

Press release

August 29, 2025

SeccoLipR: Effective protection against particle ingress.

The patented lip seal is optimized for applications involving product contact

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We look forward to a sample copy.

In demanding processes in the chemical, pharmaceutical, and food industries, particles entering the shaft seal can result in increased wear and unplanned downtime. EagleBurgmann's new SeccoLipR seal component sets a new standard in this regard. Part of the well-established SeccoLip seal series, it features a metal shield designed to reliably protect the PTFE sealing lips behind it from abrasion and ascending leakage. The result is a significantly longer service life for the seal, even with direct product contact.

During operation, seals on shafts in machines and systems are constantly exposed to forces of varying strength and direction. Many lip seals struggle in this situation, which can result in increased wear, contamination that reduces quality due to leaks, or even complete seal failure. SeccoLip, a proven and patented lip seal, addresses many of these challenges by combining the operating principle of shaft sealing lips with the reliability and safety of a mechanical seal. The patented combination of a PTFE sealing lip and sliding part can directly and safely compensate for shaft deflections thanks to a special compensation function.

The new SeccoLipR seal component enhances this concept by incorporating a metal shield that protects the lip seals behind it from abrasive substances, preventing damage and leaks. It also features a second PTFE lip that seals against the atmosphere, making it suitable for use in a vacuum. Compared to other solutions on the market, this second PTFE element offers an improved throttling function. Further advantages include the ability to combine the SeccoLipR component with other agitator seals and the option of using it as a single-seal solution.

The advantages of this seal for agitators, mixers, kneaders, dryers, reactors and screw conveyors with top or side drives are clear. Operators benefit from the following, among other things:

- The modular design allows for variable arrangement of the sealing lips.

- In addition to six standard sizes (40 mm, 50 mm, 60 mm, 80 mm and 100 mm), custom sizes are also available upon request.
- Its dead space-minimized design makes it fully CIP/SIP compatible.
- The cartridge design simplifies assembly, and installation and maintenance are straightforward as the seal does not contain any sensitive parts, such as springs, drivers, slide rings or counter rings.

Distributed by EagleBurgmann Germany in Wolfratshausen and all international subsidiaries: Tel. +49 8171 23 0, info@eagleburgmann.com, www.eagleburgmann.com

"Our operator requirements ensure the continuous development of our sealing solutions, which set the standard," says Markus Schmidt, product manager at EagleBurgmann. "Our global service centers provide comprehensive services, including consulting, training, and support, to ensure the smooth, economical, and sustainable operation of plants."



Image: *EagleBurgmann_SeccoLipR_component_CMYK_2025-08*

The SeccoLip lip seal product range has proven its worth in numerous applications. The new SeccoLipR component is a powerful upgrade for particularly demanding operating conditions. (Image: EagleBurgmann Germany GmbH & Co. KG)

About EagleBurgmann:

Eagle Burgmann – Leading Innovation in Sustainable Sealing Solutions

We are your leading international specialist in industrial sealing technology. We combine innovative technologies, digital solutions and our passion and enthusiasm to create sophisticated and reliable sealing systems. Our products help make entire industries safer and more sustainable. 6,000 employees create added value for our customers around the world with their enthusiasm

and competence. EagleBurgmann is a joint venture between the German Freudenberg Group and the Japanese Eagle Industry Group.

Rely on excellence.