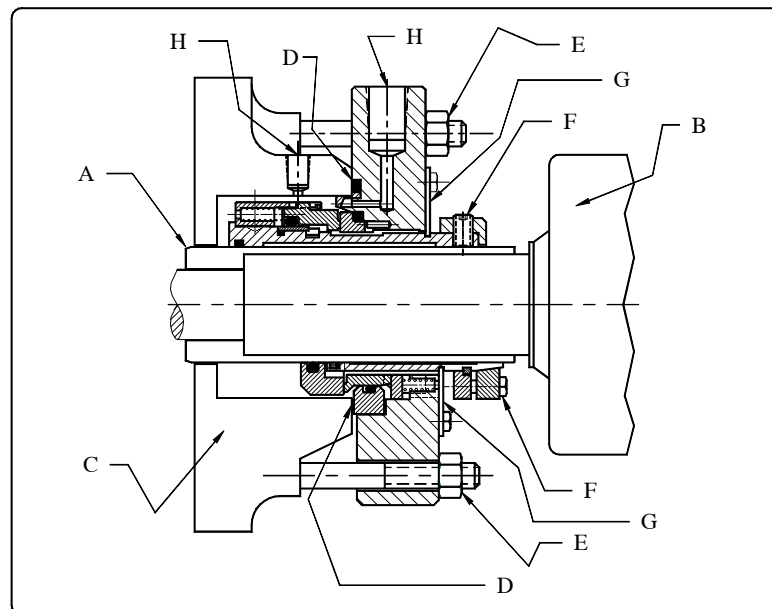


## Cartridge Seals Installation

- 1) Study Assembly drawing of seal to be installed – the drawing is always enclosed with seal. Any specific instructions showing on seal drawing overrule this general purpose instructions.
- 2) Verify seal chamber face to be flat and smooth, shaft to be in proper condition.
- 3) Verify that pump, shaft and seal chamber meet accepted specifications and norms of concentricity and squareness.
- 4) Verify that shaft or sleeve (A) leading edge is smooth, rounded or chamfered to prevent o-ring damage.
- 5) Thoroughly clean shaft and lightly grease leading edge with silicon based grease or liquid soap.
- 6) Install and carefully slide seal assembly toward bearing chamber (B).
- 7) Install pump's back-plate (C) (or seal chamber assembly) and secure in position.
- 8) Verify final positioning of shaft. No shaft movement is allowed after seal is secured!
- 9) Move seal to contact (D) with seal chamber face.
- 10) Tighten nuts (E) equally around. In the absence of torque specifications on seal drawing use accepted "normal" force. When clamped parts are not metallic (Ceramics and Carbides) use extra caution in equally applying a reasonable load.
- 11) Tighten setscrews (F) firmly and equally around.
- 12) Swing setting tabs (G) away and secure (these tabs must be engaged in position before seal removal!). Note: Some seals are "Mount and Start" designs with no setting tabs to remove.
- 13) Verify proper installation of piping (H). Plug unused ports.



p/n IS200 , Revision , Date 30/4/2002, Approval\_\_\_\_\_

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