

Freudenberg

Oil & Gas
Your Technology Specialist



TRADITION OF FREUDENBERG

The Freudenberg Group is a family owned company with over 160 years of experience. We are a global company with more than 120 manufacturing facilities in 55 countries providing solutions for the aerospace, medical, automotive, chemical processing, pharmaceutical, semiconductor, industrial, oil and gas, and energy markets. Through our commitment to quality and emerging technologies, we are able to provide our customers with innovative products and business solutions to elevate them beyond their current challenges.



Freudenberg

Oil & Gas



The Freudenberg Group established Freudenberg Oil & Gas to provide the highest levels of customer service, product expertise, technology improvements and quality systems to the upstream oil and gas industry.



Freudenberg Oil & Gas is a global solutions provider of elastomeric and plastic seals and engineer-designed products. Our continuous dedication to innovation and excellence offers our customers a clear competitive advantage.



Freudenberg Oil & Gas utilizes engineered designs, advanced manufacturing, product and material testing, material development, prototyping, and custom molding and machining of specialized elastomers and high-performance plastics to provide our customers with robust solutions for the oil and gas industry.

PRINCIPLE VALUE DRIVERS

- INNOVATIVE TECHNOLOGY
- INGRAINED QUALITY SYSTEMS
- GLOBAL PRESENCE
- OPERATIONAL EXCELLENCE

YOUR GLOBAL SEAL TECHNOLOGY FOR THE UPSTREAM OIL & GAS

INNOVATIVE TECHNOLOGY

- Complete materials research, development and testing for elastomers and plastics
- Fully equipped labs enable complete pre-production material and process validation
- Testing capabilities for extreme temperatures and pressures, chemical compatibility and rapid gas decompression to meet industry standards and customer-specific requirements
- Developing new designs and technologies for superior performance

INGRAINED QUALITY SYSTEMS

- Global quality management systems
- Quality of our products is our priority
- Customer satisfaction is our ultimate goal
- We accept the responsibility to meet our customers' expectations
- We will continuously strive to improve our quality
- Behavior-based health and safety programs
- Outstanding record of HSEQ performance



Our 55,000-square-foot R&D facility enables complete materials research, development and testing for elastomers and plastics.



An example of a mold flow analysis image.

SEAL TECHNOLOGY SPECIALISTS FOR THE OIL & GAS INDUSTRY


Freudenberg
Oil & Gas

GLOBAL PRESENCE

- Global locations in key upstream oil and gas markets
- Local sales and service to meet customers' requirements
- Consistent quality and technology provided from all locations
- Research and development centers in the U.S. and Europe

OPERATIONAL EXCELLENCE

- GROWTTH® – A proprietary company-wide continuous improvement and optimization program
- Global systems for advanced quality, productivity and responsiveness
- Value Engineering – Products are designed for performance with a focus to identify and prevent value problems before production
- Best practices used in manufacturing processes



The Freudenberg Group holds numerous seal technology patents. Pictured here is Dr. Mohsen Sohi, Member of the Management Board of Freudenberg & Co.



RELIABLE, ROBUST SEAL SOLUTIONS



STANDARD ELASTOMERIC SEALS

- Advanced elastomer materials for the extreme requirements of the oilfield
- Highest quality specialized elastomers
- In-house compounding
- O-ring standard sizes available in FFKM, FKM, FEPM, HNBR, NBR and XNBR



CUSTOM-MOLDED ELASTOMERS

- Packing elements
- Bonded seals
- Well servicing products
- Downhole components
- Cementing products
- Surface wellheads
- Customer-specific solutions



ENGINEER-DESIGNED SEALING SOLUTIONS

- Seal stacks utilizing specialized elastomers and high-performance plastics
- Custom spring-energized seals
- Testing for proven solutions
- Designs for performance, repeatability and ease of installation



HIGH-PERFORMANCE MACHINED PLASTICS

- Custom designed and standard products from a full range of materials
- Precision prototyping and production parts
- Wide range of capabilities to machine intricate components and large diameter parts




PRESSURE-CONTROL PRODUCTS

- Spherical and GK elements
- Ram packers
- Shear packers
- Stripper packers
- Top seals and bonnet seals
- Complete repair kits



METALLIC SEALS & GASKETS

- Metal ring joints
- Spiral wound gaskets
- IX gaskets
- Pressure-test gaskets



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