**Sustainable and Standards-compliant: Seals for the Beverage Industry**

**At drinktec 2025 in Munich, Freudenberg Sealing Technologies is presenting certified, sustainable sealing solutions. It is also inviting attendees to try them out.**

**Weinheim, September 4, 2025 - From September 15 to 19, 2025, the leading global trade fair for the beverage and liquid food industry offers plenty of space for active networking and a review of trends in the food and beverage industry. At Stand 348 in Hall B5, Freudenberg Sealing Technologies is presenting a high-performance clamp seal in a hygienic design, along with industry-specific sealing materials. For the first time, a simplified process for the rapid replacement of shaft seal rings will also be introduced to professionals attending the fair in Munich. The company is showcasing optimizations of proven seals that are geared to the future. Attendees get the chance to work with seal models in a test setting and install them on their own at the stand.**

**Clamp seal with support ring: sustainable sealing system for flange connections**

Freudenberg Sealing Technologies has developed a reliable, hygienic solution for clamp connections that enables the gap-free sealing of tube systems using local, media-based compression of the elastomer seal. With this development, Freudenberg Sealing Technologies experts were thinking a step ahead. The hygienic clamp seal is provided with a metallic outer ring as a limit on compression – and the support ring can be reused. This makes it possible to conserve valuable resources such as materials and energy while avoiding waste. The clamp seals were developed in accordance with DIN 32676 and can be produced for various tube diameters. They also lend themselves to retrofit solutions for existing tube systems thanks to their backwards compatibility.

**Hands-on and heads-up: See how high-performance seals work**

When it comes to new technologies, performance matters and hands-on testing is a great help. At the Freudenberg Sealing Technologies stand, attendees can perform a test to see how easily seals can be swapped during the maintenance cycle. Aside from the haptic testing of new seal solutions, the test stand features an important visual feature as well: A demonstrator shows the functioning of the seals, depicting what happens when non-hygienic or improperly placed seals jut in or out and disrupt the flow of the medium inside the tubes. The result is contamination. The demonstration reveals excellent material performance, but that is just one aspect of the company’s presence at drinktec. Another focus is the exceptional functioning of the components that are used.

**SmartChange system: Saving time and avoiding waste when changing seals**

Freudenberg Sealing Technologies is setting new standards in the food and beverage industry with a newly developed clamping ring for the extremely quick and easy installation and removal of shaft seals in the Radiamatic® HTS II series. Thanks to smart design development, a complete dismantling and mounting cycle can be carried out in just a few minutes. The specially adapted geometry of the clamping ring provides a secure fit for the seal in the installation space while allowing the effortless removal of the high-performance sealing element. Another advantage: The clamping ring stays in the installation space and does not have to be replaced. The installation of a profile ring afterwards is straightforward. The starter kit includes a new clamping ring as well as a profile ring from the Radiamatic® HTS II portfolio. All the single- and double-lip variants of the HTS II series are available with the new SmartChange system – including the hygienic design version with a forward-positioned lip. Cleaning is easy with conventional CIP and SIP processes.

**High-performance materials: Optimal seal design boosts process efficiency**

Superb material knowhow and maximum manufacturing precision are needed to fulfil national and international guidelines and standards in the food and beverage industry. Freudenberg Sealing Technologies’ experts offer both. At drinktec, the company is introducing a newly developed sealing material – the “75 HNBR 641” – that meets FDA and EU 1935/2004 requirements. The long-lasting seals are much more robust than conventional HNBR compounds. In addition to exceptional mechanical performance, they exhibit maximum abrasion resistance even under dynamic stresses. That makes them ideal for hygienic applications. As it develops new production processes, the Weinheim-based company is increasingly seeking optimized resource efficiency, and it passes the benefits on to its customers, such as a longer service life or reduced material use due to recycling. Michael Littig, Senior Sales Director Europe at Freudenberg Sealing Technologies, is eager to see which sealing topics will be in high demand at drinktec this year. “The concentrated expertise of Freudenberg Sealing Technologies is on display at drinktec, and we are looking forward to discussing specific requirements and expanding our existing networks,” he said.

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**About Freudenberg Sealing Technologies**

Freudenberg Sealing Technologies is a long-standing technology expert and global market leader for sophisticated and innovative applications in sealing technology and electromobility. With its unique materials and technology expertise, the company is a proven supplier of sophisticated products and applications as well as a development and service partner for customers in the automotive industry and general industry. In the 2024 financial year, Freudenberg Sealing Technologies generated sales of around €2.5 billion and employed around 13,000 people. Further information at [www.fst.com](http://www.fst.com/).

The company is part of the global Freudenberg Group, which generated sales of almost 12 billion euros in the 2024 financial year with its Seals and Vibration Control Technology, Nonwovens and Filtration, Household Products and Specialties divisions and employed around 52,000 people in some 60 countries. Further information at [www.freudenberg.com](http://www.freudenberg.com)

**Media Contact**

Freudenberg Sealing Technologies

Michelle Klöss

Phone: +49 6201 960 5379

E-Mail: michelle.kloess@fst.com

[www.fst.com](http://www.fst.com)  
www.youtube.com/freudenbergsealing

[www.fst.de](http://www.fst.de)