

*LATEST PRODUCT INFORMATION
FOR UK ONLY*

Freudenberg's Simmerring® – innovative, functional and long lasting

**The right design for every operating condition in the process
industry**

Freudenberg Sealing Technologies has developed a broad portfolio of Simmerring® radial shaft seals to meet the diverse challenges of the food, beverage, pharmaceutical and chemical industries. This includes various product families in different materials that meet the industry specific legal requirements.

The original Simmerring® serves as a flexible and highly durable solution for sealing drive shafts. There are special designs made of elastomer materials for use in the process industry, such as 75 Fluoroprene® XP 45, 70 EPDM 291 or 70 NBR 335. These have been specially developed for contact with foods and pharmaceuticals and are also certified in accordance with industry- and country-specific standards. The Simmerring® product family consists of different designs for the process industry: BAUM as a friction-optimised standard design with a rubberised outer sleeve, BAUMSL with a protective lip for heavily contaminated environments, and BAC as a partially or fully encapsulated radial shaft seal for increased hygiene requirements. The Simmerring® offers many advantages, such as high resistance to media, good adaptability to customer-specific requirements, and the availability of numerous tools in standard dimensions.

Continued

Based on the design of the proven Simmerring®, the Simmerring® MSS3 is available both with and without a dust lip. The combination of non-food & beverage standard catalogue items with food-grade PTFE lip provides protection against aggressive media and is suited for direct contact with foods and pharmaceuticals. The advantages include quick availability, adaptability to customer-specific application conditions and the availability of numerous tools for standard dimensions. A distinction is made between the MSS3 as a modified standard BA design with bonded special fleece or a PTFE disc as a protective lip against the finest dirt accumulation and the MSS3 Hygienic Design with an integrated PTFE disc that covers the Simmerring® hygienically and free of dead space.

The Simmerring® B2PT was developed for higher pressures, extreme chemical and thermal loads, dry running or deficient lubrication. The metal housing is made of stainless steel 1.4571 and the sealing lip of a high-performance PTFE material, such as Quantum® PTFE F18245 or Quantum® PTFE F53722. The Simmerring® B2PT enables stick-slip-free operation and can be adapted to customer-specific requirements. The following designs are available: B2PT for extreme thermal and chemical loads, B2PT Hygienic for increased hygiene requirements and B2PT Split as a version with an additional dust lip.

The Simmerring® BlueSeal is ideal for applications with low lubrication, high speeds, extreme temperatures and aggressive media. Besides its high thermal and chemical resistance, it also offers a friction-optimised PTFE lip design and, like its related products, can be adapted to customer-specific requirements. The three shapes BlueSeal BA as a standard design, BlueSeal B1 with a metallic adhesive part, BlueSeal B1 Reverse with a metallic outer sleeve and BlueSeal BA Reverse Hygienic Design with a PTFE outer sleeve in “Reverse Lip Design” are available in the materials Quantum® PTFE F18245 and Quantum® PTFE F53722.

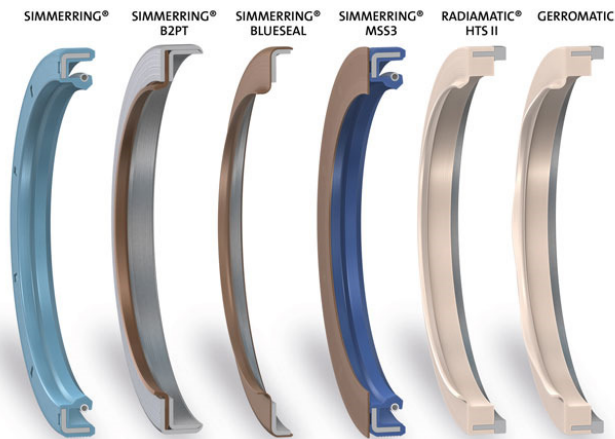
Continued

The wide-ranging portfolio of radial shaft seals from Freudenberg Sealing Technologies includes a number of other food-compliant and hygienic solutions. These are made of high-performance materials and each has a design tailored to specific applications. These include, for example, the Gerromatic or the Radiamatic® HTS II. The experts at Freudenberg Sealing Technologies constantly monitor current market needs and proactively develop new product designs and sealing materials to best meet them.

More information can be found here:

<https://www.fst.com/-/media/files/fst,-d-.com/markets/process%20industry/broschueren/sealing-solutions-for-drive-shafts-in-the-process-industry.pdf>

SEALING SOLUTIONS FOR DRIVE SHAFTS IN THE PROCESS INDUSTRY



Caption: Freudenberg Sealing Technologies has developed a broad portfolio of Simmerring® radial shaft seals to meet the diverse challenges of the food, beverage, pharmaceutical and chemical industries.

[Download high resolution 300dpi image](#)

[Download low resolution 72dpi image](#)

Continued

About Freudenberg Sealing Technologies

Freudenberg Sealing Technologies is a longstanding technology expert and market leader for sophisticated and novel applications in sealing technology and electric mobility solutions worldwide. With its unique materials and technology expertise, the company is a proven supplier for demanding products and applications, as well as a development and service partner to customers in the automotive industries and in general industries. In 2020, Freudenberg Sealing Technologies generated sales of about 2 billion euros and employed approximately 13,000 people. More information at www.fst.com

The company is part of the global Freudenberg Group which has four business areas: Seals and Vibration Control Technology, Nonwovens and Filtration, Household Products as well as Specialties and Others. In 2020, the Group generated sales of approximately 8.8 billion and employed more than 48,000 associates in around 60 countries. More information is available at www.freudenberg.com.

For product inquiries:

FST Ltd

Donington House, Riverside Road, Pride Park, Derby, DE24 8HY

tel: 01332 524422

email: fst-food-beverage@dichtomatik.co.uk

web: <https://foodandbeverage.fst.com/en>

www.fst.com

For media inquiries relating to Freudenberg Sealing Technologies:

Freudenberg Sealing Technologies GmbH & Co. KG

Ulrike Reich, Head of Media Relations

tel: +49 (0)6201 80 5713

email: ulrike.reich@fst.com