

## INSTRUCTIONS FOR PUMPS EQUIPPED WITH CERAMIC OR TUNGSTEN CARBIDE SEAL INSERT

1. Remove impeller, old seal assembly, insert and insert gasket.
2. Clean shaft, shaft sleeve and insert recess thoroughly. Install new insert gasket and insert. (Do not drop or chip ceramic).
  - a. If replacement seal is 1-1/4" with a cup insert gasket, make certain that the insert retaining ring is also removed.
3. When pump and motor shafts are separate, push pump shaft forward from rear of bearing assembly to take up end play. Maintain this position while pressing seal firmly in place.
4. Moisten inner diameter of seal ring assembly with soapy water and press down firmly on pump shaft. Carbon seal face must be tight against insert.
5. Replace impeller and reassemble in line. BE SURE TO VENT AIR FROM PUMP BODY THOROUGHLY BEFORE OPERATING.