



## 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 and cementing equipment

## 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Greene Tweed has developed a specially configured MSE® seal for applications where the dynamic sealing surface is withdrawn past the seal interface while the seal remains under pressure.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 unique design of the seal gives secure sealing over repeated demanding applications.

## Features and 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

### Wide Temperature Performance Envelope

- » Cryogenic to 550°F (288°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).

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 modify or alter our standard warranty applicable to such products.

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