

Instructions for dry gland replacement:

- Unbox the dry gland repair kit and inspect all components for wear or damage.
- Cut open the epoxy package and, using the wooden applicator, extrude the epoxy from the package. Mix thoroughly.
- Apply epoxy to the outer rim of the hard wear face.
- Place the O-ring on the outer rim of the hard wear face, positioning the O-ring at the leading edge.
- Position the hard wear face and O-ring into the gland adjuster.
- Using a slight twisting motion, carefully push the hard wear face into the adjuster.
- Wipe off any excess epoxy.
- Place a heavy object on top of the assembly until dry.
- Switch off the power to the pump, and lock the switch in the OFF position to ensure no power can get to the machine while replacing the gland.
- Remove the drain plug from the suction side of the Pump.
- Disconnect the discharge hose from the top of the Pump.
- Disconnect the suction hose from the front of the Pump.
- Remove the shaft guard.
- Attach an assembly aid arm or lifting device to the eye bolt located at the top of the suction-side casing.
- Remove the nuts from the suction-side casing.
- Lift the casing away from the Pump using the assembly aid arm or lifting device. The liner should come out with the casing. Inspect the liner for wear or damage.
- Hold the shaft in place with a J wrench or crescent wrench placed around the flat area between the gland and the flinger.
- Unscrew the impeller from the shaft.
- Reach inside the gland casing and pry the dry gland sleeve out.
- Insert a hard face protector, like a cardboard mailing tube, over the shaft to protect the hard face when removing the gland-side casing.
- Attach the assembly aid arm to the gland-side casing.
- Remove the nuts from the gland-side casing.
- Lift the gland-side casing from the pedestal using the assembly aid arm.
- Set the casing down, with the liner facing down and the gland facing up.
- Remove the bolts from the gland cover, and remove the cover.
- Remove the gland seal.
- Unbolt the gland and remove.
- Install the new gland.
- Install the new gland seal.
- Install new rubber spacers on the gland cover.
- Bolt the new adjusting gland sleeve to the gland cover.
- Attach the assembly aid to the eye bolt on the gland-side casing, and lift the casing back into place.
- Bolt the gland-side casing to the pedestal.
- Fit the face seal and the O-ring to the dry gland sleeve.
- Slide the dry gland sleeve onto the shaft and through the casing into the gland assembly.

- Apply anti-seize to the impeller threads.
- Reverse the position of the J wrench or crescent wrench on the shaft.
- Screw the new impeller onto the shaft, ensuring there is 1/8" clearance between the impeller and the suction-side casing.
- Remove the J wrench or crescent wrench from the shaft.
- Use the assembly aid arm or lifting device to lift the suction-side casing back into place.
- Secure the casing with bolts, torquing to recommended specifications.
- Remove the assembly aid arm or lifting device from the eye bolt.
- Replace the shaft guard.
- Reconnect the suction hose.
- Reconnect the discharge hose.
- Insert the drain plug.
- Restore power to the Pump.