



Conversion Instructions Series 80, 1510 and 1531 Pumps

Packing to Single Mechanical Seal

To convert the above pumps from packing to a single flushed mechanical seal, begin by removing the coverplate/bearing frame assembly from the volute then remove the impeller and the stuffing box bracket along with the packing. Removal of the shaft sleeve will complete the disassembly procedure.

Reassembly Procedure: Clean the pump shaft in the area where the shaft sleeve will locate with fine grade emery cloth, install the new shaft sleeve using the Loctite® compound furnished. NOTE: If the sleeve being installed has an undercut or an etched line, this marking should be located toward the impeller. Apply Loctite compound to the pump shaft and install the sleeve with a twisting motion to insure even distribution. Allow the Loctite fifteen minutes to set. Insert seal carbon in seal cap and slip onto shaft. Lubricate the “o” ring of the rotating seal member with silicone grease or soapy water. **DO NOT USE PETROLEUM LUBRICANT!** Slide seal assembly over shaft sleeve and lock collar in place. For 1 1/4" seals, the collar should be 1 13/32" from the impeller end of the shaft sleeve. For 1 5/8" seals, the distance should be 1 1/4". Assemble volute coverplate to bracket. Carefully place seal cap with carbon insert in position against rotating seal member and bolt in place. Connect flush tubing to seal cap. Complete re-assembly by reversing removal instructions.

