

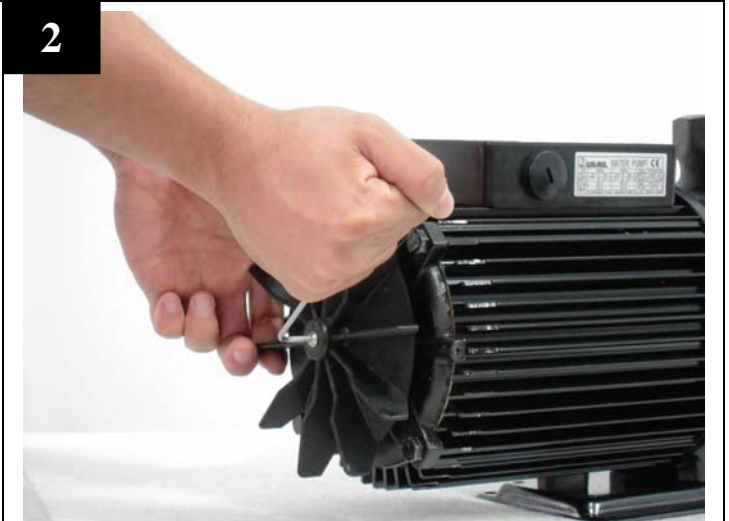
# Replacing TPH8-12T Series Mechanical Seal

## 1. Removing mech seal.

WI-D3-S-B006E-1



Loose the screws and remove the motor fan cover.



Using Allen wrench to remove the motor fan.



Using Allen wrench (metric size) to loose the stud bolts and remove pump cap.



Using wrench to loose the lock nut.



Remove all impellers, sleeves and inter-mediate chambers and place them in order.



Remove the cap.

7



Remove the spring and washer.

8



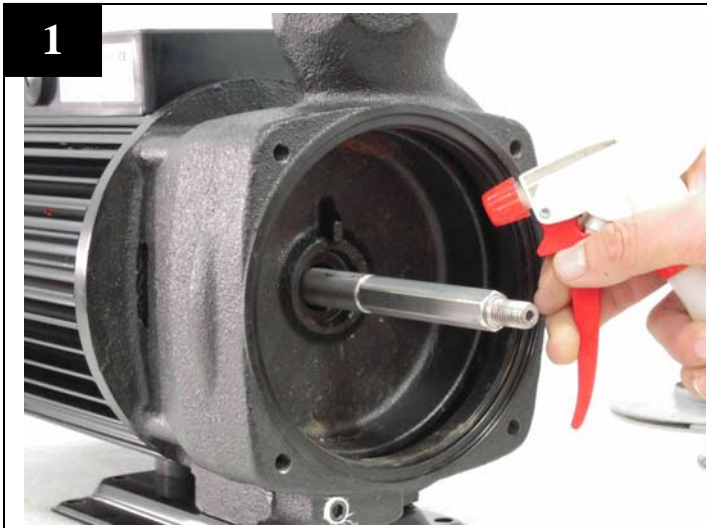
Remove the rotary parts of mechanical seal.

9

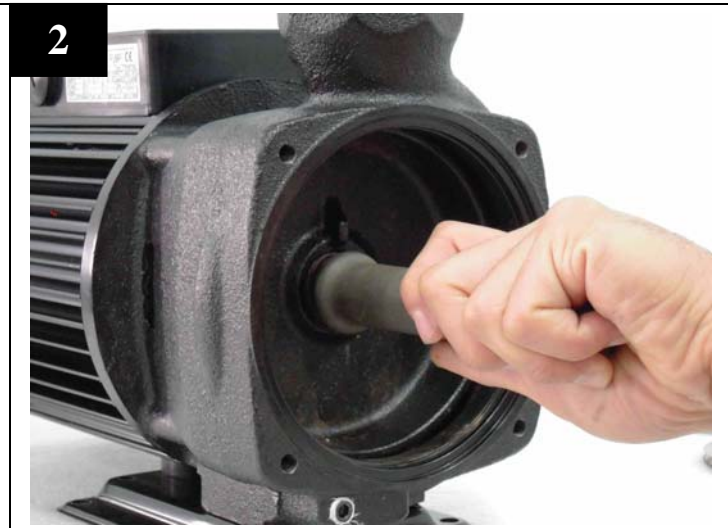


Remove the stationary part.

## 2. Assembling mech seal.



1 Spray water on the shaft as lubrication.



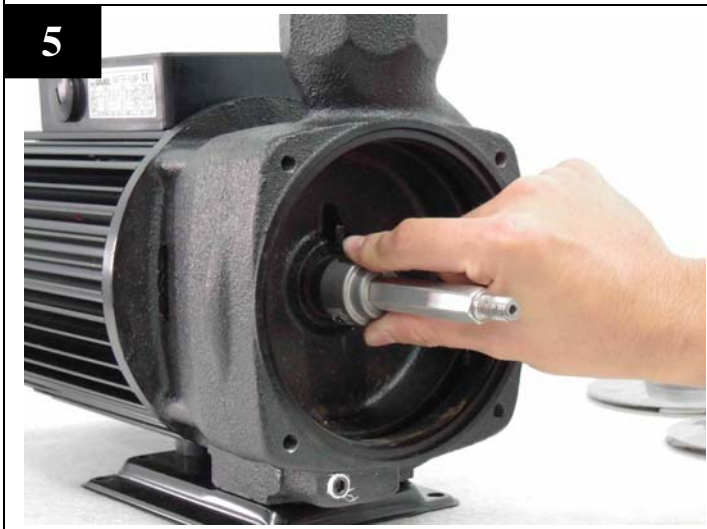
2 Place the stationary part in position and press in.



3 Before press in rotary parts, insert the sleeve through the hex shaft aligning the slots on sleeve to tabs on washer.



4 Remove the cap and press in rotary parts.



5 Place the spring and cap onto rotary parts.



6 Place back all impellers, sleeves and inter-mediate chambers in order.

※Please new gasket on inter-mediate chambers

7



Place the lock nut.

8



Using wrench to tighten up the lock nut.  
※Torque 180 kgf · cm

9



Place new gasket on inter-mediate chambers.

10



Install the pump cap and Tighten up the stud bolts.  
※Torque 150-170 kgf · cm

11



Install the motor fan.  
※Torque 10 kgf · cm

12



Install the motor fan cover.  
※Torque 25 kgf · cm