Change filter for PCX

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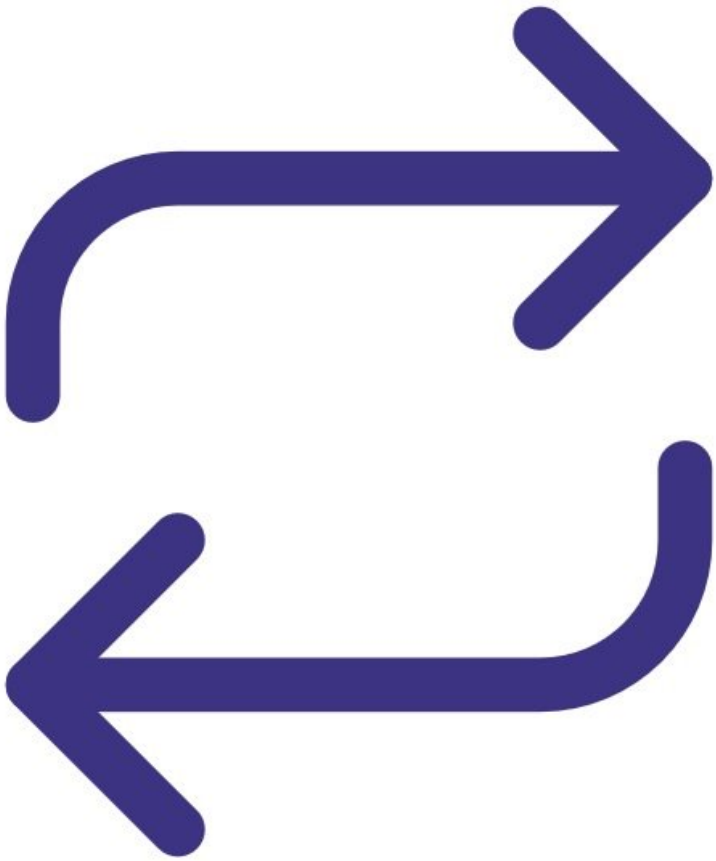

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INTRODUCTION

The PCX module has a filter which periodically needs to be replaced. Click here for the maintenance schedule.

TOOLS:

- Large flat head screwdriver (1)

PARTS:

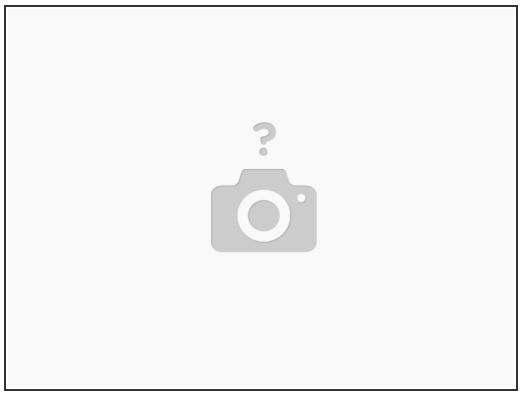
- Filters for PCX (1)

Step 1 — Enter service mode



- Enter service mode so any fluctuations in the data caused from this activity can be excluded from air quality reports.

Step 2 — Disconnect pump



- Disconnect power from the PCX module

Step 3 — Change filters

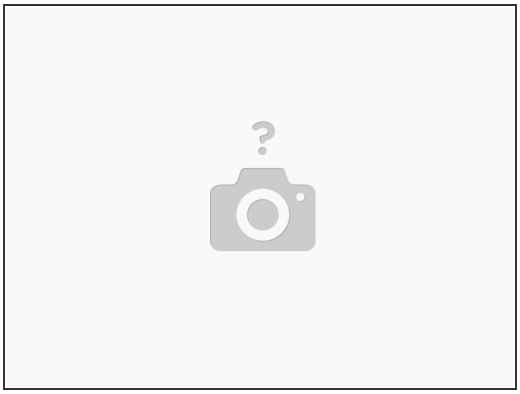






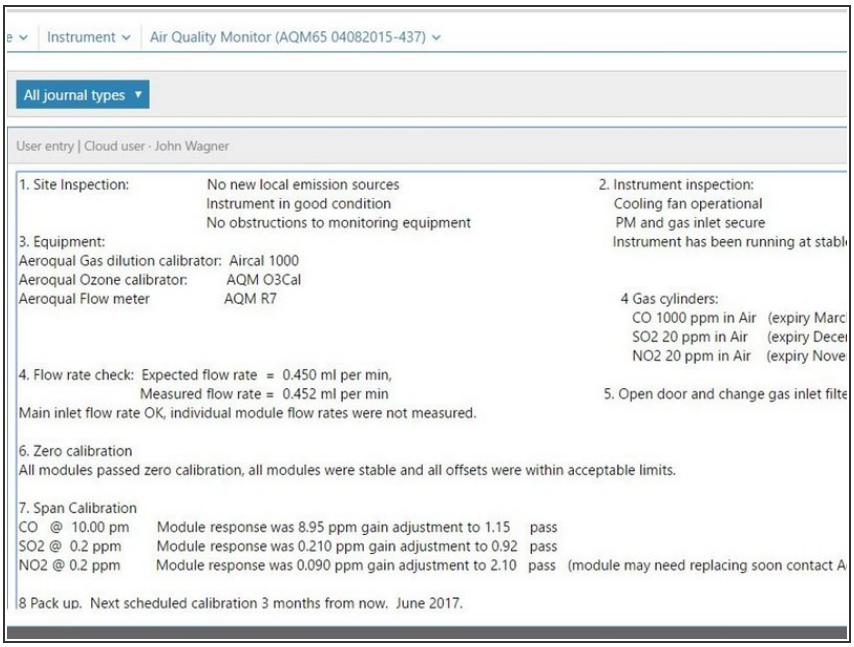
- The filters for the PCX are located inside the module. The front panel has a round filter holder at the bottom. Unscrewing the filter holder reveals the filter.
- If required, you can use a large flat head screwdriver to unscrew the filter housing on the front panel of the optical module.
- Replace the filter and reinstall the filter holder, tightening until the filter holder bottoms out.
  - **Use a large flat headed screwdriver to fully tighten the filter holder.** Failure to fully tighten the filter holder may result in dust bypassing the filter and damaging the flow sensor and pump.

Step 4 — Reconnect pump



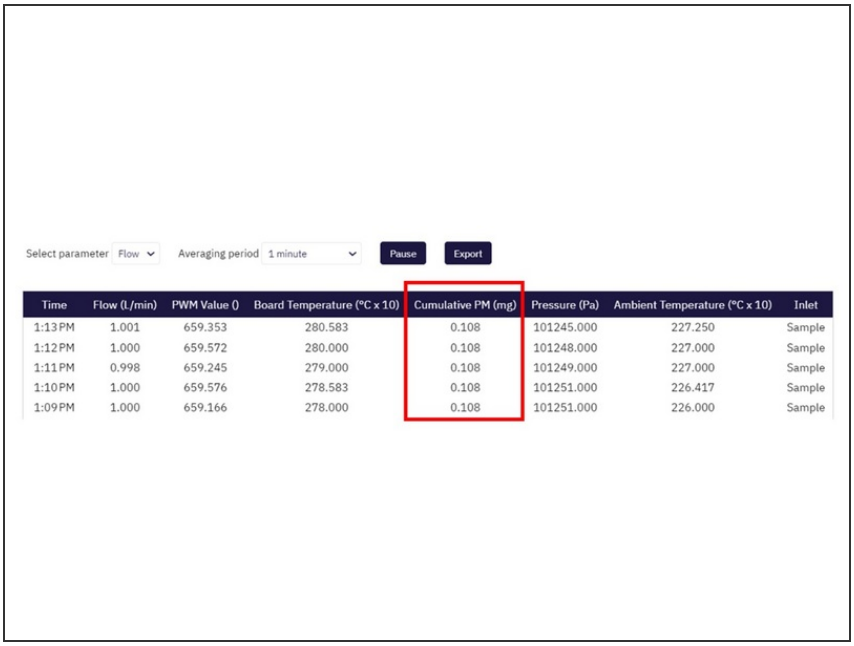
- Reconnect power to the PCX module.

Step 5 — Record in journal



- Record the results of this service activity in the monitor's journal.
- Exit service mode.

Step 6 — View cumulative PM

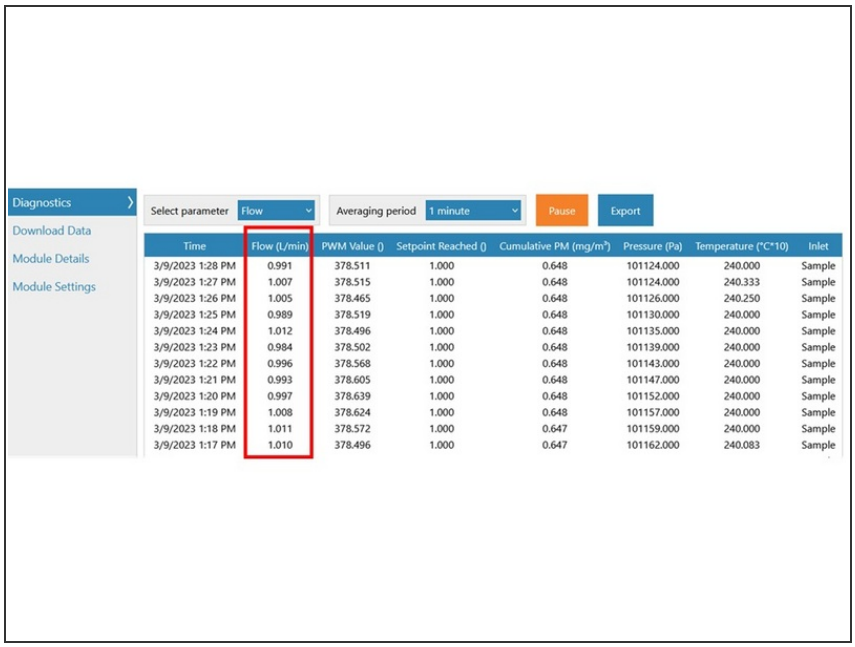


ⓘ The PCX module can assist you with determining the required service interval as it records the

amount of particulate that has passed through the system

- Click on the ‘Diagnostics and Advanced’ page
- Click on the ‘Diagnostics' tab
- The fifth column shows how much PM has passed through the device in mg.

Step 7 — Check inlet flow



ⓘ The PCX module has a factory integrated flow sensor will automatically check and maintain the flow rate of the module.

- For a current reading, navigating to the monitor’s page in Aeroqual Cloud
- Go to the ‘Diagnostics and Advanced’ page
- Go to the 'Diagnostics' tab
- Select the 'Flow' parameter
- The target flow rate of the PCX module is 1.0 ± 0.05 LPM

For further support, contact Technical Support.