Commercial Ongoing Maintenance

CCW300A, CCW300 & CCW500 · https://clearcomfort.com/support/commercial-ongoing-maintenance/

1. Cartridge Exchange(s)

Frequency: Annually | Takes 15 Minutes

- Remove and replace Cartridge(s)
- Record install date on Cartridge label
- Replace included Air Check Valves (required for warranty)
- Confirm Air Check Valve arrow points **toward** plumbing
- Use included packaging & label to return old Cartridge for recycling

2. Check Valves, Diffusers & Air Tubing

Frequency: Monthly | Takes 5 Minutes

- Inspect Diffusers *(rod or disc)* for fouling or backpressure
- Inspect Air Tubing and Fittings for:
  - Kinks, cracks or leaks
  - Air or water leaks
  - Secure connections
- Tighten or replace any worn or loose connections

Note: *Surge pit installations require a check valve to prevent backflow into the AOP system.*

3. Air Flow Setting

Frequency: Monthly | Takes 5 Minutes

- Confirm Air Flow Meter is clean & unobstructed
- Verify LPM matches model specifications:
  - **CCW300A:** 12–14 LPM

- **CCW300:** 23–28 LPM
- **CCW500:** 40–55 LPM

- Adjust as needed to maintain proper gas-to-water ratio

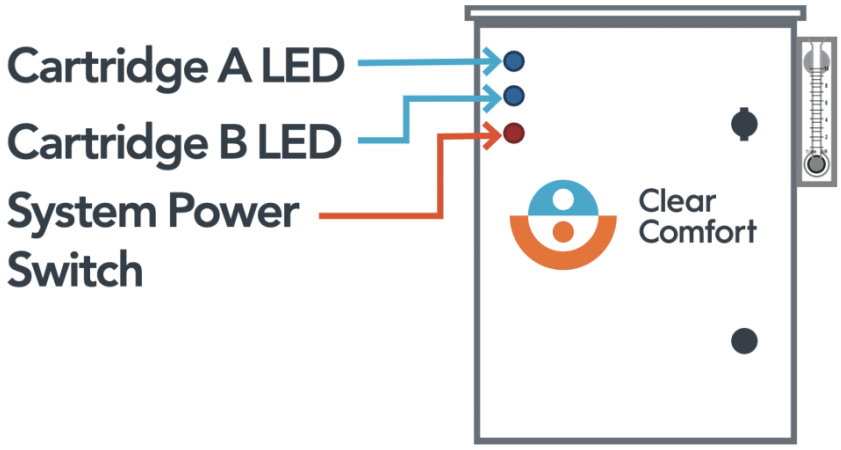
4. LED Indicator Lights

Frequency: Weekly | Takes 1 Minute

- Confirm all LEDs illuminate during startup & operation

CCW300A*, CCW300 & CCW500 Lights:

- **Red LED:** System ON *(System Power Switch)*
- **Blue LED:** Cartridge(s) functioning *(Cartridge A LED and Cartridge B LED)*
  - ***Note:*** *CCW300A has one Blue LED light.*



5. Flow Switch Inspection

Frequency: Quarterly | Takes 5 Minutes

(If Applicable) For Diffuser Rod Installation Kits:

- Verify system activates & deactivates with pump
- Inspect paddle for free movement
- Check for debris or calcium buildup
- Replace switch if operation is inconsistent

6. Air Compressor Inspection

Frequency: Quarterly | Takes 5 Minutes

- Inspect & clean Air Compressor intake filter monthly or as needed
- Clean intake and exhaust grilles as needed; remove pleated filters (if present) to improve airflow
- Install service kit every 18 months
- Replace Compressor after three service kits (~4.5 years)
- Record service & replacement dates

7. Diffuser Maintenance

Frequency: Annually | Takes 10 Minutes

- Remove and inspect diffusers for fouling, scaling or buildup
- Clean with muriatic acid solution (if needed) or replace if airflow is restricted
- Confirm proper airflow & bubble distribution

8. Annual Maintenance Record

Frequency: After Service | Takes 5 Minutes

- Record dates and notes for all completed maintenance
- Maintain access to system manuals & service guides