

Reduced vibrations, more efficiency: Witzenmann optimises heat generation

From copper pipe to metal bellows: Witzenmann is setting new standards in heat generation with innovative pipe systems. The vibration-damping, flexible bellows elements minimise vibrations from the compressor and thus ensure quieter heat pumps, save installation space and reduce costs. As an experienced series supplier with a high level of development expertise, Witzenmann offers customised solutions for flexible device piping - to be experienced first-hand at ISH 2025 in Frankfurt from 17 to 21 March.



Witzenmann reduces vibrations in heat pumps with flexible stainless steel bellows elements - from small to large series. (Image source: Witzenmann)

Minimising vibrations from the compressor is essential for heat pump manufacturers to ensure a long service life and low-noise operation. Until now, complex bent copper pipes have been used for this purpose, which take up a lot of installation space. As the world's leading expert in the safe and efficient transmission of media and energy, Witzenmann presents a more compact and efficient solution with its flexible bellows elements: The stainless steel components attached directly to the compressor reliably reduce vibrations and thus ensure quieter heat pumps. The direct connection also reduces the installation space requirements on the heat generator, thus enabling optimum installation even in tight installation situations. The space-saving design also minimises material costs. Manufacturers benefit from an optimised appliance size, lower costs and improved noise levels.

Complete solution from a single source

Witzenmann offers its customers not only individual components, but also a customised complete solution from a single source. The cable expert supports its customers as a competent development partner from planning and consulting to development and series production. The company combines its comprehensive engineering expertise with many years of experience in series production. "Our expertise from sectors such as the automotive industry helps us to implement even large production

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volumes with the highest quality and efficiency. In this way, we specifically support heat pump manufacturers in optimising production processes and reducing assembly costs by supplying complete assemblies," explains Johannes Schweitzer, Head of Sales Building Solutions at Witzenmann.

Thanks to state-of-the-art testing facilities and in-house machine, mould and prototype construction, solutions can also be precisely tailored to the respective load cases and customer requirements. For manufacturers, this means lower development costs, optimised performance and a long service life for the systems. Whether small or large series - Witzenmann supplies customised, maintenance-free and easy-to-install piping systems for heat generation.

Witzenmann at the ISH 2025

At [ISH 2025](#) in Frankfurt am Main from 17 to 21 March, the world's leading trade fair for water, heat and air, Witzenmann will be presenting its latest solutions in the field of heat generation alongside other products. In Hall 9, Stand C09, visitors will have the opportunity to experience the innovative products and services live and talk to Witzenmann. A special highlight is the interactive live demonstration: Witzenmann literally makes the advantages of its vibration-damping solution tangible for visitors.

The Witzenmann Group

The Witzenmann Group is the world's leading expert in the safe and efficient transmission of media and energy for mobility and industry. Its headquarters are in Pforzheim. With a total of 22 companies in 16 countries worldwide, the family-owned company employs around 4,500 people.

Innovation, technology and digital pioneering work characterise Witzenmann: The company is the development partner with the world's broadest product range of metal hoses, expansion joints, metal bellows, pipe supports, pipe systems and vehicle parts and offers its customers from a wide range of industries intelligent product solutions and services.

Further information is available at:



Witzenmann: <https://www.witzenmann.de/de/>
Innovation: <https://www.witzenmann.de/de/innovation/>
Digitalisation: <https://www.witzenmann.de/de/digitalisierung/>



Witzenmann: <https://www.linkedin.com/company/witzenmann-gmbh/>
Philip Paschen: <https://www.linkedin.com/in/philip-alexander-paschen-b31264/>



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Picture and caption



Caption

With flexible stainless steel bellows elements, Witzenmann reduces vibrations in heat pumps - from small to large series.

Image source: Witzenmann

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