systems – each application has unique requirements that may quickly reach larger dimensions. Viega Megapress offers a variety of advantages in all cases that make the decisive difference.

1

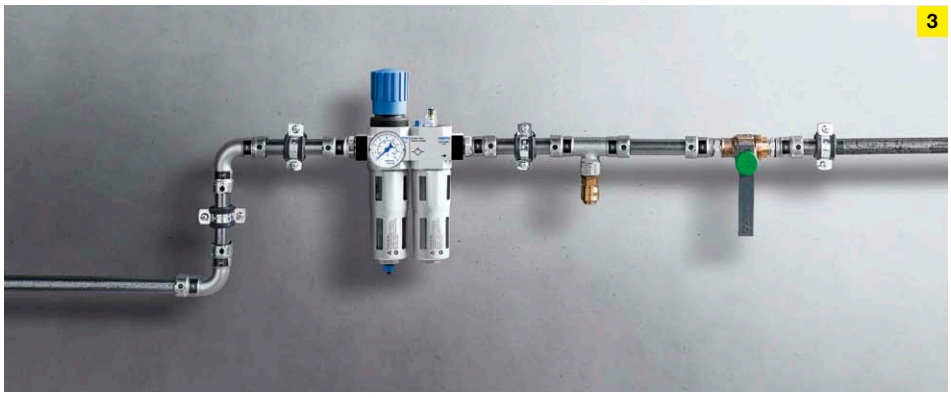
Large pipe sizes for low temperatures
When it comes to cooling systems, it is generally known that rather larger dimensions are used to allow the transport of the required cooling capacity (Fig. 1). The new Megapress XL sizes from 2½ to 4 inches satisfy this requirement and to do completely without welding even in large cooling systems. The system can even be downsized without any problems using Megapress sizes from ⅜ to 2 inches.

Corrosion protection and time savings with one connector
Corrosion protection must be given special attention in cooling systems. The high temperature gradient between the medium conveyed and the surrounding room air quickly results in the formation of condensation water thus increasing the risk of corrosion. To avoid this, in most cases industrially painted steel pipes with a coating according to AGI Arbeitsblatt Q 151 (AGI Worksheet Q 151) are used in cooling systems. However, if the installation is joined by welding, it is required to remove just this coating from the pipe at first and then extensively re-apply it after welding. This is different when using Megapress. The connectors can be pressed immediately on the pipe coated according to AGI Worksheet Q 151.


2

Industrial heating systems
Thick-wall steel pipes are perfect for being used in industrial applications. The Megapress system can withstand the high industrial requirements and is installed quickly and safely thanks to the cold press technology.

Sprinkler and fire extinguishing systems
Sprinkler systems of thick-walled steel pipe (Fig. 2) are mandatory due to their reliability and durability, stability and long service life in buildings of high risk classes, as e.g. industrial and commercial facilities, and even prescribed by the Legislature. After all, they must not only resist the intense heat in the event of a fire but also withstand the stringent external operational demands in everyday use. Viega Megapress with the sizes from ¾ to 4 inches is ideal for construction and extension of such sprinkler systems. The system complies with the specifications of the highest risk classes and has VdS certification. Until now it was permitted to use only grooved coupling systems or welded systems in the highest fire hazard classes (production and storage risks). With Megapress, press technology can from now on be used without any concerns.


3

4

Compressed air systems and technical gases
Good additional examples for steel pipe installations in industrial applications are also compressed air systems (Fig. 3) and pipe networks for technical gases such as for example nitrogen (Fig. 4).

Viega Megapress also in these cases satisfies the high requirements, facilitates installation in the ceiling area of industrial buildings, and enables convenient T-piece installation for extra fast, safe, and clean connection with devices.

1

Viega Megapress in domestic technology

A BIG ADVANTAGE EVEN ON THE SMALL SCALE.

Thick-walled steel pipes have always played a decisive role in heating installations due to their ruggedness. They can be frequently found in new installation systems but also in old systems and thus in refurbishments. It is an advantage having such a wide-range system as Viega Megapress available.

Simple connection of old and new
It is especially in refurbishments of older residential buildings that you come across steel pipe installations (Fig. 1). Due to their ruggedness, there are in some cases decades-old pipelines that are in a good condition. It happens often that the installer can establish a connection with the existing installation, e.g. when replacing the boiler. Until now it was only possible to connect a new boiler with an existing steel pipe system by time-consuming installation of a threaded adapter or welding. Especially in this case it happens that water running with a delay extends the installation period. In addition, there is an increased risk of fire caused by highly combustible construction materials in the old building part. Megapress makes welding unnecessary and consequently rules out any fire risk. Press technology ensures a safe and fast work sequence as well as economic connection to the existing thick-walled steel pipes.

Fast crossover from the boiler pipe to the threaded pipe
Megapress does not only make the general connection to existing steel pipes an easy task. Easily connecting pipes with different sizes is also possible. The Megapress adapters and reducing sleeves now allow unproblematic connection of steel pipes with the special external diameters of 44.5 and 57.0 mm (Fig. 1).

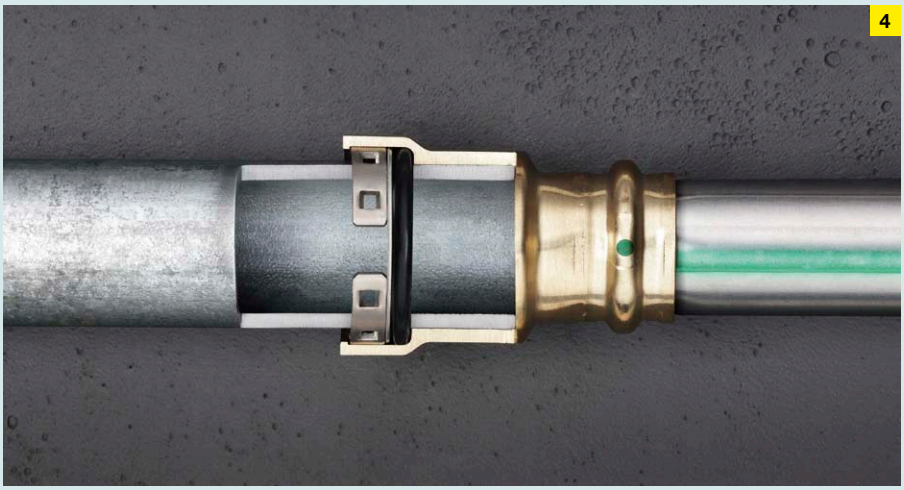
No costs for additional tools
The connectors are – in spite of the special boiler pipe dimensions – installed with the present Megapress press rings. For the trade professionals, this means: No costs for additional tools!

2

3

Great benefits even from ⅜ inch
With the size ⅜ inch Viega offers all that is necessary for the formerly quite extensive replacement of radiators in steel pipe installations – and thus it is a genuine problem solver, for example for the refurbishment of old buildings. Megapress that way not only banned any fire risk and thereby protects the existing building but also prevents that floor and wall coverings are damaged or soiled. This is because when working with the welding torch or the thread cutter, the difficult space conditions make it almost impossible not leaving any traces behind. Megapress can now be used to connect new radiators to existing steel pipes fast, easy and simple (Fig. 2).

Just squeeze repairs in
It's similar when it comes to a repair or subsequent installation of T-pieces for a radiator connection. When doing that by welding, it consumes a lot of time. Overcome even this challenge easily with the Viega Megapress sliding repair sleeve (Fig. 3). The piece concerned is cut out, the sliding repair sleeve installed in between and then pressed-in safely. Repair or extension is ready.


4

Special adapter for drinking water pipelines
The Viega Megapress system is not actually suitable for being used in drinking water systems. Nevertheless, there is one exception that proves the rule. Galvanised steel pipelines can still be found in existing drinking water installations. The Megapress adapter of gunmetal (Fig. 4) allows to continue using copper and stainless steel pipes without any problems and makes the refurbishment of existing buildings an easy task. The adapter is available in the sizes ½ inch x 15 mm to 2 inches x 54 mm.

Viega Megapress press-in branch connector

DIRECT CONNECTION IN JUST TWO MINUTES.

Steel pipes are the synonym for long service lives and ruggedness. What happens however if an additional connection is intended to be installed in an existing installation system? What could formerly be implemented with a lot of effort only is now quickly, efficiently and comfortably possible with the Viega press-in branch connector.

3. Press the press-in branch connector in the pipe with the press machine insert.

The Megapress press-in branch connector is a real problem solver when it comes to adding subsequent connections in an existing steel pipe installation. The suitable complete tool set allows drilling holes in thick-walled steel pipes without elaborate preparatory work and pressing-in the new connection.

A commercially available drill and a Viega press machine (except for Picco) are perfect for using it.

Up to 80 % faster

The press-in branch connector can save up to 80 % of installation time over welding-in of a new connection. The physical strain for the trade professional is reduced and after two minutes only the connection between the pipe and the connection is permanently tight thanks to the profile seal ring.

1. Attach a special drill guide on the steel pipe to guide the drilling shaft.

The tool set for the press-in branch connector includes all parts necessary for subsequent installation of connections in existing pipelines: drill guide, drilling shaft, press machine insert and positioning aid.

2. Drill the hole with the drilling machine and remove drill guide.

4. The ideal steel pipe connection for subsequent installation of thermometers, temperature sensors, manometers, drains or pipe connections.

A clean affair

Installing a new connection in the steel pipe is not only easy but also clean. A workshop vacuum cleaner can be attached to the drill guide and swarf produced by drilling can be extracted directly.

Saves costs and space

The press-in branch connector is a costs and space-saving solution for subsequent installation of a new connection. The pipe is spot-drilled only and not entirely disconnected as e.g. when installing a T-piece. This allows using the press-in branch connector even at locations which are difficult to access.

Fast and safe before, during, and after installation

The press-in branch connector is fast and efficient not only while installing it but also before and after. The positioning aid significantly simplifies proper alignment of the press-in branch connector on the pipe. This ensures a higher level of safety. Thanks to cold press technology even water flowing out with a delay for example in the piping system is no problem for installing the connection. Waiting times and downtimes of the system are reduced to the minimum.

The press-in branch connector is suitable for steel pipes in accordance with DIN EN 10255, DIN EN 10220/10216-1 or DIN EN 10220/10217-1 and available for steel pipe sizes 1 1/2, 2, 2 1/2, 3, 4, 5, and 6 inches. It is provided with an Rp 3/4-inch internal thread. A reducer to an Rp 1/2-inch internal thread is additionally available.

The Megapress press-in branch connector is not suitable for gas installations.

Viega Megapress G

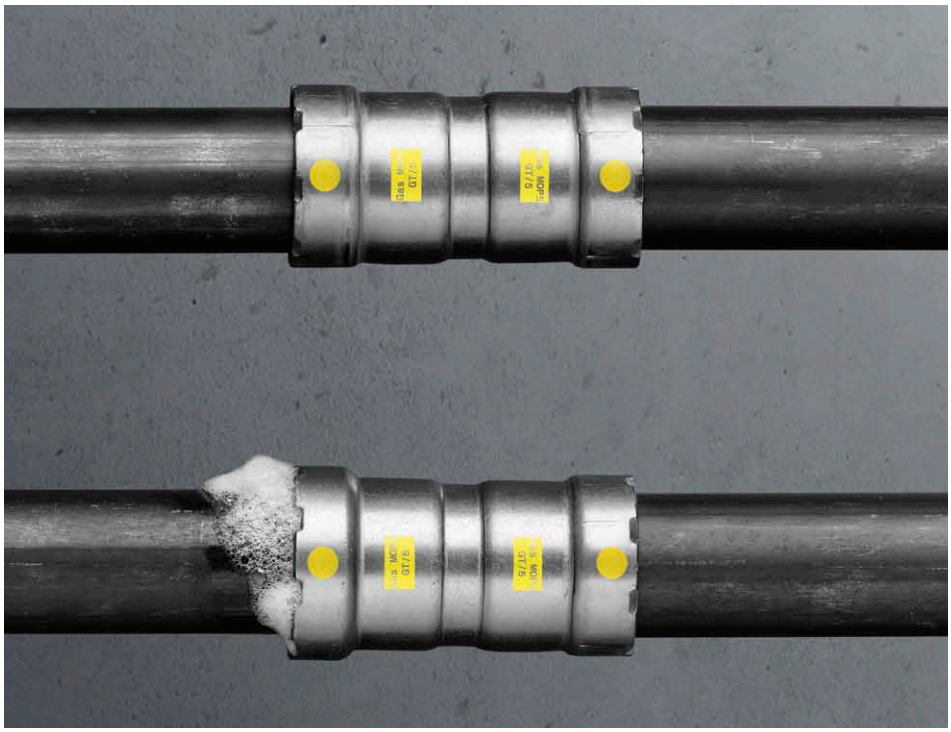
PUTS AN END TO WELDING WORK ALSO IN THE GAS INSTALLATION.

Safety comes first when gas is concerned. Therefore thick-walled steel pipes are ideally suited for industrial gas installations – and can also be cold pressed using Viega Megapress G. They are not only a reliable choice that way but even particularly economic thanks to Viega Megapress G.

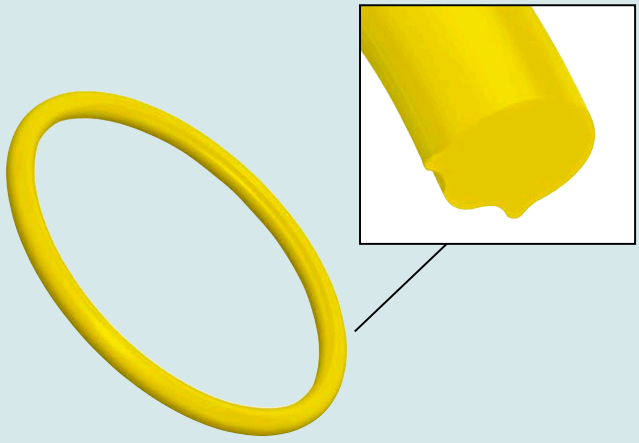
Tried-and-tested quality
Cold press technology now finds its way into gas installations by Viega Megapress G. The connector is almost identical with Viega Megapress: a base unit of formed-pipe steel material 1.0308 with a zinc-nickel coating. A combination that has been tried and tested already in many gas installations in Europe and the USA.

Applications	Certification
Natural and liquid gases according to DVGW Worksheet G 260	DVGW
Fuel oil and diesel fuels	DIBT
Shipbuilding	DNV/GL, LR, RINA
Industry	TÜV

Tried-and-tested safety
No doubt about it – Megapress G also offer the largest possible safety in installation because it also comes with the proven Viega SC-Contur. Any inadvertently unpressed connectors can be immediately detected during the dry leakage test. The Megapress G press connectors fulfil their function not only at a pressure point but over the entire testing range between 22 mbar and 3 bar. That even exceeds the requirements of standards and regulations.



Profile sealing element made of HNBR
The technical specifications of the material are tuned to being used in gas installations as well as fuel oil and diesel fuel systems. The Megapress G sealing element also encloses the pipe on three points at the same time thus ensuring that the connection is absolutely leakproof even with rough surfaces.



Viega Megapress G can be used in a multitude of applications

WITHSTANDS ALL – EVEN THE HIGHEST REQUIREMENTS.

Viega Megapress G covers a broad installation spectrum with a large number of new components such as elbows, sleeves, T-pieces, flanges, threaded adapters and screwed connections in sizes from ½ to 2 inches. The system is approved both for natural and liquid gases according to DVGW Worksheet G 260 and for installation systems according to DVGW-TRGI 2008 and TRF 2012. The system is also suitable for media such as fuel oil, diesel, compressed air, as well as for use in industrial systems. In addition, Viega Megapress G has higher thermal resistance and is approved for up to the maximum operating pressure of 5 bar (MOP 5). Ideal preconditions for reliable gas installations.

Up to 60 % faster
The great advantage of Megapress G: It is no longer necessary to weld thick-walled steel pipes from ½ to 2 inches and all the negative side-effects of welding are done with. This makes Megapress G above all interesting for buildings with high fire loads and fire protection requirements. Work is also made much easier as already available press tools can simply be used to establish a permanently tight pipe connection within a few seconds. To summarise, installing Megapress G is, with regard to the connection method, up to 60 % faster than welding – and up to 100 % safer.

More than just gas
Industrial gas installations are one of the central areas of application for Megapress G. Nevertheless, the system can do even more. Megapress G can also be used for installation of fuel oil and diesel fuel systems as well as compressed air systems with oil-containing media over 25 mg/m^3. Regardless whether pipes of threaded or boiler pipe quality are used for installation or whether the pipe is seamless, welded, galvanised, industrially painted, epoxy-resin coated or black. Megapress G can be used for pressing all pipes according to DIN EN 10255, DIN EN 10220/10216-1 or DIN EN 10220/10217-1 (for details, refer to p. 24).

REASONS FOR VIEGA MEGAPRESS G

- Suitable for natural and liquid gases according to DVGW Worksheet G 260 and for fuel oil and diesel fuel systems.
- Economical thanks to up to 60 % less installation time when compared with welding with regard to the connection method.
- Absolutely fire-safe, because neither flames nor fumes arise with cold press technology.
- No additional time and cost expenditure for fire protection precautions.
- Safety thanks to the Viega SC-Contur.
- Presses thick-walled steel pipes with nominal connection diameters from ½ to 2 inches, irrespective of whether the pipe is seamless, welded, black, galvanised or epoxy resin coated.

Viega Pressguns

TAKES SECONDS TO CONNECT WHAT BELONGS PERMANENTLY JOINED.

Both Viega Pressgun 5 and Viega Pressgun Picco excel with maximum quality and this enables an easy and safe installation, even under the toughest of conditions. The new Pressgun Press Booster provides Pressgun 5 with still more power thus enabling pressing of particularly large dimensions. The press tools with the associated TÜV certifications and extra long service intervals are particularly reliable and economical - thus counting among the most successful ones in the trade.

Commonalities

- Particularly easy handling and ergonomic gun shape.
- Lightweight 18 V/2.0 Ah lithium ion high-performance batteries with deep discharge protection and improved cold-start function; optionally available for higher capacity requirements: 18 V/4.0 Ah.
- Optional use with power pack or battery.
- Utmost flexibility in each space situation thanks to the press head rotatable by 180° and the press rings with articulation.
- Integrated LED lamp for comfortable illumination of the pressing point.
- Safety standards checked by recognised authority (TÜV): Tripping delay, pin retainer, maintenance display and automatic safety lock.

Special features of Pressgun Press Booster

- Innovative force amplifier for Megapress XL with integrated hinged adapter jaw for sizes 2½, 3 and 4 inches.
- Optimally dosed pressing force for maximum safety.
- Weight only 9 kg and a handy carrying strap make for good ergonomics and easy handling.
- Can be used for all Viega press machines from type 2 to Pressgun 5 (not compatible with Pressgun Picco).
- Special spherical heads on the hinged adapter jaw ensure that there can be no confusion with other Viega press rings.
- Long service interval thanks to Viega's typical reliability.

Pressgun 5 press technology accessories in the handy set case, consisting of three press jaws (½ to 1 inch), three press rings (1¼ to 2 inches) and a hinged adapter jaw Z2.

Pressgun Press Booster and 2½ inch press ring in the handy case and a case with press rings 3 and 4 inches.

Special features of Viega Pressgun 5

- For metal piping systems of sizes 12 to 108 mm, for Megapress steel pipe connectors of ⅜ to 4 inches, for plastic piping systems from 12 to 63 mm.
- Only 3.2 kg weight (without press jaw).
- Long maintenance intervals: after 40,000 pressings or 4 years.
- Automatic safety lock after 42,000 pressings.

Special features of Viega Pressgun Picco

- For metal piping systems of sizes 12 to 35 mm, for Megapress steel pipe connectors of ⅜, ½ and ¾ inches, for plastic piping systems from 12 to 40 mm.
- Only 2.5 kg weight (without press jaw).
- Extremely small dimensions for mounting in confined pipe shafts and pre-wall installations.
- Service only after 30,000 pressings or 4 years safety lock after 32,000 pressings.

Viega Megapress G/Megapress

PIPE OVERVIEW

Viega Megapress G: Steel pipes of boiler pipe quality (pipe series 1) and of threaded pipe quality according to the following two tables can be used with Megapress G.

Megapress G – boiler pipe quality – pipe series 1

Thread size [Inch]	Nominal width DN	Nominal external diameter [mm]	External diameter incl. coating [mm]	Pipe wall thickness DIN EN 10220/10216-1 seamless steel pipes [mm]	Pipe wall thickness DIN EN 10220/10217-1 longitudinal seam steel pipes [mm]
½	15	21.3	20.8–21.8	2.0–3.2	2.0–3.2
¾	20	26.9	26.4–27.4	2.3–3.2	2.0–3.2
1	25	33.7	33.2–34.2	2.6–4.0	2.0–4.0
1¼	32	42.4	41.9–42.9	2.6–4.0	2.3–4.0
1½	40	48.3	47.8–48.8	2.6–4.0	2.3–4.0
2	50	60.3	59.7–60.9	2.9–4.5	2.3–4.5

Megapress G – threaded pipe quality

Thread size [Inch]	Nominal width DN	Nominal external diameter [mm]	External diameter incl. coating [mm]	Pipe wall thickness heavy series H in accordance with DIN EN 10255 [mm]	Pipe wall thickness medium series M in accordance with DIN EN 10255 [mm]
½	15	21.3	21.0–21.8	3.2	2.6
¾	20	26.9	26.5–27.3	3.2	2.6
1	25	33.7	33.3–34.2	4.0	3.2
1¼	32	42.4	42.0–42.9	4.0	3.2
1½	40	48.3	47.9–48.8	4.0	3.2
2	50	60.3	59.7–60.8	4.5	3.6

Viega Megapress: The following steel pipes of boiler pipe quality and threaded pipe quality are suitable for Megapress connectors and press-in branch connectors (EPA). The different pipes include seamless (S) and longitudinal seam (W) pipes.

Megapress – DIN EN 10220/10216-1 and DIN EN 10220/10217-1 – boiler pipe quality – pipe series 1, 2 and 3

Thread size [Inch]	Nominal width DN	Nominal external diameter [mm]	External diameter incl. coating [mm]	Pipe wall thickness DIN EN 10220/10216-1 seamless steel pipes [mm]	Pipe wall thickness DIN EN 10220/10217-1 longitudinal seam steel pipes [mm]	Press-in branch connector Rp ¾ Art. no.
⅜	10	17.2	16.7–17.7	1.8–4.5	1.4–4.0	–
½	15	21.3	20.8–21.8	2.0–5.0	1.4–4.5	–
¾	20	26.9	26.4–27.4	2.0–8.0	1.4–5.0	–
1	25	33.7	33.2–34.2	2.3–8.8	1.4–8.0	–
1¼	32	42.4	41.9–42.9	2.6–10.0	1.4–8.8	–
–	32	44.5	44.0–45.0	2.6–12.5	1.4–8.8	–
1½	40	48.3	47.8–48.8	2.6–12.5 (2.3–4.0 EPA)	1.4–8.8 (2.3–4.0 EPA)	731168
–	50	57.0	56.4–57.6	2.9–14.2	1.4–10.0	–
2	50	60.3	59.7–60.9	2.9–16.0 (2.3–4.5 EPA)	1.4–10.0 (2.3–4.5 EPA)	731175
2½	65	76.1	75.3–76.9	2.9–20.0 (2.6–4.5 EPA)	1.4–10.0 (2.6–4.5 EPA)	731182
3	80	88.9	88.0–89.8	3.2–25.0 (2.6–5.0 EPA)	1.4–10.0 (2.6–5.0 EPA)	731199
4	100	114.3	113.2–115.4	3.6–32.0 (2.6–5.4 EPA)	1.4–11.0 (2.6–5.4 EPA)	731205
5	125	139.7	138.3–141.1	2.9–5.4	2.9–5.4	731212
6	150	168.3	166.6–170.0	2.9–5.4	2.9–5.4	731229

Megapress – DIN EN 10255 – threaded pipe quality – heavy series H and medium series M

Thread size	Nominal width	Nominal external diameter	External diameter incl. coating	Pipe wall thickness for heavy series H	Pipe wall thickness for medium series M	Press-in connection Rp ¾
[Inch]	DN	[mm]	[mm]	[mm]	[mm]	Art. no.
⅜	10	17.2	16.7–17.5	2.9	2.3	–
½	15	21.3	21.0–21.8	3.2	2.6	–
¾	20	26.9	26.5–27.3	3.2	2.6	–
1	25	33.7	33.3–34.2	4.0	3.2	–
1¼	32	42.4	42.0–42.9	4.0	3.2	–
1½	40	48.3	47.9–48.8	4.0	3.2	731168
2	50	60.3	59.7–60.8	4.5	3.6	731175
2½	65	76.1	75.3–76.6	4.5	3.6	731182
3	80	88.9	88.0–89.5	5.0	4.0	731199
4	100	114.3	113.1–115.0	5.4	4.5	731205
5	125	139.7	138.5–140.8	5.4	5.0	731212
6	150	165.1	163.9–166.8	5.4	5.0	731229

Megapress – DIN EN 10255 – threaded pipe quality – pipe type L and pipe type L1

Thread size	Nominal width	Nominal external diameter	External diameter incl. coating pipe type L	Pipe wall thickness pipe type L	External diameter pipe type L1	Pipe wall thickness pipe type L1	Press-in connection Rp ¾
[inch]	DN	[mm]	[mm]	[mm]			art. no.
⅜	10	17.2	16.7–17.4	2.0	16.7–17.4	2.0	–
½	15	21.3	21.0–21.7	2.3	21.0–21.7	2.3	–
¾	20	26.9	26.4–27.1	2.3	26.4–27.1	2.3	–
1	25	33.7	33.2–34.0	2.9	33.2–34.0	2.9	–
1¼	32	42.4	41.9–42.7	2.9	41.9–42.7	2.9	–
1½	40	48.3	47.8–48.6	2.9	47.8–48.6	2.9	731168
2	50	60.3	59.6–60.7	3.2	59.6–60.7	3.2	731175
2½	65	76.1	75.2–76.0	3.2	75.2–76.3	3.2	731182
3	80	88.9	87.9–88.7	3.2	87.9–89.4	3.6	731199
4	100	114.3	113.0–113.9	3.6	113.0–114.9	4.0	731205
5	125	139.7	138.5–140.8	4.5	–	–	731212
6	150	165.1	163.9–166.8	4.5	–	–	731229

Megapress – DIN EN 10255 – threaded pipe quality– pipe type L2

Thread size	Nominal width	Nominal external diameter	External diameter incl. coating	Pipe wall thickness	Press-in connection Rp ¾
[inch]	DN	[mm]	[mm]	[mm]	Art. no.
⅜	10	17.2	16.7–17.1	1.8	–
½	15	21.3	21.0–21.4	2.0	–
¾	20	26.9	26.4–26.9	2.3	–
1	25	33.7	33.2–33.8	2.6	–
1¼	32	42.4	41.9–42.5	2.6	–
1½	40	48.3	47.8–48.4	2.9	731168
2	50	60.3	59.6–60.2	2.9	731175
2½	65	76.1	75.2–76.0	3.2	731182
3	80	88.9	87.9–88.7	3.2	731199
4	100	114.3	113.0–113.9	3.6	731205

Key

Pipes for Megapress connectors

Pipes for Megapress connectors and Megapress press-in branch connectors

Pipes for Megapress press-in branch connectors

Viega Megapress

THE PRODUCT RANGE.

The product lines Viega Megapress and Megapress G are ideally tuned to the installation of thick-walled steel pipes. They offer a broad selection and high flexibility in installation with a large number of different connectors, such as e.g. sleeves, elbows, threaded adapters, reducers, T-pieces, and flanges. The Viega Megapress product line is available in the sizes ⅜, ½, ¾, 1, 1¼, 1½, 2, 2½, 3, and 4 inches and is rounded off by adapters and reducing sleeves for steel pipes with external diameters 44.5 and 57.0 mm. Viega Megapress G is available in sizes ½, ¾, 1, 1¼, 1½, and 2 inches.

- 4216
- 4616

- 4216.1
- 4616.1

- 4226
- 4626

- 4226.1
- 4626.1

- 4218
- 4618

- 4215.1
- 4615.1

- 4215.2

- 4217.2
- 4617.2

- 4215
- 4615

- 4215.4

- 4215.5
- 4615.5

- 4215.7

- 4212
- 4612

- 4211
- 4611

- 4211.3

- 4213

- 4213.1

- 4265

- 4263
- 4661

- 4259
  4259.1
- 4659.5

● 4256
● 4656

● 4212.2

● 3241.1

○ 4211XL

○ 4212XL

○ 4216XL

○ 4216.1XL

○ 4226XL

○ 4226.1XL

○ 4215XL

○ 4215.5XL

○ 4259XL
4259.1XL

○ 4256XL

○ 4218XL

○ 4217.2XL

○ 4215.1XL

● 4213.2

INT 753 702-3/17-117525
We reserve the right to effect changes.

Viega Holding GmbH & Co. KG
Viega Platz 1
57439 Attendorn
Germany

Phone +49 (0) 2722 61-1572

viega.com