

Technical Bulletin

Partisol 2025i 2025iD Low Pump Pressure Troubleshooting

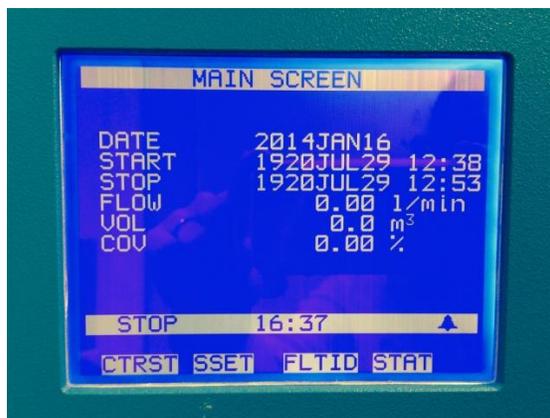
How to Troubleshoot Low Pressure Issues

Bulletin# TS0043

Rev 05/2014

Use this if there is a filter exchange error: Error State 10. A common cause for this error is a restricted filter on the vacuum vent valve. A restricted filter can limit the pump pressure for a successful filter exchange.

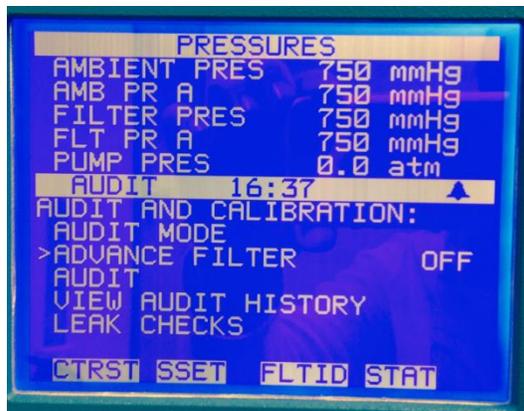
1. Remove the pump compartment cover.
2. Monitor pump pressure:
 - A. Start with the main screen populating the entire display (this is how the display looks when the sampler is first turned on):



- B. Scroll through the screens using the up and down arrows until the pressures screen is visible:



- C. Bring up the main menu (press the menu button) and it will populate the bottom half of the screen while the pressures screen is still visible in the top half:

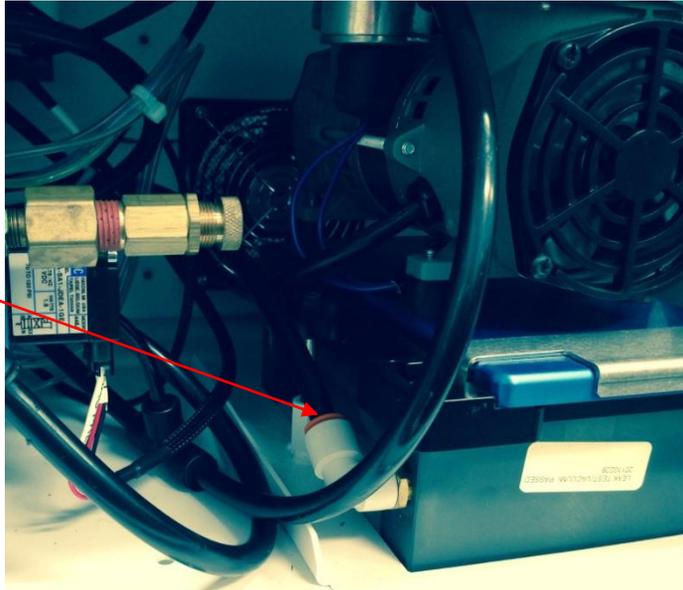


- D. Execute a filter change (either in audit or service mode) and watch the pump pressure while the filter change is occurring. This number should increase.

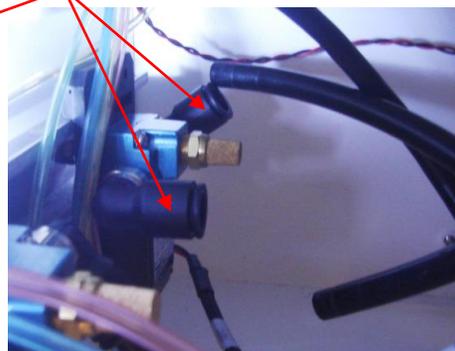
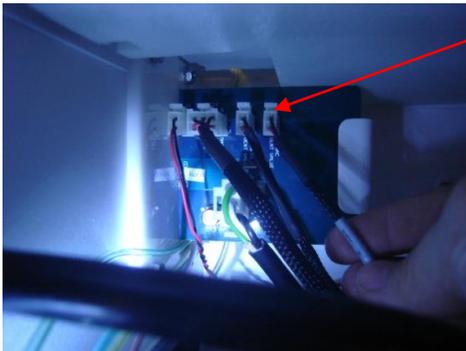
NOTE: If the pressure reading does not rise above 0.0 refer to the Pump Pressure Fix Technical Bulletin (TS0041). When you are sure the pressure tubing is attached to the correct transducer as in TS0041 and the pump pressure is still very low preventing the FSM from exchanging a filter, proceed to step 3.

3. Disconnect the tubing connecting the accumulator to the common of the vacuum vent valve:

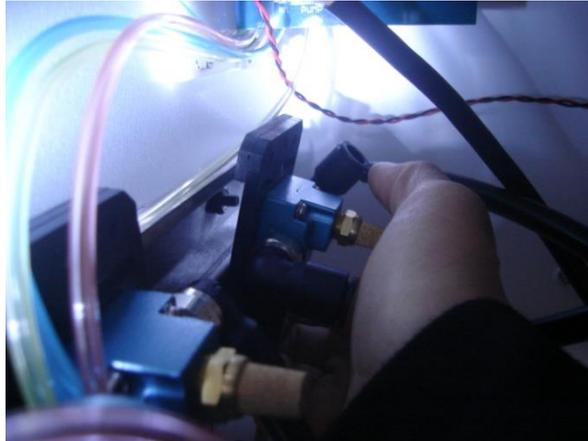
Remove the tubing here



4. Execute a filter change (either in audit or service mode) and watch the pump pressure while the filter change is occurring. This number should increase.
 - a) If the filter change is not successful (there should be a status alarm; Error State 10) the filter on the vacuum vent valve should be replaced. There are two choices for replacing this filter;
 1. Replace with same sintered filter, P/N: 32-002693.
 2. Upgrade this filter to the disposable filter configuration:
 - a. Secure a Sintered Filter Upgrade Kit, P/N: 55-012146
 - b. Power down instrument and remove Vacuum Vent Valve from DIN rail inside the pump compartment;
 1. Disconnect power cable from back board and tubing on both sides:



2. Pull up on valve assembly to remove from rail:



3. Remove sintered filter:



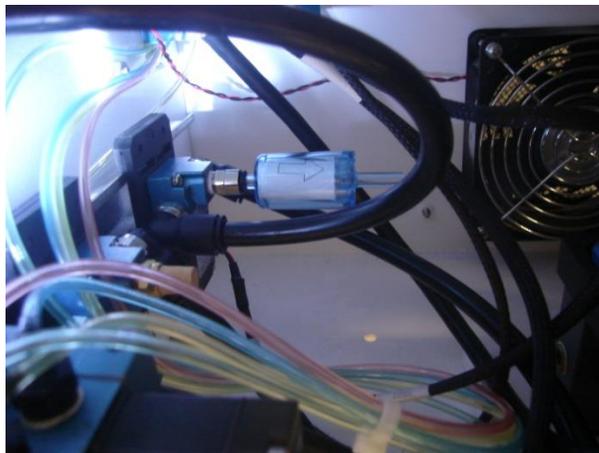
4. Install adapter fitting (P/N: 32-012145) from kit:



5. Install disposable filter (P/N: 32-000380) from kit:



6. Reinstall valve in instrument:



- b) If the pump pressure remains the same either the pump still is not providing enough pressure or you may have a leak through the manifold assembly or through one of the common lines to the lift, push or shuttle cylinders. Try pinching off each common line one at a time to isolate the cylinders.

- c. If there is no change after pinching off the small lines to the cylinders then replace the manifold assembly (P/N: 54-011577):

