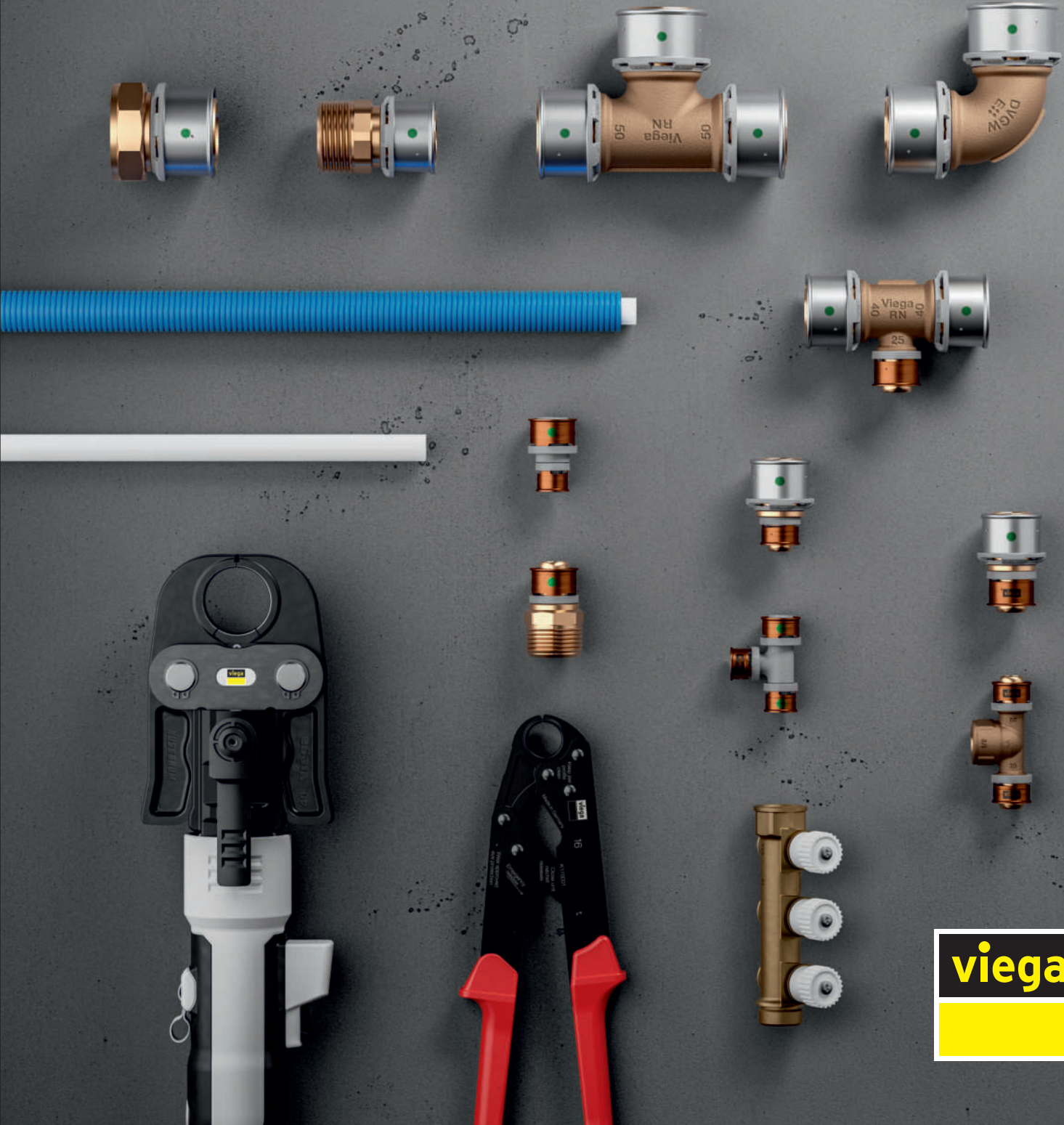


Viega India Polymer Piping Solutions

Reliable, fast & easy to install.



Franz-Anselm Viegener founded this family-owned company in 1899, thereby laying the foundation stone for the success story behind today's Viega.



Viega.

CONNECTED IN QUALITY.

Viega is convinced: Quality is everything. Without quality, everything means nothing. This is the reason why Viega strives to exceed itself every day since its founding more than 120 years ago. In India we have been present for close to ten years.

We feel proud and privileged that our products have made their mark and have been installed at several famous sites all over the world. The Statue of Liberty, The Pentagon and The Indian Antarctic Research Center Bharati in perpetual ice are few of the many prestigious projects where Viega products have been chosen due to their safety, reliability and durability.

Our products are the result of world renowned German engineering skills and standards. They come with an assurance of unfailing professional services at all times.

Quality is everything. Without quality, everything means nothing.

Our Heritage

- 1899 Viega's legacy begins: Viega founder Franz-Anselm Viegener designs brass beer taps.
- 1901 Viega starts the manufacturing of plumbing fittings.
- 1950 Viega expands to other countries in this decade.
- 1963 Solder-fittings made of copper and sanitary products increase the Viega product range.
- 1983 Viega PE-piping systems and gunmetal connectors for flexible installation and clean drinking water.
- 1989 Revolutionizing the industry: introduction of the Profipress presssystem.
- 1993 Viega pre-wall-technology: another major step ahead for plumbers and planners.
- 2011 The Viega Group offers 23 million square feet of production and logistics facilities worldwide.
- 2015 Viega establishes its business in India.
- 2018 Viega opens its own plant in India.
- 2021 Today, Viega is still a German family-owned company, but now a world market leader with over 4,700 employees.



Viega Polymer Piping Systems

A SOLUTION FOR EVERY CHALLENGE.

From retail and commercial to smaller bathrooms and industrial and employee sanitation projects, when different piping challenges arise in water applications, a practical, watertight solution is needed. The Viega Polymer Piping Solutions is a system that offers an economical and safe solution from a single source. Viega Polymer Piping systems consisting of Viega Speedpress, and Viega Pexfit Pro, is ideal for fast and flexible floor distribution, so even large residential units can be installed quickly and safely, from distribution to floor outlets. In combination, we therefore offer you a complete answer to every challenge.



The India System Solution

The supply of potable water to large buildings poses challenges for many systems. The potable water installations within a building unit require both flexible and space-saving products. The distribution and riser pipes require stability and yet often flexibility if the structural conditions do not guarantee direct installation. Viega polymer multilayer pipes consist of a PE-RT Type II inliner and a layer of aluminium and PE-RT Type II outer layer. Viega provides a concept that meets both challenges: Viega Speedpress and Viega Pexfit Pro. Designed and engineered in Germany, invented just for India — the Viega Polymer Piping Solution.

Viega Speedpress

Viega Speedpress allows safe and quick installation of the most commonly used pipe diameters of 16-25mm on a floor. Part of the extensive range of Viega Speedpress is the adapters which enable an easy transition to riser pipes. The secure connection between the press connector and the pipe is simply closed with the Viega hand press tool. Quick, easy and space-saving.

Viega Pexfit Pro

Viega Pexfit Pro in the dimensions from 32 to 63 mm offers the perfect solution for potable water riser pipes. Viega Pexfit Pro is applied using the Viega Pressgun, and in conjunction with numerous accessories, connections in hard-to-reach places can also be installed easily and safely.



Viega speedpress SAFE AND EASY INSTALLATION.

The installation of potable water systems should be as easy as possible. Viega has set the task to find a safe and simple solution to minimize complications from the transport of materials to challenging workflows.



Our polymer piping system

Viega Speedpress provides a flexible system of polymer piping. Thanks to the Viega Hand Press tool, connections can now be carried out without a power connection or adhesive.

The mono- and multilayer polymer pipes are both flexible and fully suitable for hot and cold water plumbing applications. Pipe coils enable easy transport and storage. In addition, they allow cutting the pipe with almost no leftover pipe at the end for the pipes can be cut from the coils precisely at the required length.

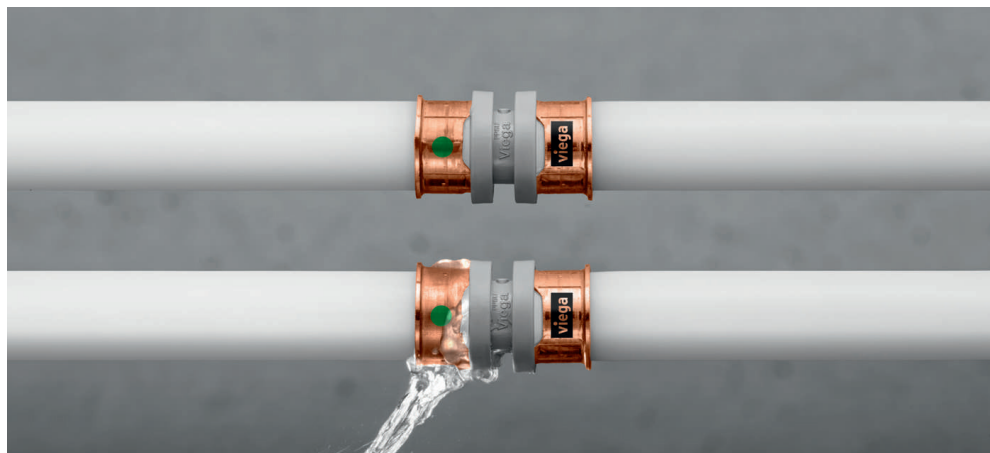
Connectors

The PPSCJ and brass connectors are available in dimensions from 16 to 25 mm. Larger dimensions from 82 to 68 mm are covered by Viega Pexfit Pro.

The Viega Speedpress connectors have an extended window offering better control and safety during pressing. Furthermore, the connectors are completely prefabricated so that there are no loose parts which may get lost on the building site.

Safe pressing thanks to the SC-Contur

All Viega press connectors feature SC-Contur. It ensures that inadvertently unpressed connections are noticed immediately during a leakage test by visible water leaking. The unpressed connections can then be pressed immediately to avoid later water damage and reworking.



Leaks when unpressed: The Viega SC-Contur makes unpressed connectors easily visible.

Connects in a few seconds

CUT, INSERT, PRESS – THREE EASY STEPS.

Fast, convenient and reliable: With the new Viega Speedpress, connections are made in three easy steps.

The new Viega Speedpress makes potable water installations simple and handy. And this is how it works:



Step 1: Cut

The pipe is cut to the required length. Since pipes are delivered in coil form, unnecessary wastage could be avoided during cutting.



Step 2: Insert

Next, the pipe is simply inserted into the connector, until the pipe is visible in the large inspection window.



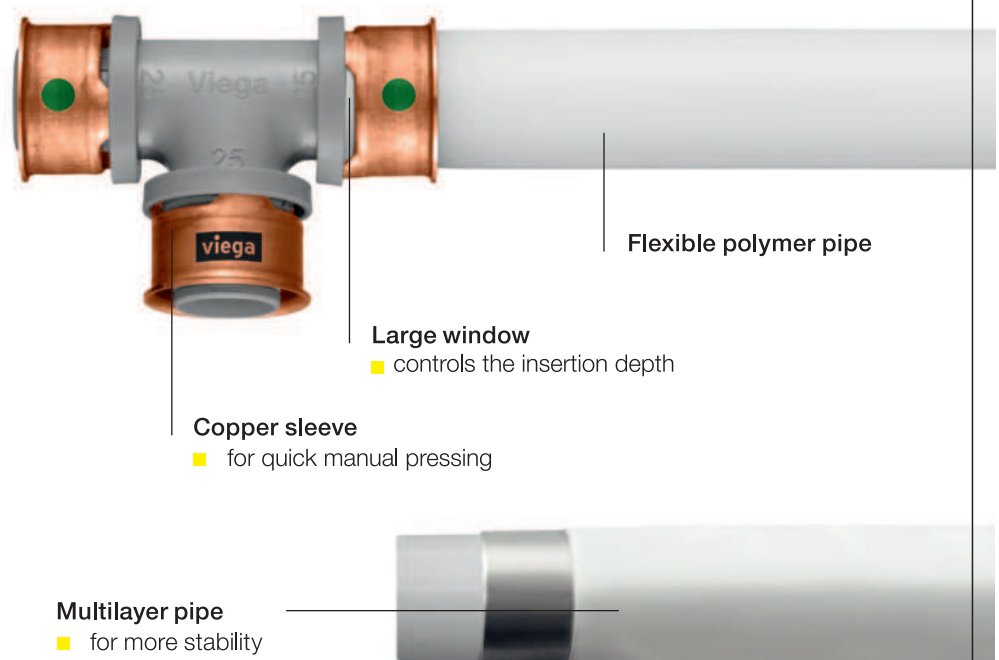
Step 3: Press

Last, the connection is pressed with the Viega hand press tool, which hardly takes few seconds. The SC-Contur ensures additional safety.



ALL ADVANTAGES AT A GLANCE

- Fast and flexible installation
- Safety of SC-Contur
- No electric power required
- Connects in three easy steps
- Easy to carry as comes in coil form
- Hardly any wastage
- One pipe for hot and cold water



Viega Speedpress

SAFE SOLUTIONS FROM THE DISTRIBUTION TO THE LAST TAPPING POINT.

The Viega Speedpress Manifold organises several object shut-offs with only one distributor connection. The manifold allows easy and clean installation of the piping to the tapping point and individual regulation of each branch.

Viega potable water competence

When it comes to potable water only high quality systems offer maximum safety. The complete product range of Viega contains the perfect economic solution. Suitable for hot and cold water installations, they are hygienic and fulfill all regulatory requirements.

Manifolds allow easy access

Viega manifolds offer an innovative solution with flexible piping. The manifolds are equipped with individual shut-off valves. This allows for easy access without disturbing other units when maintenance is required. Having one connection to the manifold and

one to the tap furthermore creates two constantly accessible connection points in front of the wall, for easy maintenance.

Concealed connection socket

The concealed connection socket is a Viega solution especially designed for pipe-in-pipe installations allowing easy and uncomplicated installation of the pipelines.



The Viega Manifold with individual shut-off valves, model 4733.1



Viega Speedpress Connection Socket 90°, model K5830



ADVANTAGES AT A GLANCE

- Flexible pipe reduces the number of required connections
- All connectors come with SC-Contur
- Manifolds with individual shut-off valves for easy maintenance
- Complete solution from piping to pre-wall is available from Viega



Viega Speedpress Hand Press tools

THE RELIABLE TOOL FOR A TRUSTED AND LONG-LASTING POTABLE WATER INSTALLATION.

The new lightweight hand press tools have been specially developed for Viega Speedpress and are easy to handle throughout the working day. Each dimension has its own tool (16/20/25mm), which can be easily distinguished by the colour of the handle. Viega Speedpress requires low pressing force hence less efforts are required for manual pressing resulting in faster and efficient work. The tool is designed in such a way that it can only be opened again after a complete pressing – an important safety advantage of Viega Speedpress. During pressing, a marking is embossed into the copper sleeve of the Viega Speedpress connector. So an unpressed connection can be easily identified during a visual inspection.



BENEFITS

- Handy lightweight tool
- Forced pressing for safety
- Pressing mark on the sleeve
- Colour code for identification of the dimension:
 - 16 mm = red
 - 20 mm = green
 - 25 mm = black



Viega Speedpress fittings must NOT be pressed with the press gun, only with the manual pressing tool.

Viega Speedpress

TECHNICAL INFORMATION.

Press connector system with mono-layer or multi-layer pipes for potable water. KIVA certified and tested in acc. with DIN EN ISO 22391 and DIN EN ISO 21003.

Press connectors

Safe and fast processing press technology in all dimensions.

SC-Contur

All sizes with SC-Contur – inadvertently unpressed connections are noticed during leakage test.

During leakage tests with water Viega guarantees the identification of unpressed connections in the pressure range of 0.1 MPa–0.65 MPa, in the case of a dry leakage test with gases from 22 hPa–0.3 MPa.

Marking

Green dot on the press connection.

Pipes

Flexible mono-layer pipes d 16–25 and form-stable multi-layer pipes d 16–25 for a quick and easy installation.

Dimensions/Material

- d 16–25
Press connectors with threaded connection made of brass
- d 16–25
Elbows, T-pieces and coupling made of PPSU

Areas of application

Potable water.

The use of the systems for other areas of use and media than those described must be approved by the Viega Service Center.

Operating conditions

Potable water installations.

- Operating temperature max. 70 °C
- Operating pressure max. 1.0 MPa

Independent of flow direction, mixed installations are permitted.



NOTE

- The press connector system Speedpress is suitable for the creation of potable water installations according to DIN 1988-200 and EN 806-2 in consideration of the selection of material in accordance with DIN EN 12502-1 and DIN 50930-6. When used for other areas of use and when in doubt about the right selection of material, please contact Viega. The system components should be protected against high concentrations of chloride generated by both the medium and by external factors. Only use original Viega parts – installation of non-Viega parts is not permitted.

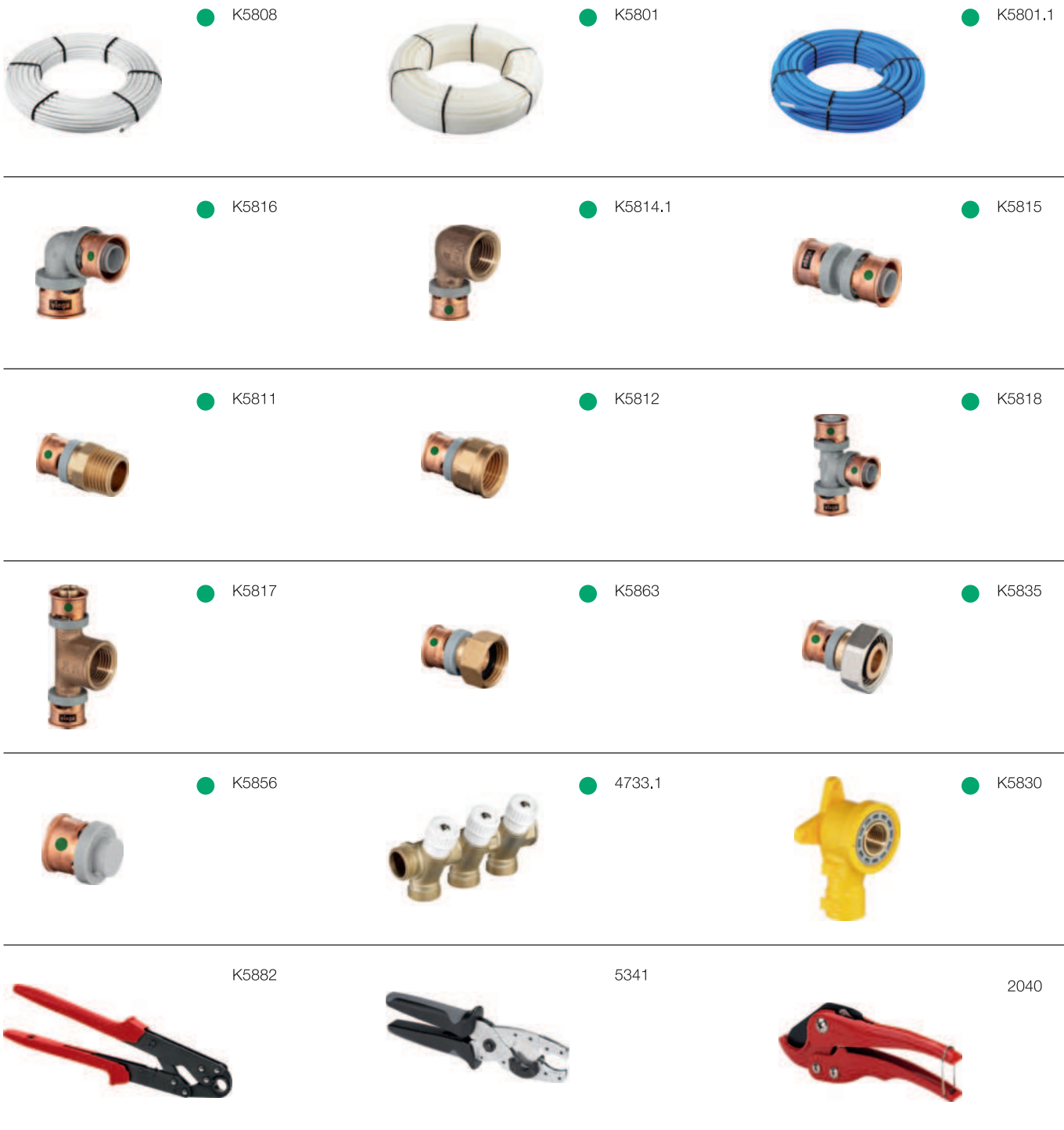
Technical data

More extensive information and technical data can be obtained from the download area of the Viega India website.

Viega Speedpress

OUR PRODUCT OVERVIEW FOR SMALLER DIAMETERS.

The following overview of the Viega Speedpress product range for SMALLER diameters specifically illustrates the range of possible uses. The specified number is the model number and describes the shape of the connector or component. More detailed information is available from the model number index in the product catalogue.



Viega Pexfit Pro

ENGINEERED FOR MINIMAL PRESSURE LOSS.

Viega Pexfit Pro is the next major step in potable water installation. The Viega Pexfit Pro connector combines know-how gathered over many years, tried-and-tested technology and high quality, corrosion resistant and durable materials in a single connector. The result is an innovative piping system, which enables safe potable water and heating installations to be made through a combination of fast processing with minimum pressure losses.



Safe and Reliable Installation

In the dimensions 32 to 63 mm, Viega relies on the tried-and-tested EPDM sealing element, which has already been used millions of times in potable water installations and has proven its worth there.



Time-consuming calibration no longer required: simply cut, insert, press and it's done.

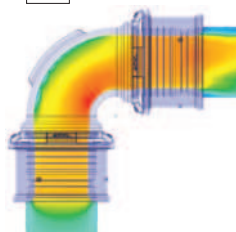
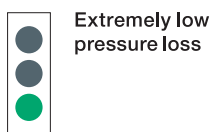
Viega Pexfit-Pro relies on the proven EPDM sealing element. Additionally, the Viega Pexfit Pro connectors also come with the SC-Contur, which immediately and reliably highlights any positions that have inadvertently remained unpressed.

Optimum flow properties

All Viega Pexfit-Pro connectors have an uninterrupted optimum flow rate. Large reductions of cross-sectional areas caused by support bodies with integrated additional sealing elements and sharp separation edges in the internal geometry are now no longer with us. This enables installation to be optimised during the planning procedure, while also saving hard cash through lower material requirement, beCaI-ISE Of the smaller dimensions involved. Leaner dimensioning can also help to guarantee shorter output times and greater reserves to cope with consumption peaks.

i **ADVANTAGES AT A GLANCE**

- Safe & quick installation
- All connectors come with SC-Contur
- Up to 30% faster than other polymer pipes.
- Time-saving with just 3 connection steps
- 1 pipe for hot & cold water
- High-quality components & durable materials

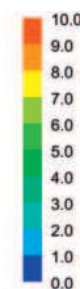


Viega Pexfit Pro connector
 Zeta = 2.1
 Flow rate = 2 m/s
 Pressure loss = 42.1 mbar

Tried-and-tested Viega quality: All connectors have been optimised for perfect flow rate properties.

Maximum safety: The SC-Contur feature reliably highlights any unpressed connections.

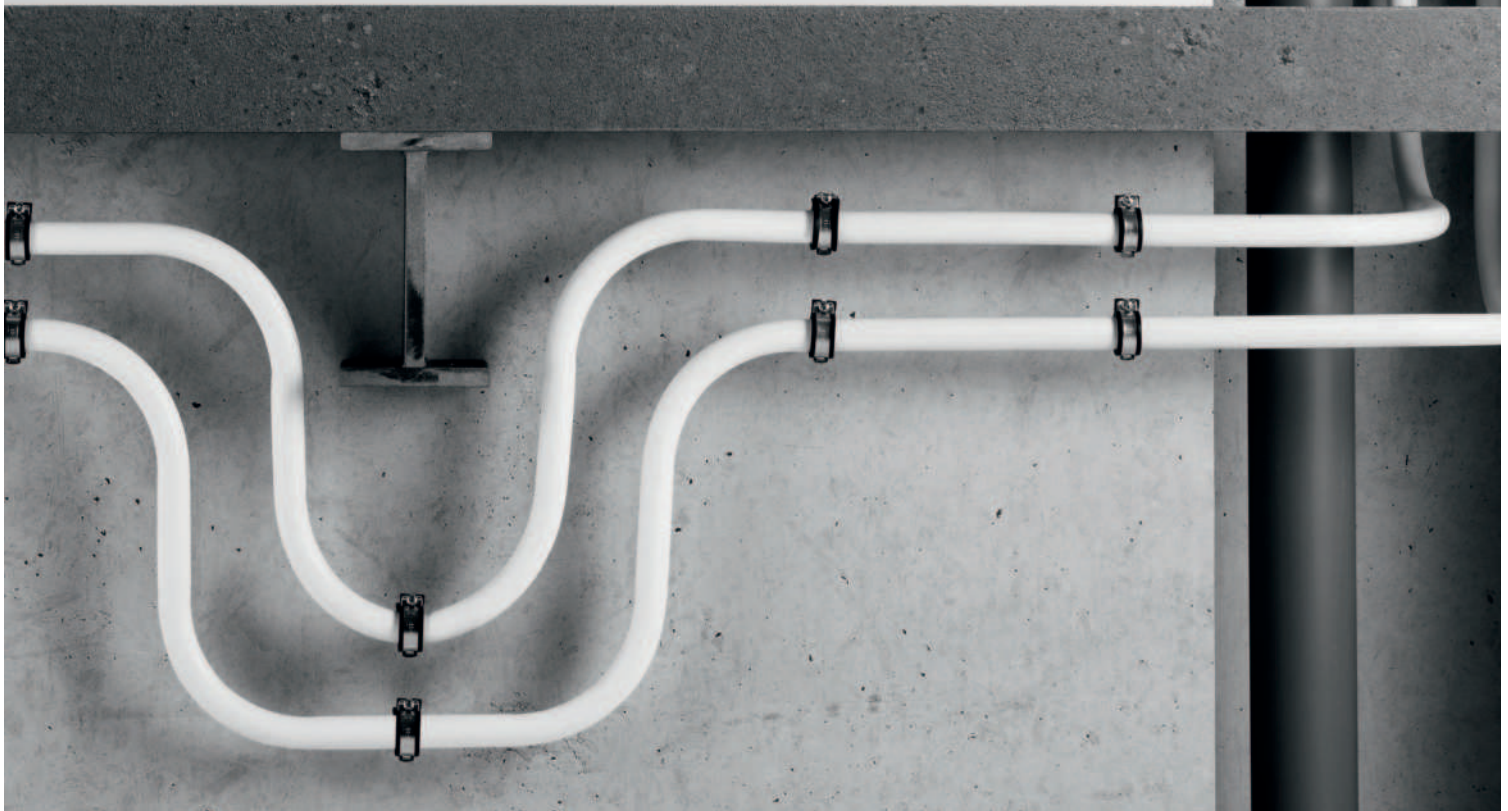
Flow rate = [m/s]



Standard brass
 Zeta = 17
 Flow rate = 2 m/s
 Pressure loss = 340 mbar

Viega Pexfit Pro RETAINS ITS SHAPE AND RESISTS BUCKLING.

The polymer piping of Viega Pexfit Pro excels with maximum stability while – at the same time – offering lots of flexibility. Viega Pexfit Pro pipes are available in dimensions from 32 to 63 mm. To guarantee premium quality, all the system components and all the polymer pipes are made by Viega and, naturally, they all fulfil all normative specifications, while also having the necessary certifications.



Maximum stability

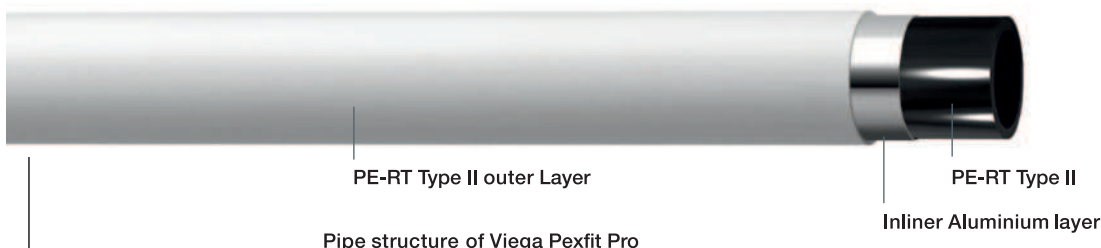
Viega Pexfit Pro multilayer pipes are made of a PE-RT Type II inliner, a layer of aluminium and a PE-RT Type II outer layer. With its perfectly matched material layers made of high-strength polymer and assorted aluminium alloys, it provides outstanding processing coupled with low self-aligning characteristics, minimum bending radii and enormous buckling resistance.

100% oxygen seal

The butt-welded aluminium layer serves as a diffusion barrier which in turn helps to prevent oxygen penetrating through the pipe wall and into the medium. This means that all Viega Pexfit Pro multilayer pipes are ideally suited for use in heating installations.

Special flexibility

Because of the excellent flexural properties involved, the Viega pipes can be used flexibly while also providing an advantage, when things get tight, for example, in installation shafts or for pre-wall installations.



Viega Pressguns TAKES SECONDS TO CONNECT PERMANENTLY.



Important: Viega Pressguns are only for Viega Pexfit Pro, and Viega hand press tools are only for Viega Speedpress!

The Viega Pressgun 6 range excels on account of its top quality and enable convenient and easy installation under the toughest of conditions. With their German Technical Inspection Agency (TÜV) certifications and long service intervals, Viega Pressguns are one of the most reliable, efficient and therefore most successful press tools available.



Viega Pressgun 6

- For plastic pipe systems from 32 to 63 mm, for metal press-fit connection systems dimensions 12 to 108 mm, for Megapress steel pipe connectors 3/8 to 2 inches
- Pressing force 32 kN, pressing time approx. 5.5 sec., weight approx. 3.6 kg
- Press jaw holder can be rotated by 270°
- Service interval 30,000 pressings/4 years, automatic safety shut-off after 32,000 pressings

Viega Speedpress fittings must NOT be pressed with the Pressgun, only with the hand press tool.

Viega Pexfit Pro

TECHNICAL INFORMATION.

Flow-optimised press connector system with press connectors made of gunmetal and multi-layer pipes. Multi-layer pipe, dimensionally stable, oxygen seal, colour: white. Press connector with support body to ensure the leak tightness and mechanical strength of the connection. Safe and fast connection without widening or calibration of the pipe ends. For protection pipe ends are equipped with plugs. Suitable for concealed and pre-wall installations of riser pipes and floor installations.

Multi-layer pipe

Exterior colour white suitable for potable water and heating installations.

SC-Contur

Press connector with SC-Contur inadvertently unpressed connections become visibly leaky when the system is filled.

Viega guarantees the detection of unpressed connections in the following pressure ranges:

min. water pressure: 0.1 MPa/1 bar/14.5 PSI

max. water pressure: 0.65 MPa/6.5 bar/94.3 PSI

Marking

Manufacturer, pipe dimension, batch, green dot on press end, system approvals.

Dimension

d 32–63

Tools

The functional safety of Viega press connector systems depends primarily on the faultless condition of the press tools used. Viega requires the use of Viega pressing tools to produce a secure press connection. Viega press tools have to be maintained by authorised service partners regularly maintained by authorised service partners.

Areas of application

- potable water
- heating systems

Operating conditions potable water installations

- operating temperature max. 70 °C/158 °F
- operating pressure max. 1.0 MPa/10 bar/145 PSI

Operating conditions heating installations

- operating temperature max. 80 °C/176 °F
- operating pressure max. 1.0 MPa/10 bar/145 PSI

Material press connector

Gunmetal: CC 499K



NOTE

- The press connector system Viega Pexfit-Pro is suitable for the creation of potable water installations according to DIN 1988-200 and EN 806-2 in consideration of the selection of material in accordance with DIN EN 12502-1 and according to the evaluation basis for metallic materials in contact with potable water of the Umweltbundesamt (UBA) (Federal Environment Agency). When used for other areas of use and when in doubt about the right selection of material, please contact Viega. Detailed information about applications, restrictions and national standards and directives can be found in the product information, either printed or on the Viega website.

Pressure gradient calculator

Web application for quick and simple calculation of pipeline dimensions for potable water, heating and gas pipes with associated pressure loss tables across the entire system. For detailed planning work, please use the Viega Viptool software solutions on the Viega website.

Subject to changes without prior notice!

Latest Z- and installation dimensions as well as further technical information can be found on the Viega website and have to be checked before purchase, planning, construction work and use. Our products are continuously optimized.

Viega Pexfit Pro

OUR PRODUCT OVERVIEW FOR BIGGER DIAMETERS.

The following overview of the Viega Pexfit Pro product range for BIGGER diameters specifically illustrates the wide range of possible uses. The specified number is the model number and describes the shape of the connector or component. More detailed information is available from the model number index in the product catalogue.



● 4703



● 4705



● K4715.8



● K4718.8



● 2713



● 2711



● 2763



● 2715



● 4715



● 2714



● 2726



● 2716



● 2717



● 2718



● 2763

APPENDIX.

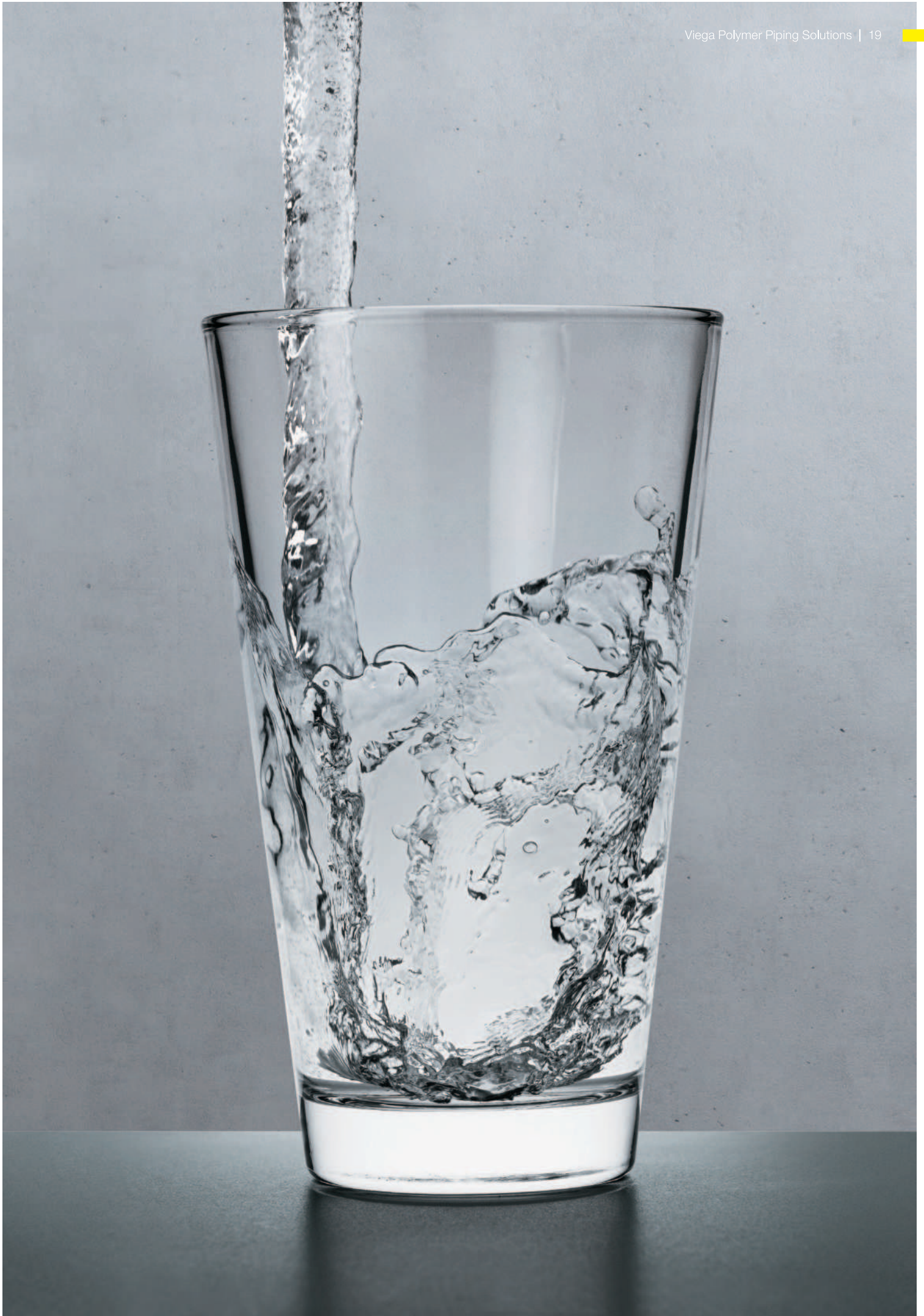
Dimensions Thickness				Dimensions		
Pipe	Pipe colour in-/outside	Dimension	Aluminium thickness	Outside \varnothing	Inside \varnothing	Wall thickness
Viega Speedpress PE-RT Type II	white	16 x 2.0	n.a.	16	12	2
		20 x 2.3	n.a.	20	15.4	2.3
		25 x 2.8	n.a.	25	19.4	2.8
Viega Speedpress PE-RT Type II /AL/ PE-RT Type II	white/white	16 x 2.0	0.2	16	12	2
		20 x 2.3	0.2	20	15.4	2.3
		25 x 2.8	0.3	25	19.4	2.8
Viega Pexfit Pro PE-RT Type II /AL/ PE-RT Type II	black/white	32 x 3.2	0.3	32	25.6	3.2
		40 x 3.5	0.6	40	33	3.5
		50 x 4.0	0.6	50	42	4
		63 x 4.5	0.8	63	54	4.5

General Properties

Viega Speedpress and Pexfit Pro tested according to		Max. Pressure		Safety Factor	Lifetime 70 °C
DIN EN ISO 21003 part 1–5	Multilayer piping systems for hot and cold water installations inside building	1	mpa	1.5	50 years

Physical Properties

Bending	Hygiene	Reaction to fire	Permeability	Coefficient of thermal expansion mm/mK																
<p>Viega multilayer pipes up to the dimension 32mm can be bent by hand with a bending radius of 5 x d. For all dimension the following radii can only be achieved by using a bending tool:</p> <table border="1"> <thead> <tr> <th>d</th> <th>Bending radius x d</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>2.0</td> </tr> <tr> <td>20</td> <td>2.3</td> </tr> <tr> <td>25</td> <td>3.0</td> </tr> <tr> <td>32</td> <td>3.5</td> </tr> <tr> <td>40</td> <td>4.0</td> </tr> <tr> <td>50</td> <td>4.5</td> </tr> <tr> <td>63</td> <td>4.5</td> </tr> </tbody> </table>	d	Bending radius x d	16	2.0	20	2.3	25	3.0	32	3.5	40	4.0	50	4.5	63	4.5	<p>Viega Speedpress and Pexfit Pro comply with all applicable national regulations on the quality of water intended for human consumption in order to avoid potential adverse effects</p>	<p>Viega Speedpress and Pexfit Pro comply with class E according to EN 13501-1</p>	<p>The aluminium core of Viega pipes guarantees static resistance, light and oxygen tightness</p>	0,03
d	Bending radius x d																			
16	2.0																			
20	2.3																			
25	3.0																			
32	3.5																			
40	4.0																			
50	4.5																			
63	4.5																			



**> Viega India Innovative Technologies
Private Limited**

E-565, GIDC Phase 2,
Village Rasoolpura,
Sanand – 382110.
Ahmedabad, Gujarat,
India

Branch Office:

**Viega India Innovative Technologies
Private Limited**

4th Floor,
Ocus Technopolis,
Sector 54, Golf Course Road,
Gurgaon-122002. India.

Phone +91 (0) 124 4359300-99
Fax +91 (0) 124 42637-66

innovations@viega.in
viega.in

