

Clean sharp cut cyclone

Written By: Tanya Taylor



INTRODUCTION

The sharp cut cyclone uses a small particle trap to collect particle sizes above the sharp cut size of the cyclone. The trap needs to be emptied and cleaned for optimum operation of the particle monitor. The inside surface of the inlet system also needs to be cleaned.

To understand how often you should perform this service activity, click here.



TOOLS:

- Can of compressed air (1)
- Isopropyl alcohol (1)
- Lint-free wipes (1)
- Allen key (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 — Clean particle trap



- Detach the TSP head from the sharp cut cyclone.
- Screw the particle trap off the cyclone.
- Tip out the particles inside the particle trap.
- Clean the particle trap with compressed air.

Step 3 — Disassemble cyclone





- Use a 3/32 allen key to disassemble the cyclone.
- (i) The cyclone separates in to 2 pieces.

Step 4 — Clean cyclone



- Clean each piece with compressed air.
- Use a lint-free wipe to clean the inside surfaces of the cyclone.
- Put some IPA on a lint-free wipe to further clean residue from the inside of the cyclone.
- Reassemble the cyclone using the allen key.
- Replace the particle trap.

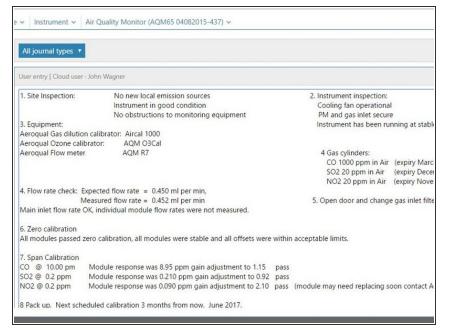
Step 5 — Clean TSP head





- Use the same allen key to disassemble the TSP head.
 - (i) The TSP head separates in to 2 pieces.
- Clean the pieces with compressed air.
- Reassemble the TSP head using the allen key.
- Attach the TSP head to the cyclone.

Step 6 — Record in journal



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

Step 7 — Video of steps



 To see the cleaning process, watch this video.

For further support, contact <u>Technical Support</u>.

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