

## **Instructional Guide: Troubleshooting Insufficient Hot Water in Your Shower**

If you're experiencing issues with insufficient hot water in your shower, there are several potential causes that you can troubleshoot on your own. Here are the steps you can follow to identify and resolve the issue:

### **Step 1: Check the Thermostatic Cartridge**

- If you're not getting enough hot water in your shower, the first thing to check is the thermostatic cartridge. This is a small device that regulates the temperature of the water in your shower.
- Remove the thermostatic cartridge and clean it thoroughly to remove any debris or build-up that may be causing the issue. If you live in a hard water area also submerge the cartridge in de-scaling solution for 12 hours to remove any build up.
- Reinsert the cartridge and test the shower to see if the problem has been resolved. If not, move on to the next step.

### **Step 2: Check for Unbalanced Hot and Cold-Water Flow**

- Try running the shower at the same time as running the basin taps to see if the hot and cold-water flow is balanced.
- First, try running the cold water tap on the basin and record the results.
- Next, try running the shower with the hot water tap on the basin and record the results.
- Finally, try running the shower with both hot and cold taps running at the same time and record the results.
- If the shower works as intended while running the cold water tap on the basin, the issue may be due to an unbalanced hot and cold-water flow. This may be caused by a blockage or flow restriction in the boiler or pipe-work leading to the shower.
- If the shower works correctly while running the hot water tap on the basin, the issue may be due to a damaged diaphragm washer inside the boiler, which is not activating the domestic hot water. This may not be noticeable with high flow outlets such as taps but may affect low flow outlets such as showers.

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### Step 3: Clear the Shower Filter

- If the issue persists, try clearing the filter inside the shower to remove any blockages that may be affecting the flow of water to the shower.
- To do this, drain the water out of the shower and remove the filter.
- Flush through the pipe-work with the filter removed.
- Clean the filter thoroughly and reinsert it into the shower.
- Test the shower again to see if the problem has been resolved.

If you've followed these steps and the issue persists, it's possible that there may be a more complex issue at play. In this case, it's best to contact a professional plumber to diagnose and resolve the issue.

We hope this guide has been helpful in troubleshooting issues with insufficient hot water in your shower. If you have any questions or need further assistance, please don't hesitate to contact us.