



Electric Boiler 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

- ☐ Check contactors and relays for arcing, pitting, and reliable switching
- ☐ Check electrical connections for tightness and signs of overheating
- ☐ Check for leaks at the boiler body and connections

Functional Checks

- ☐ Inspect heating elements for scale, corrosion, and correct operation
- ☐ Verify thermostat, high-limit, and any safety cut-outs operate correctly
- ☐ Confirm system pressure, expansion provision, and relief valve operation
- ☐ Verify flow temperatures and controls are set correctly
- ☐ Confirm the supply, isolation, and any phase/load balancing are correct

Cleaning & Housekeeping

- ☐ Descale elements in hard-water areas to maintain efficiency

Record Keeping

- ☐ Record element resistance, temperatures, and electrical checks in the log

Maintenance Frequency

Annually

- Element inspection and descale
- Contactor and electrical connection check
- Safety device testing
- Pressure and relief valve check