



Dry Air Cooler / Adiabatic Cooler Maintenance Checklist

10 planned preventive maintenance tasks · Free PDF from PM Assist

A practical starting point for planned preventive maintenance. Always refer to the manufacturer's O&M manual and site-specific requirements.

Visual Checks

- ☐ Inspect coil fins for damage and comb/straighten where bent
- ☐ Confirm no leaks at the coil, headers, and fluid connections

Functional Checks

- ☐ Check fans / EC motors for operation, current, balance, and bearing noise
- ☐ Verify the working fluid level, glycol concentration, and inhibitor condition
- ☐ Confirm the cooler holds its design approach/leaving temperature at load
- ☐ Check controls stage fans and adiabatic operation correctly with ambient

Cleaning & Housekeeping

- ☐ Inspect and clean the finned coil of dust, pollen, and debris
- ☐ Inspect and clean adiabatic pads / spray nozzles (where fitted)

Safety Checks

- ☐ Manage adiabatic water hygiene and any treatment/biocide regime

Record Keeping

- ☐ Record fluid condition, temperatures, and cleaning in the log

Maintenance Frequency

Quarterly

- Check coil cleanliness and fans
- Verify approach temperature
- Inspect adiabatic pads/spray in season

Annually

- Full coil clean
- Glycol/inhibitor test and top-up
- Adiabatic system service and water hygiene
- Controls and staging verification