



Thermal Store Maintenance Checklist

9 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 insulation jacket for damage, wet patches, or gaps
- ☐ Inspect pipework connections and valves for leaks

Functional Checks

- ☐ Check stored water temperature at top and bottom of the vessel
- ☐ Verify temperature stratification is as expected for the system type
- ☐ Check all temperature sensors and thermometers are reading correctly
- ☐ Check expansion vessel pre-charge pressure
- ☐ Verify control strategy on BMS matches design intent

Safety Checks

- ☐ Test pressure relief valve operation

Record Keeping

- ☐ Record stored temperatures, charging times, and system pressures

Maintenance Frequency

Monthly

- Record stored temperatures
- Visual check for leaks and insulation damage

Annually

- Test pressure relief valve
- Check expansion vessel pre-charge
- Review control strategy
- Water quality test