

Press release

Viega at the ISH 2025: Hall 4.0, Stand B02/B20

Viega press connector systems support the energy transition.

Economical and reliable connection systems for heat pumps including house entry

Frankfurt/Attendorn, 17 March 2025 - For a successful transition from fossil fuels to sustainable heating, it is essential to use a wide range of renewable energy sources. This will make us independent of changing weather conditions such as the "dunkelflaute" and create security of supply. As one of the world's leading manufacturers of installation technology, Viega has developed a wide range of intelligent system solutions – both for the connection of decentralised heat sources, such as heat pumps or solar thermal systems, and for the connection to heating networks.

The advantage for planners and installers is that, whatever the heat source, the manufacturer's press connector systems can be used to install the entire route from the sustainable heat source to efficient heat transfer in the home without changing systems or tools. This significantly reduces installation time. There are also no problems with risky interfaces. This applies regardless of whether the flow temperatures are low, as is the case with the heat pump. Or whether maximum temperatures of around 100 °C and briefly above are to be expected, as with solar thermal systems.

Easy connection of heat pump outdoor units

With the press connector systems "Profipress", "Temponox", "Megapress", "Prestabo", "Sanpress" and "Sanpress Inox", the Viega system network has long offered a wide range of tried-and-tested installation solutions made of different materials for connecting monoblock heat pumps that are installed above ground in outdoor areas. However, connecting the heat pumps on site has always been a challenge due to the different thread dimensions. With the new "Sanpress" transition pieces with threaded and press connections as well as flat-sealing connection fittings, Viega offers a practical solution that is optimally matched to the press connector systems in suitable dimensions. This ensures streamlined installation processes and greater safety. There are

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fewer transitions and therefore fewer potential leaks in the above-ground connection pipe.

The "Sanpress" adapters with press connection will be available from April 2025 with male G-thread in the dimensions 28x1 to 42x1 1/2 and connecting fittings with female G-thread in the dimensions 22x1 1/2 to 42x1 1/2. As is typical for Viega, the press connections feature the SC-Contur, a forced leak in the unpressed state. This means that any connection points that are inadvertently left unpressed are already visible during the pressure test. After pressing, the connection is reliably tight.

Heat pump connection pipe - flexible in the system network

With the new heat pump connection pipe, Viega also offers a solution for the buried connection of external heat pump units that reflects the system concept with all its processing advantages. The connections of the PB-R service pipes have already been adapted to the Viega "Raxofix" press connector system. This means that both the connection to the heat pump's outdoor unit and the distribution in the building can be realised consistently with this one press connector system. From the heat pump to the surface heating system, this can be done safely and economically in just three steps: cut the pipe to length, fit the connector and press.

The extremely robust Viega heat pump connection pipe with 32 mm or 40 mm media pipes and two empty electrical conduits is available in lengths of 5, 10, 15 and 20 metres. The insulation consists of high-quality, longitudinally welded and halogen-free PE foam insulation (0.038 W/m*K (50 °C)). A rubber end collar to protect against moisture ingress at the heat pump connection, end caps and a separate gas- and water-tight annular space seal for the interior cellar wall are also available as a set. The new heat pump connection pipe from Viega will be launched on the market in July 2025.

Geopress" Y-piece for geothermal applications

In addition to monoblock heat pumps, geothermal heat pumps also play an important role in the energy transition. Their market share is around 25 percent of installed systems (source: German Heat Pump Association). As a system provider, Viega has therefore also further developed the press connection technology for these applications: The "Geopress" Y-piece is a heavy-duty option for connecting geothermal probes made of buried PE-HD or



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PE-X pipes, thus reducing installation costs in this area. At the same time, the "Geopress" Y-piece offers maximum operational safety thanks to the corrosion-resistant gunmetal material, which is almost indispensable for deep boreholes in the ground.

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Image 1 (PR_ISH_Heat-pump-connection_20250317-01.jpg): With the new "Sanpress" adapters and connection fittings, externally installed monoblock heat pumps can be connected directly to a Viega press connector system with little effort. This saves time and ensures reliable installation. (Photo: Viega)

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Image 2 (PR_PR_ISH_Heat-pump-connection_20250317-02.jpg): The heat pump connection pipe offered by Viega for underground installation is extremely practical: highly flexible, halogen-free insulation at the factory and, thanks to the colouring of the PE pipes carrying the medium, there is no risk of confusion between the flow and return pipes. (Photo: Viega)



Image 3 (PR_ISH_Heat-pump-connection_20250317-03.jpg): Drilling deep into the ground, places particularly high demands on the materials used. Viega's Geopress Y-pieces for connecting geothermal heat pumps are therefore made of the corrosion-resistant material gunmetal. (Photo: Viega)



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About Viega:

Viega is an expert in healthy potable water in buildings and a global market and technology leader in the installation sector. As a quality-focused family business employing more than 5,500 people throughout the world, the company has over 125 years of experience in building technology. Its core areas of expertise include maintaining and developing potable water hygiene, energy efficiency, comfort and safety in buildings. With ten locations around the world, the company group produces more than 17,000 products and systems.

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