

Unitized Seal Installation Procedures

Read and follow these procedures completely before installing seal to avoid damaging seal.

1. Check seal mounting bore in pump and seal O.D. to be sure you have the proper sized seal for the pump housing. The seal should be a press-fit into the housing or mounting bore. Make sure this bore is clean and smooth, if not apply some anaerobic or RTV gasket maker on the O.D. of the seal before installing the seal.
2. Check the shaft O.D. where the seal locates and the seal I.D.. Be sure you have the proper size seal for shaft. The seal I.D. press-fits onto the shaft to provide the seal between the shaft and the seal seat. If the shaft is eroded considerably it will not provide a press-fit for the seal seat to mount on. If this is the case the shaft will have to be replaced or repaired. If the shaft is eroded but can still provide a sufficient press-fit for the seal to mount on, apply a small amount of anaerobic gasket sealer to the shaft surface before installing seal.
3. Pump Assembly
 1. Install pump shaft
 2. Install pump seal
 1. Press pump seal, **DO NOT DRIVE WITH HAMMER**, onto pump shaft and into pump housing using seal installation tool. You must use an appropriate tool to avoid damaging seal and to provide proper seal pre-load.
 3. Install hub or pulley
 4. Install impeller

For proper seal preload refer to the specs for the installed height of the seal.

