

Mechanical Seal Checklist

When replacing a mechanical seal, ensure the following checks and procedures are performed:

- Material Compatibility:** Confirm that the mechanical seal materials are compatible with the pumped liquid and the operating temperature.
- Cleanliness:** Thoroughly clean all components that will touch or are near the mechanical seal. Remove any loose material or debris.
- Shaft Inspection:** Inspect the pump shaft for signs of wear and tear, including corrosion, pitting or scoring.
- Housing Inspection:** Check the stationary seal housing faces for wear, such as corrosion or pitting.
- Bearing Inspection:** Inspect the pump or motor bearings for wear and tear. (Bearings in poor condition can cause vibration, leading to seal failure.)
- Seal Face Condition:** Ensure the mechanical seal faces are free from damage.
- Seal Face Cleaning:** Clean the seal faces with a soft, lint-free cloth.
- Seal Lubrication:** Apply appropriate seal lubrication to the seal faces.
- Seal Tension Adjustment:** Check and adjust the seal tension as required.
- Final Assembly & Testing:** Assemble the pump and conduct a performance test to ensure proper operation.

Please call 01604 648800 for any questions or support. You can also email us at mail@durapump.co.uk