



Thermostatic Mixing Valve (TMV) 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 the valve, strainers, and check valves for scale or debris
- ☐ Confirm the valve is sited to minimise the dead leg to the outlet
- ☐ Check identification and that the valve type suits the application (TMV2/TMV3)

Functional Checks

- ☐ Measure the blended outlet temperature against the set safe value
- ☐ Carry out the fail-safe test — shut off cold and confirm the valve stops flow
- ☐ Check hot and cold supply temperatures feeding the valve are correct
- ☐ Verify the outlet temperature stabilises quickly and holds steady

Cleaning & Housekeeping

- ☐ Clean or replace inlet strainers and service the cartridge as scheduled
- ☐ Descale the valve and outlet where hard-water scaling is present

Record Keeping

- ☐ Record temperatures, the fail-safe result, and servicing in the log

Maintenance Frequency

Every 6 Months

- Outlet temperature check and fail-safe test
- Clean strainers
- Inspect for scale (healthcare: more frequent initial checks)

Annually

- Full service per TMV2/TMV3 scheme
- Cartridge service or replacement
- Descale valve and outlet
- Reverify set temperature