Inspect the Drum Vacuum Pump (DVP) Assembly

Applies to ThermoFlex

Background The efficiency of the Drum Vacuum Pump is dependant on being kept clean and within the correct operating temperature. This procedure outlines the steps necessary to accomplish this.

Tools and parts

- 4mm Allen Key
- Thermometer

Steps

1. Verify that the ambient temperature, near the DVP cooling intake cover, is maintained below 40°C. This should be monitored during extended operation of the Drum Vacuum.
2. Verify that the area around the DVP is free from debris which could be sucked into the intake filter and impede proper cooling.
3. Using the 4mm Allen key, remove the screws from the side cover of the DVP where the air filter is located.
4. Inspect the air filter element, and replace it if necessary (see TF PM proc-DrumvacReplaceFilter 72-3435A).
5. Using the 4mm Allen key, remove the14 screws from the DVP cover. Lift the cover from the DVP and put it down gently.
6. Verify that the inside of the DVP chassis is free from debris. If not, clean out the chassis with a vacuum or damp and dry cloths.
7. Verify that the fan activates when the DVP is running. If not, check for any loose wiring. Refer to Trouble_DrumvacPumpCoolingFanInoperative.doc.
8. Re-install the side and top covers.

Notes This procedure may require the help of a second person. Lifting of the DVP cover is not feasible with only one person.

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