

REXNORD® AEROSPACE FRAGMENTED SEALS



Rexnord Aerospace Seal Applications

Since 1946, Rexnord Aerospace has been designing high-quality seals for aerospace and industrial applications. Rexnord Seals are designed to provide optimum leak protection in many different operating environments and are found in:

- Gas turbine engines
- Auxiliary power units
- Gearboxes and accessories
- Hydraulic power systems
- Environmental control systems
- Rockets and weapon systems
- Pumps and compressors
- Industrial turbines
- Many other rotating components

Rexnord engineers design optimum solutions for some of the most complex operating parameters. Our designs are intended to bring significant customer value, long life and product life services.

Motion Control Solutions Regal Rexnord

Contact us: aerospace.rexnord.com/contact
regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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Tailored to your specific needs

Rexnord Fragmented Seals are circumferential seals that can be customized to meet a wide range of operating conditions and applications, each offering outstanding performance, long life and extraordinary value.

Theory of operation

Rexnord Fragmented Seals are comprised of a number of jointed segments forming a ring. The segments are held together radially by a garter spring, with axial force provided by multiple coil or wave springs. Drive pins engaged with notches or slots on each segment prevent rotation.

Our team of engineers and experts take into consideration that different conditions present different challenges. The flexibility of our designs enables us to resolve these with modification of the basic design and careful selection of material grades. With precision analysis, we optimize various forces to achieve the desired balance between low leakage and long life for each application. Our seals can also be designed to be tamper resistant or repairable.

Applications

The Rexnord team will always take your application's specific operating conditions into account as we create your custom seal solution. The performance of these critical components reflects the quality of their construction, installation and handling. A complete list of options and additional services is available upon request.

Features and benefits

- Custom engineered seal assemblies to accommodate unique operating geometries and environments, enabling predictable, reliable performance.
- Compact construction simplifies installation in applications in which space is limited.
- High Temperature/Pressure rated up to 1,000°F and up to 100 psid. Wide range of operating speeds.
- Repairable design to reduce overall life cycle costs.
- Rugged design able to handle off conditions such as oil ingestion and prolonged radial excursions.



Materials of construction

