

Steam humidifier annual maintenance checklist

The annual steam humidifier service is the deep pass: the measurements, cleanings and tests a quarterly round doesn't reach. This checklist keeps the full service on record with the photos that make it defensible later. Work is commonly verified against IMC, manufacturer's published instructions. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The HVAC service tech on the annual humidifier service. When: Once a year, sized around the descaling — mineral buildup is what drops output and cooks the electrodes, and the safeties need an actual trip the quarterly glance skips.

Descale and internals

- ☐ **Cylinder replaced or tank descaled to bare metal**
Disposable cylinder swapped, or the evaporating tank opened and descaled, electrodes or heaters cleared of the mineral shell that drops output and overheats the element. **3 photos required**
- ☐ **Fill cup, level device and valves rebuilt or cleared**
Fill cup, float or conductivity probe cleaned of scale, fill and drain valves rebuilt or cleared so water level and end-of-cycle drain are accurate again. **2 photos required**

Dispersion and duct

- ☐ **Dispersion tube pulled, cleaned and absorption path checked**
Tube removed and ports cleared, duct downstream checked for wetting or corrosion and the absorption distance still clear of coils, filters and turns. **2 photos required**

Controls and safeties

- ☐ **High-limit, airflow proving and humidistat calibrated and tested**
Duct high-limit and airflow proving switch functionally tripped to confirm they cut steam, humidistat compared against a reference reading and adjusted. **2 photos required**