

Leonard Valve Preventive Maintenance Checklist

Follow this maintenance checklist to keep your Leonard thermostatic shower valve operating safely, accurately, and reliably.

1. Perform a Visual Inspection

Before operating the valve:

- Check for leaks around the handle, cover plate, check stops, and piping.
- Inspect for corrosion or mineral buildup.
- Verify the handle moves smoothly without excessive resistance.
- Make sure the pointer hasn't become loose.

2. Verify Outlet Temperature

Allow the shower to run several minutes. Using a calibrated thermometer:

- Measure the outlet temperature.
- Compare it to the facility's required setpoint (commonly 105–110°F for institutional showers).
- Temperature should remain stable without drifting.

If the temperature cannot be adjusted correctly, the thermostatic assembly may require service.

3. Test Temperature Stability

While water is running:

- Open another fixture nearby.
- Flush a toilet (if applicable).
- Observe whether shower temperature changes noticeably.

A properly functioning Leonard valve should quickly compensate for normal pressure and temperature fluctuations.

4. Check the Fail-Safe Function

This test should only be performed by qualified maintenance personnel.

Briefly interrupt the cold-water supply (following facility procedures).

The valve should:

- Shut off or greatly reduce hot-water flow
- Never allow full hot water to reach the shower

This is one of the most important safety checks for a thermostatic mixing valve.

5. Inspect Check Stops

Close and reopen each integral check stop.

Verify they:

- Operate smoothly
- Fully close
- Show no signs of leakage

Sticky or leaking check stops often indicate it's time for a check stop repair kit.

6. Look for Signs the Valve Needs Rebuilding

Common symptoms include:

- Temperature drifts hotter or colder
- Slow response to handle adjustments
- Valve won't maintain set temperature
- Water leaks from the handle
- Handle difficult to turn
- Inconsistent mixing
- Valve won't fully shut off

These are typically corrected with:

- Thermostatic control kit
- Packing & gasket kit
- O-ring & packing kit
- Check stop repair kit
- Complete rebuild kit

7. Clean Scale and Debris

Hard water deposits can affect performance.

During scheduled maintenance:

- Clean strainers (if equipped)
- Flush debris from the valve
- Remove mineral scale from reusable components
- Replace worn O-rings and seals

Suggested Maintenance Intervals

The exact interval depends on water quality and usage, but a good preventive maintenance schedule is:

Frequency	Tasks
Monthly	Check for leaks, verify outlet temperature
Quarterly	Test temperature stability and fail-safe operation
Annually	Inspect internal components and rebuild as needed
As Needed	Replace thermostatic assembly, seals, or check stops if performance declines

Pro Tip

Many older Leonard valves don't need to be replaced when problems develop. If the valve body is in good condition, rebuilding it with genuine Leonard repair kits is often a faster and more economical solution than installing a new valve.

Equiparts carries Leonard Valve's complete line.

Give us a call for questions, and for replacement units and repair parts.