

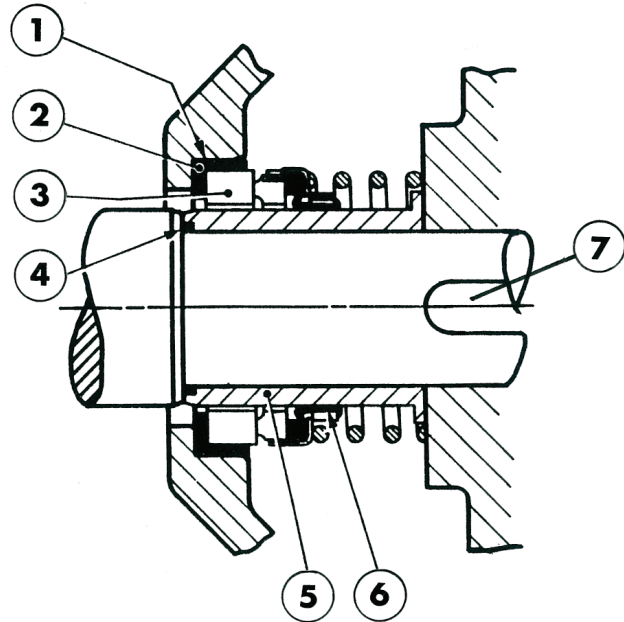
Important Advice

New Mechanical Seal components must be handled with great care, in particular, the seal faces must not be touched by hand and must only come into contact with clean soft paper that is free from abrasive materials. Premature seal failure is likely to occur if this advice is not heeded.

These instructions apply to the following mechanical seal kits:-

- D80** (Pt No. 0800094000)
- D100** (Pt No. 0800094000)
- H80** (Pt No. 1800095000)

- A. Thoroughly clean recess in pump body (1) and also the surrounding surfaces. Smear lubricant (soap solution or washing up liquid, but not oil or grease) in recess and also on outside diameter of rubber joint ring (2). Using several layers of clean soft paper to protect the sealing face, press seat (3) into recess by applying even finger pressure. Make sure that the highly polished sealing face is on the impeller side of the recess, that the new joint ring has been used and that the seat is positioned directly against the shoulder at the bottom of the recess.
- B. Smear soap solution on drive shaft diameters and O ring (4). Position on shaft taking care to prevent it contacting the shaft's keyway if applicable. If a new shaft sleeve is being used, ensure that it is capable of sliding freely along the shaft and correctly trapping the O ring in the recess provided.



- C. Smear soap solution on outside diameter of shaft sleeve (5) and inside diameter of rubber drive band (6). Protect the highly polished face of the seal with several layers of clean soft paper and slide seal - assembly onto sleeve using finger pressure only - USE NO TOOLS. The seal must be positioned so that the carbon face is about 3mm past the non-flanged end of the sleeve.
- D. Within a few minutes, to ensure that the soap solution has not set, slide sleeve assembly on to shaft (seal face towards stationary seat) and press into working position using only the sleeve's flange. This procedure automatically causes the seal head to slide along the sleeve into its correct working position.

Ensure that O ring (4) is correctly trapped in sleeve recess and that sleeve abuts against shoulder on shaft.

- E. Push mechanical seal spring onto location diameter provided on seal head. Ensure that the spring's coils are correctly supported by the flange of sleeve (5) and will not become trapped between the flange and the impeller. Refit key (7) if applicable, and impeller in accordance with instructions in pump's manual, if applicable.
- F. Note that design of the D Range Mechanical Seal Seating differs slightly - refer to pumps manual.

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