



MSE® SEAL

Optimum Sealing Solutions

HIGH-PERFORMANCE, LOW-FRICTION SEAL

The MSE® (Metal Spring Energized) seal's superior designed "dual-lip body" gives improved sealing performance. Because our expertise in custom design and fabrication leads innovative designs, special configurations of MSE seals are limitless.

Anti-Blowout MSE Seals

Greene, Tweed has developed a specially configured MSE Seal for applications where the dynamic sealing surface is withdrawn past the seal interface while the seal remains under pressure.

The seal and housing geometry allows the withdrawal/ removal of the dynamic sealing surface without the seal being "blown" from its gland.

The seal is manufactured from Greene, Tweed's proprietary grades of PTFE, creating extremely low-friction characteristics. Seals operate at pressures to 6,000 psi (414 bar); however, higher pressures can be achieved.

The seals unique design gives secure sealing over repeated demanding applications.

FEATURES & BENEFITS

Low Friction

- Low power absorption and torque requirements
- Friction can be adjusted and controlled
- Ability to run dry or lubricated giving a long service life

Chemically inert

- Virtually unlimited media service with one seal
- Low-cost alternative to expensive elastomers
- Sensitive media not contaminated

Contact Us

Greene, Tweed Tel: +1.281.765.4500
 Energy Tel: +1.800.927.3301
 1930 Rankin Road Fax: +1.281.821.2696
 Houston, TX, USA



Wide temperature performance envelope

- Cryogenic to 600°F (316°C) with excellent performance at extreme temperatures

Pressure range from vacuum to 58,000 psi (4,000 bar) and above. Unlimited shelf life. Machinable for fitting existing O-ring grooves and sizes from 1/8 in. to 120 in. (3 mm to 304.8 mm)

APPLICATIONS

- Pumps
- Valves
- Metering
- Dispensing equipment
- Pressure switches
- Blowout preventors
- Blast hole drills
- Well heads
- Rock hammers
- Ball valves/gate valves
- Butterfly valves
- Drilling equipment
- Subsea safety valves
- Logging equipment
- Cementing equipment

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor a modification or alteration of our standard warranty which shall be applicable to such products.