

RELY ON EXCELLENCE

## Sealing Solutions For All Challenges



# Solutions for Rotating Equipment

## Pump Seals



Liquid and gas-lubricated single and multiple mechanical seals in standard and special designs, also in accordance with API 682.

- Elastomer bellows seals
- Pusher seals
- Metal bellows seals
- High pressure and engineered seals
- Split seals, gas-lubricated seals



## Seal Supply Systems

Supply systems for flushing, cooling, pressurization and leakage compensation, also API682-compliant systems.

- Quench fluid systems
- Thermosiphon systems
- Closed loop systems
- Pressure booster systems
- Buffer / barrier fluid systems
- Automatic refill units
- Heat exchangers
- Leakage control systems
- Cyclone separators, filters
- Gas supply systems
- RoTechBooster



## Digital Products & Services

Innovative digital products and services help our customers to increase system uptime, monitor operating parameters and plan maintenance.

- EB Smart Seal Sensor
- EB Smart Seal
- EB Seal Monitoring Kit



# Static Sealing Solutions

## Expansion Joints

As flexible connecting elements in air and exhaust ducts and piping systems, expansion joints compensate for pressure and temperature fluctuations, vibrations and misalignment at the connection points. Individual solutions are available for application-specific requirements.

- Fabric expansion joints
- Metal expansion joints
- Rubber expansion joints



## Agitator Seals



From standardized mechanical seals in modular design to tailor-made solutions for agitators, mixers, reactors and special machines with top, side or bottom drive. For steel and glass-lined containers, including for use in sterile processes.

- Dry running agitator seals
- Gas-lubricated agitator seals
- Liquid-lubricated agitator seals
- Shut-down agitator seals



## Carbon Floating Ring Seals

Labyrinth seals with floating sealing rings provide radial sealing to the shaft and enable a very small gap. Designed for dry running. Can be used for pure gases, media containing solids, oil mist and penetrating oils.



- Shaft seals
- Shaft sleeves



## Special Products

Special areas of application require individual solutions. This is made possible by outstanding know-how, many years of experience and, above all, the ambition to turn ideas into practical solutions.



- Rotary kiln sealing system DR0, Rope Pull Cartridge RPC, Espey Magna 500+
- Diaphragm couplings



## Packings & Gaskets

### Packings

An economical and reliable method of sealing valve spindles, pumps and other rotating shafts. Manufactured using modern production techniques from proven and innovative materials and combinations.

### Gaskets

Wide range of high-quality gaskets from fiber- and rubber-based PTFE types to graphite and metal gaskets.



## Compressor Seals

Robust, wear-free and contact-free for maximum performance over a long service life. Various versions as single/double seals, tandem seals, and tandem seals with intermediate labyrinth and zero methane emission design.



- Gas-lubricated compressor seals
- Separation seals
- Oil-lubricated compressor seals



## Magnetic Couplings

Hermetically sealed magnetic couplings for applications with high requirements, e.g. in pumps or mixers. Variants for sterile requirements.



- Magnetic couplings
- Bearings



## Total Seal Care

Flexible and transparent service modules according to individual requirements and conditions. From installation and commissioning to complete maintenance of all installed seals, including digital documentation, all the way to warehouse management and employee training.

- Consulting and engineering
- Maintenance
- On-site service
- Inventory management
- Seminars & training
- Technical analysis & support
- Service agreements



## Our solutions: As diverse as our customers

Our customers expect us not only to provide high-quality sealing technology but also complete solutions for their challenges. As a system provider, we ensure that all requirements for reliability, safety, efficiency and maximum system availability are met.

That explains why our expertise in sealing technology has been in demand in numerous industries for many years:

- Oil & gas
- Refinery
- Petrochemical
- Chemical
- Pharmaceutical
- Energy
- Food & beverage
- Pulp & paper
- Water & waste water
- Shipbuilding
- Aerospace
- Mining
- Energy transition
- and more



# Energy Transition

EagleBurgmann has always been an innovation leader in sealing technology and is actively shaping the path to decarbonization and emission reduction. We see ourselves as a partner to our customers and work with them to develop sealing solutions that ensure the safe and efficient operation of machines and technical systems that are needed or are already in use on the way to net zero.



## Innovation & Reliability

Seals and sealing systems are important components that determine energy efficiency and operating costs. When used in rotating equipment as well as in piping systems, there are many sealing points that have an impact on operational safety and emissions. Correctly selected and operated sealing technology quickly adds up to a significant contribution to greater efficiency and sustainability.

Continuous expansion of the product portfolio and range of services ensures that our customers achieve their goals today, tomorrow and in the future.



**H75A4-B:** Pump seal for use in H<sub>2</sub>, CCUS or for applications in the circular economy



**eMG1:** Pump seal with outstanding lifespan thanks to its special design and materials



**eCartex:** Robust DiamondFace technology in standard cartridge seals



**Rotary Kiln Sealing System DR0:** Lowest emission sealing system in the market



**NonFlow:** Seal supply system for minimum water consumption and maximum reliability



**eFlexgen Expansion Joint:** Innovative material and design for minimal fugitive emissions



**eMAK:** Hermetically tight magnetic coupling with best-in-class energy efficiency



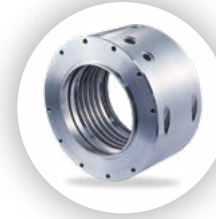
**CobaDGS:** Zero-methane emission DGS for compressors



High-performance **gaskets and packings** for demanding tasks in renewable energy applications



**RoTechBooster:** Seal gas booster for compressors to avoid venting during turning and stand-still mode



**WKA1200:** Carbon floating ring seal for CCUS applications



**sCO<sub>2</sub>DGS:** For use in supercritical CO<sub>2</sub> applications, such as CCUS or power generation

## EagleBurgmann – 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.**



**More than 100 service centers worldwide**

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