

TMV Service Record

A thermostatic mixing valve (TMV) service record: each valve with its location, outlet and type, set and measured mixed temperatures, fail-safe test, strainers and result, with a warning above 44°C.

1. Visit

Project

Client

Site *

Site address

Service date *

Time

Engineer *

Thermometer and calibration date

Allowed difference from the set temperature ($\pm$ K)

From the valve maker's instructions or your water safety plan. The form sets none; leave it blank to record the difference only.

HSE: where vulnerable people are at risk from scalding during whole-body immersion, water temperatures must not exceed 44°C. Where hot water is stored and distributed hot to control legionella, baths and showers should be fitted with TMVs, and outlet temperatures and TMVs should be monitored and maintained so the controls stay effective. HSE says TMVs need regular routine maintenance by competent people, in line with the manufacturer's instructions.

Sources: HSE HSG274 Part 2 (legionella control in hot and cold water systems) on TMVs and outlet temperatures, the NHS Model Engineering Specification D08 (thermostatic mixing valves, healthcare premises) and the BuildCert TMV2 (domestic, BS EN 1111 and BS EN 1287) and TMV3 (healthcare) approval schemes. D08 sets maximum mixed temperatures for each outlet type that are lower than 44°C for showers, basins and bidets: enter the figure for each valve from D08 or the site water safety plan. D08 asks for in-service checks a few weeks and again a few months after commissioning, then at an interval set from the results.

2. Valves

Valves by room or ward (copy this block for each one)

Room or ward *

For example Ward 4 assisted bathroom or Flat 12

Valves in this room (copy this block for each one)

Outlet in this room *

Scan the valve tag

Scanned in the SiteSurvey app. On paper, write the numbers: asset number, serial number.

Outlet (choose one)

☐ Bath ☐ Shower ☐ Basin ☐ Bidet ☐ Sink ☐ Other

Valve (choose one)

☐ TMV2 ☐ TMV3 ☐ Other

Set mixed temperature (°C)

Measured mixed temperature (°C) *

Maximum mixed temperature for this outlet (°C)

From D08 or the site water safety plan for this outlet type.

Against the outlet maximum (if applicable; worked out automatically in the app)

If applicable: Above the maximum for this outlet type. Reset the valve and retest.

Measured minus set (K) (if applicable; worked out automatically in the app)

Against the allowed difference (if applicable; worked out automatically in the app)

If applicable: Above 44°C. Reset or repair the valve before the outlet is used.

Fail-safe test (cold supply isolated) (choose one)

☐ Pass ☐ Fail

Strainers and check valves cleaned?

☐ Yes ☐ No

Result * (choose one)

☐ Pass ☐ Fail

Action taken (if applicable)

Mixed temperature after adjustment (°C) (if applicable)

Mixed temperature as left (°C) (if applicable; worked out automatically in the app)

The temperature after adjustment if there is one, otherwise the measured temperature.

Photos (valve, tag and thermometer reading) (photos: attach, or note the file names)

This room: valves failed (worked out automatically in the app)

This room: valves passed (worked out automatically in the app)

This room: valves recorded (worked out automatically in the app)

This room: above 44°C as found (worked out automatically in the app)

This room: above 44°C as left (worked out automatically in the app)

This room: fail-safe test failed (worked out automatically in the app)

This room: outside the allowed difference (worked out automatically in the app)

This room: strainers not cleaned (worked out automatically in the app)

This room: above the outlet maximum as found (worked out automatically in the app)

Valves failed (worked out automatically in the app)

Valves passed (worked out automatically in the app)

Valves recorded (worked out automatically in the app)

Above 44°C as found (worked out automatically in the app)

Above 44°C as left (worked out automatically in the app)

Fail-safe test failed (worked out automatically in the app)

Outside the allowed difference (worked out automatically in the app)

Strainers not cleaned (worked out automatically in the app)

Above the outlet maximum as found (worked out automatically in the app)

If applicable: An outlet was left above 44°C. Take it out of use, tell the person in charge and record who and when under further actions.

3. Actions and sign-off

Are further actions needed?

☐ Yes ☐ No

Further actions (copy this block for each one; if applicable)

What needs doing? *

Priority (choose one)

☐ Urgent ☐ High ☐ Medium ☐ Low

Who will do it?

Due date

Status (choose one)

☐ Open ☐ In progress ☐ Completed

Inspector name *

Position or company

Inspector signature

Signing records what was found on the day. It does not make unsafe equipment safe or replace a thorough examination, design check or service by a competent person.

Next TMV service due

Set from D08 and the results of this service.

Days to the next service (if applicable; worked out automatically in the app)

If applicable: The next due date is before the date of this visit. Check the date.