	Title: Installing a Type-16 Mechanical Seal in the field
	Procedure #: W_AB_3000xx Field Installation
	Rev: a Effective Date: 05/31/13

1. PURPOSE

The purpose of these work instructions is to describe the process of properly installing a Type-16 mechanical seal into a pump.

2. SCOPE

This procedure applies to all Type-16 seals.

3. PROCEDURE

3.01 Tools required for this procedure include:

- Large screwdriver with rounded handle
- Soapy Water: (1 tsp dishsoap per 4oz clean water)
- Small brush (foam brush preferred) to apply solution to the seal elastomers

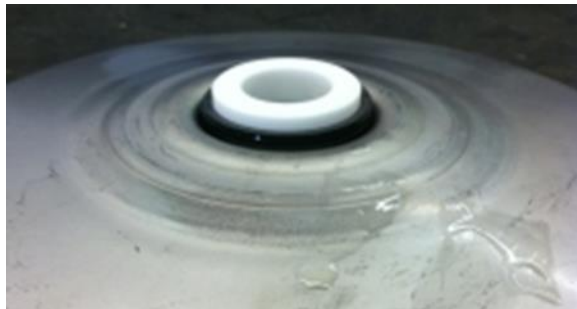
3.02 Place sealplate (P/N 400010) and mechanical seal components onto flat work surface



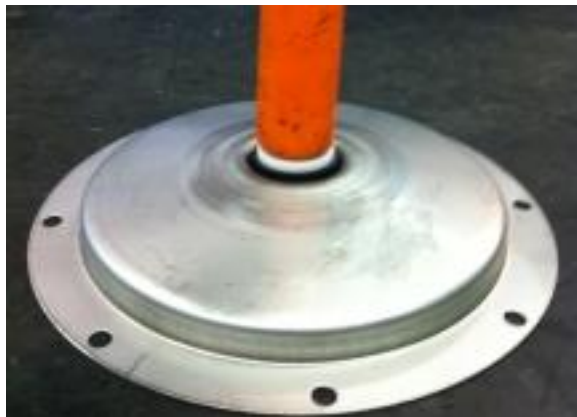
3.03 Apply soapy water (see tools required) to the outside of the seat on the stationary half of the seal. Do not let the liquid get on the face of the stationary seal



3.04 Set the stationary half of the seal into the seat as level as possible.



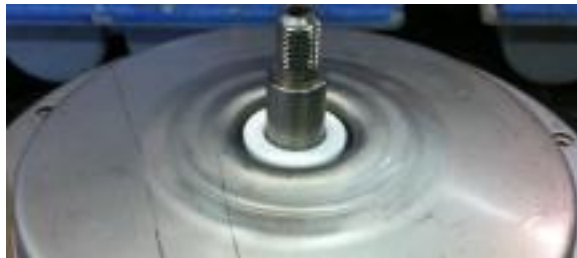
3.05 Press the stationary seal into the sealplate, using the butt of the screwdriver to find the center. The seat must be all the way against the sealplate bore.



3.06 Turn the sealplate upside down. Check to ensure the seal seat is pressed all the way against the sealplate bore. If it is not, you will see a gap between the rubber elastomer and the sealplate.



3.07 Install the sealplate and stationary seal onto the pump carefully. Do not damage the face of the stationary seal when installing over the motor shaft.



3.08 Lubricate the rubber in the inner diameter of the rotating seal half with the brush.



3.09 Carefully slide the rotating half over the motor shaft without damaging the seal face.



3.10 Press the rotating half down evenly until its face meets the stationary face. The spring will compress, and as you let go will slowly rebound. The top of the seal should be slightly above the shoulder on the shaft. Do not press the top of the rotating seal past the shaft shoulder



3.11 After installing the seal, screw the impeller onto the shaft until it stops at the shoulder on the motor shaft. You may need to prevent the motor shaft from rotating by inserting a screwdriver into the slot, found in the rear/center of the motor.



