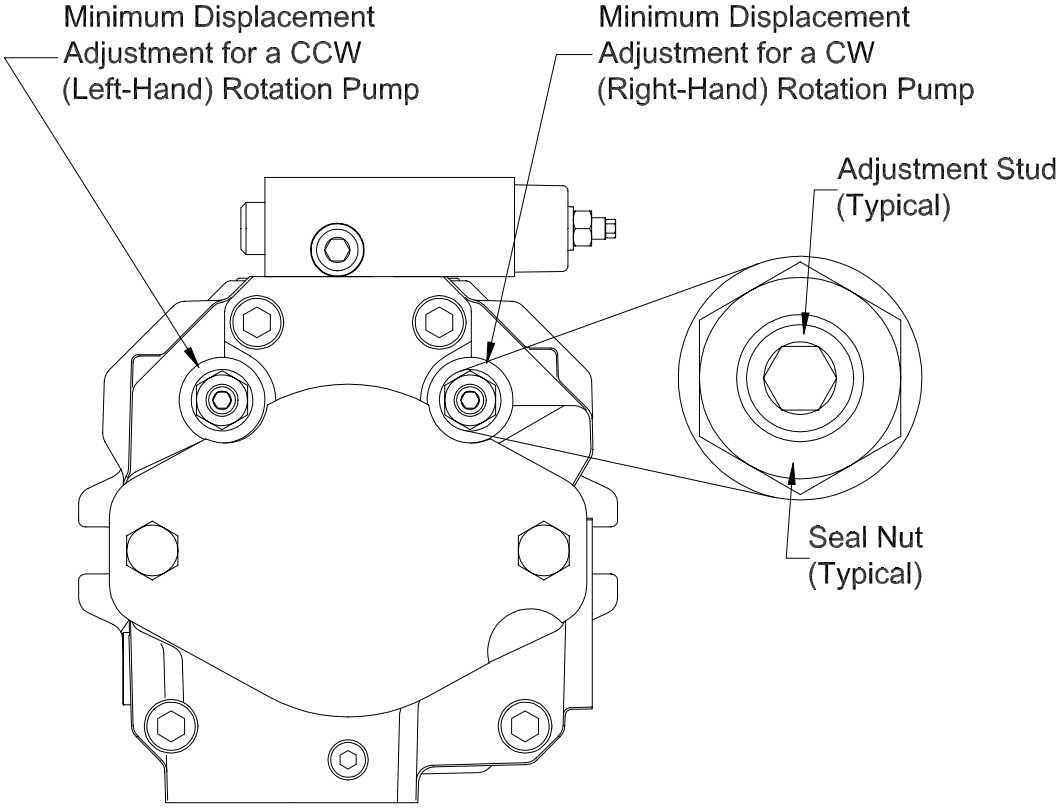
Note: This Service Bulletin is ONLY valid for single HPR-02 pumps



Tools/Equipment Required:

- 19mm closed-end wrench
- 6mm Allen wrench

Adjustment Procedure to Set the Pump at Minimum Displacement:

Note: This procedure is ONLY intended to be used if the pump minimum displacement setting has been altered or if the stand-by pressure is unusually high,

1. With the prime mover **OFF**, disconnect the load sense line from the pump control block.
2. Securely plug the end of the load sense line.
3. Leave the load sense port on the pump control block vented to atmosphere.
4. Start the prime mover and adjust it to high idle.

5. To Adjust the Pump Minimum Displacement:

   a. Use the figure above to determine where the "Minimum Displacement Adjustment" is for the rotation of your pump.

   b. Hold the adjustment stud stationary with the 6mm Allen wrench.

   c. Loosen the seal nut with the 19mm wrench.

   d. Slowly turn the adjustment stud **OUT** until you feel it lose contact with the stroking piston inside of the pump.

      WARNING:
      The minimum displacement adjustment stud is NOT restricted from being removed completely from the pump. Care must be taken to insure you do not remove the adjustment stud completely from the pump.

   e. Slowly turn the adjustment stud **IN** until it just touches the stroking piston inside of the pump.

   f. Then turn the adjustment stud **OUT** 1/4 turn.

   g. Hold the adjustment stud stationary with the 6mm Allen wrench and tighten the seal nut with the 19mm wrench (The proper torque for the seal nut is 60 N-m [44 ft-lb]).

6. Turn the prime mover **OFF**.

7. Unplug the end of the load sense line and reconnect it to the load sense port on the pump control block.

Note:
To *decrease* the minimum displacement, turn the adjustment stud **OUT**
To *increase* the minimum displacement, turn the adjustment stud **IN**