Replace Air Filters

Applies to

ThermoFlex

Background

Regular replacement of the filters will help to keep the machine running efficiently and problem free while maintaining image quality.

Tools and parts

- Flat head screwdriver
- Allen key – 4mm
- Filters needed

Creo P/N	Vendor P/N
55-0346	-
55-0214	SE-02 (Pisco)
55-0856	-
55-0234	FRP-96-639 (Wilkerson)
55-0325	FRP-96-646 (Wilkerson)
55-0326	FRP-96-650 (Wilkerson)
82-1027	-

Steps

1. Turn off the machine.
2. Remove the Fan Box access panel and press the orange trigger to shut off the air supply.
3. Lift up and lock the table.

Replacing the intake filters in the Power Box and Fan Box:

1. Using a flat screwdriver, remove the two filter panels located at the back of the machine, one from Power Box side the other from the Fan Box side.
2. Replace the intake filters with Creo P/N 55-0346 filters (the filter side with metal mesh must face the inside of the machine).
3. Replace the filter panels.

Replace the Table Vacuum Generator filters:

1. Unscrew the protective shield from all three vacuum generators located underneath the table.
2. Replace the filters with Creo P/N 55-0214. (Note: There are two parts for each filter, look inside the shield and remove both).
3. Replace the protective shields.

Steps continued

Replace the Compressed Air filters:

1. Remove the Fan Box access panel. Remove the air filters one by one to assure that you replace the correct filter with accompanying grommet.
2. Remove the plastic bowls by pushing up, rotate a quarter turn counter clockwise and pull down.
3. Inspect the bowls for damage and oil or water contamination. Clean if necessary with a cloth. Note: Contact Creo service if there is oil or water found – the customer's air supply will need to be inspected by qualified personnel. To remove the filters, turn them counter clockwise until they are completely removed.
4. The correct filter order (from left – Air Supply In):
   55-0324 5mm particulate filter
   55-0325 0.01mm coalescing filter
   55-0326 0.003mm adsorption filter

Replace Drum Vacuum Pump filter:

1. Remove the 10 screws, using a 4mm allen key, from the side cover of the Drum Vacuum Pump (DVP) which encloses the air filter.
2. Remove the side cover from the DVP.
3. Slide out the air filter and replace it with a new filter (part# 55-0856).
4. Re-attach the side cover and secure into place with the 10 screws.

Replace Desiccant filter:

1. Remove the four screws holding the desiccant box cover.
2. Replace desiccant filter with Creo P/N 82-1027.
3. Replace the cover.

System check:

1. Turn on the air supply.
2. Close the table and re-install all the panels with the exception of the fan box panel.
3. Turn on the power.
4. Verify that the air supply pressure is 80psi (552kpa) before and during ThermoFlex operation. The regulator gauge, seated with the line filters, should agree with the reading obtained from the diagnostics by typing "> ale".

Steps continued

Humidity check:

The humidity inside the head must be between 0% and 30%. Assure that the humidity settings are correct by issuing the "> set head humidity" command. It should be set to 30 (for 30%).

1. Let the machine run for 0.5 hr.
2. Lift the table and check the humidity level indicator on the desiccant box – light blue indicates OK and pink indicates that the desiccant filter needs to be replaced.
3. If the indicator is blue, close the table and type the diagnostics command: >set head vb 2
4. Monitor the diagnostic output readings; they indicate the humidity level inside the head. If the humidity is above 30%, but the desiccant filter has been just replaced, it may take a few hours for the humidity level to drop.

Note: High humidity may impact the image quality of the head. If the humidity is high, wait until it drops down to about 10% and verify image quality.

Notes

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