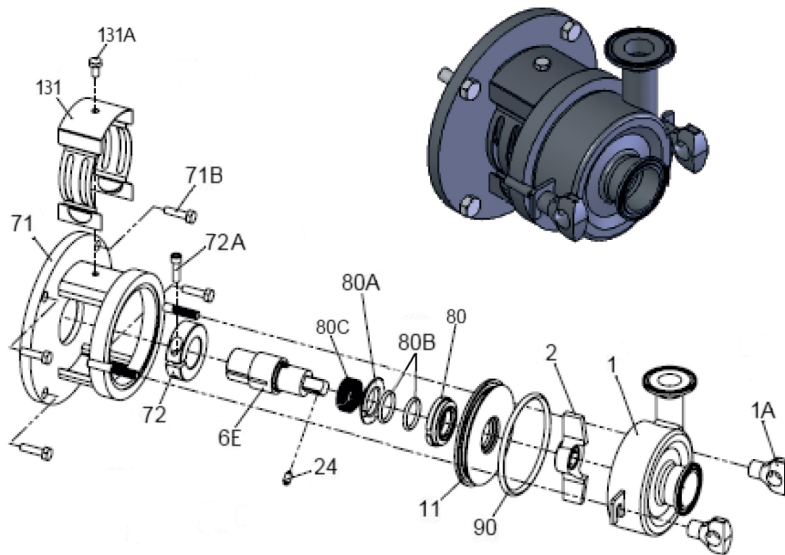


BP-C100MD Seal

Instructions

- 1) Disconnect and lock out the power to the pump
- 2) Disconnect any hoses or piping from the pump and drain any liquid
- 3) Loosen the two wing nuts (1A)
- 4) Turn the casing (1) 30 degrees CW to disengage the tabs and pull it forward off of the pump adapter
- 5) Center the impeller pin (24) in the shaft (6) and then remove the impeller (2)
- 6) Remove the impeller pin (24) from the shaft (6) and put it in a safe place
- 7) Remove the back plate (11) to expose the seal assembly
- 8) Remove the carbon seal (80), o-ring (80B), high pressure back up ring, cup (80A) and spring (80C) NOTE: The high pressure back up ring is optional so you may not have one and it is not shown in the drawing
- 9) Clean and inspect the sealing surface on the back plate (11) If it is damaged replace or have it faced at a machine shop. **DO NOT TRY TO SAND OR FILE THE SURFACE**
- 10) To re assemble the pump first loosen the shaft retainer screw (72A) this will allow the shaft to move backwards.
- 11) Assemble the seal by putting together the carbon seal (80), o-ring (80B), option backup ring, cup (80A) and spring (80C). Put a little sanitary lubricant on the o-rings before installing them. Do not get lubricant on the face of the carbon seal (80)



- * Included in standard seal kit
- ** Optional high pressure back up ring



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BP-C100MD Seal

- 12) Slide the seal assembly on to the shaft, The whole seal must be put together on the shaft taking care that the groove of the cup be directed to the pin of the shaft. This keeps the o-ring in the carbon piece, in its place



- 13) Reinstall the back plate, impeller and casing and tighten the casing nuts.
- 14) Push the shaft forward to compress the seal spring fully making sure that the groove still aligns with the shaft pin.
- 15) Tighten the shaft collar screw (72A)
- 16) Turn the shaft by hand to make sure there is no binding or metal parts touching



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