

Introducing the Canted Coil MSE® Sealing Solution

Canted Coil MSE® Seal

Greene Tweed's Canted Coil MSE® (Metal Spring Energized) seal is designed to reduce power loss and improve precision movement in small diameter applications without sacrificing leakage control or durability. With its broad chemical compatibility and resistance to extreme temperatures, pressure, and friction, this high-performance seal meets and exceeds the safety and wear requirements of a wide range of industrial environments.

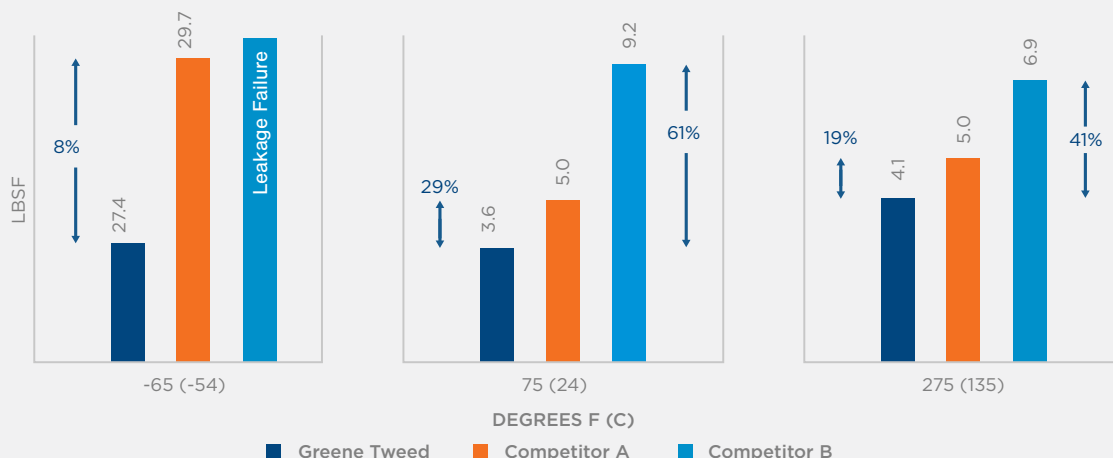
After two years of intensive development and testing, our newest Canted Coil MSE® sets a new standard for performance.



Canted Coil MSE® Features & Benefits

- High-quality construction retains its properties and durability in demanding environments
- Consistently low friction even as sealing material wears away
- Ideal for smaller diameters
- Superior leakage control improvement (3-74%) compared to leading manufacturers
- Metal spring provides sealing force under low pressure
- Seal jacket provides unidirectional sealing element with anti-extrusion features
- Meets critical friction requirements
- Broad temperature resistance - cryogenic to 550°F (288°C)
- Superior friction reduction over leading competitors (see graphs below)

Percent of Friction Improvement Over Major Competitors



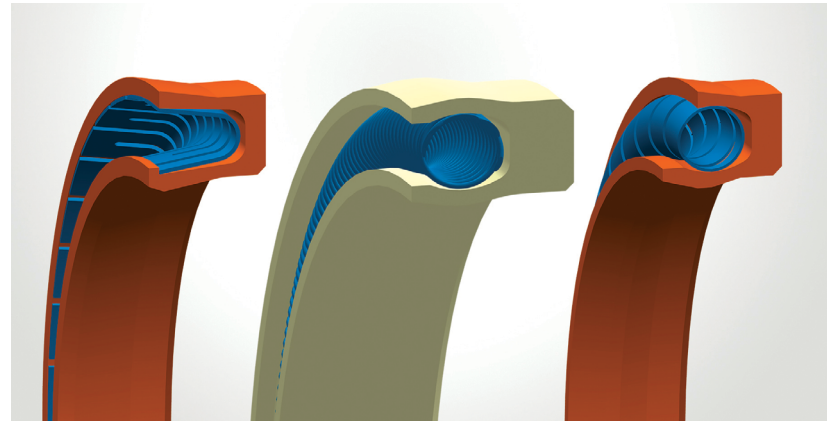
Two years of design development and extensive testing resulted in superior friction reduction and leakage control when compared to competitors.

Greene Tweed's MSE® Seal Product Line

How MSE® Seals Work

Greene Tweed MSE® seals are an effective choice when standard elastomer-based or polyurethane-based seals don't meet the operating requirements of a harsh environment. Initially, the seal is compressed within the application from its original free state. Under lower pressures, the spring provides sealing force between the jacket and the hardware. As pressure builds, the fluid pressure provides additional seal force against the jacket.

Sealing solutions are a proven performer in linear, static, oscillating, and rotary applications. As a customer, you can be certain your sealing solution will arrive exactly as ordered.



MSE® Seal Options

Options include canted coil, ribbon coil, and finger spring options available in seven unique materials.

A wide range of industries and applications rely on Greene Tweed's selection of **custom-engineered MSE® sealing solutions**.

No matter how challenging the environment, our team will work with you to develop the right seal for the job.

MSE® Seal Application Examples

- Fuel controls, pumps, and valves
- Hydraulic and Oxygen systems
- Analytical equipment
- Compressors
- Cryogenic systems
- Downhole tools
- Mechanical Seals
- Dispensing systems

[Click here to learn more about Greene Tweed's MSE® Seal product line](#)

Greene Tweed

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