

## **PRESSURE SETTING PROCEDURES**

**For EcoRich Hybrid Hydraulic Unit  
Model: EHU3007-40-N-902**

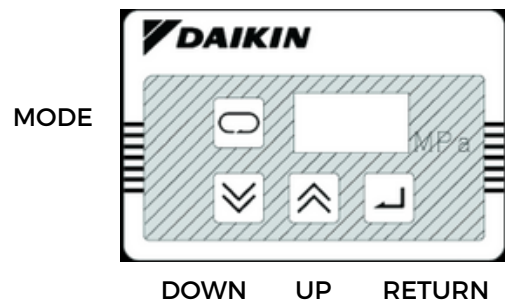
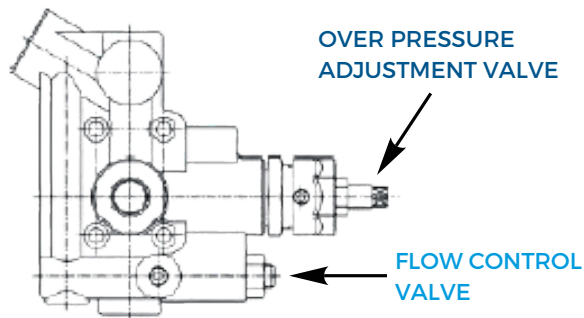


### **ITEMS NEEDED TO SET ECO-RICH:**

1. Screwdriver
2. Crescent Wrench

**The following steps must be completed before any settings and adjustments are made to your EcoRich EHU3007-40-N-902:**

1. Connect 3 phase power. (200 VAC ~ 230 VAC)
2. Fill oil reservoir to correct oil level. (Oil weight ISO32 ~ ISO 68)
3. Connect pressure and return lines.
4. Connect alarm wires from machine (most machines do not require this step).
5. Turn power on to machine and hydraulic unit.
6. Make sure machine is in a standby state and is not actuating any valves or cylinders.



## SETTING THE PRESSURE

1. Break the **OVER PRESSURE ADJUSTMENT** locknut free, using a crescent wrench. Turn the **OVER PRESSURE ADJUSTMENT VALVE** clockwise until the adjuster bottoms out, making sure that the locknut is not preventing you from bottoming out the **OVER PRESSURE ADJUSTMENT VALVE**.
2. On the control panel, press the MODE and RETURN keys simultaneously and hold them for 2 seconds to get into parameter mode. You should see "P00" flashing on the screen. Use the UP key and scroll to "P13" and press RETURN. "P13" is the pressure setting parameter.
3. You will now see "PL.0" on the screen.
4. To set the pressure, press the UP or DOWN key (acceptable pressure range is 1.5 MPa ~ 7.0 MPa) and then press the RETURN key.
5. Now you will see "QL.0" on the screen. Press RETURN until you see "P13" on the screen again.
6. Press the MODE key and the screen will show your desired pressure setting.

## SETTING THE MOTOR RPM

1. Press the MODE key to get into monitor mode. You should see "N00" flashing on the screen.
2. Use the UP or DOWN key to scroll to "N05" then press RETURN. On the control panel, you will see your motor RPM represented by a 2 or 3 digit number on the screen. Note that for the motor RPM, the last digit is dropped from the control panel screen. For example, if the screen shows "122" add a zero to the end to get the RPM. In this case, 1220 RPM.
3. Loosen the **FLOW CONTROL** locknut free.
4. Take a flathead screwdriver to adjust the **FLOW CONTROL VALVE**. Slowly turn the **FLOW CONTROL VALVE** clockwise to lower or counterclockwise to increase, until the motor RPM on the control panel shows 38, which is 380 RPM.
5. Lock the **FLOW CONTROL** locknut down. The motor RPM is now set.

## SETTING THE OVER PRESSURE VALVE

1. With the motor RPM shown on the control panel screen, take a crescent wrench and slowly turn the **OVER PRESSURE ADJUSTMENT VALVE** counterclockwise until you see the motor RPM rise above your setting of 38 (380 RPM).
2. Stop turning once you see the RPM rise and turn back to the setting just before the breaking point where the motor RPM rose above 38.
3. Turn the **OVER PRESSURE ADJUSTMENT VALVE** 3/4 of a revolution clockwise. Note that if the **OVER PRESSURE ADJUSTMENT VALVE** bottoms out before you can turn 3/4 of a revolution, take the distance that you can turn it until it bottoms out, then divide it by half. This is the amount that is needed to turn the **OVER PRESSURE ADJUSTMENT VALVE** back in clockwise. Do not leave the **OVER PRESSURE ADJUSTMENT VALVE** bottomed out, as it will not operate correctly.
4. Lock the **OVER PRESSURE ADJUSTMENT** locknut down.
5. Press the MODE key. This will bring you back to your desired pressure setting.
6. Your EHU unit is now ready to run.