



Shower arm thermal clip - heat-sensitive color changing



Stephanie Cervi Design

[VIEW IN BROWSER](#)

updated 1. 8. 2023 | published 1. 8. 2023

Summary

Changes color to show the temperature of the shower pipe and warn if the water is too hot.

[Household](#) > [Bathroom](#)

Tags: [showerhead](#) [change](#) [color](#) [thermometer](#) [bathroom](#)
[heat](#) [thermochromic](#) [shower](#)

Take the guesswork out of making sure your shower is the right temperature - not too hot, and not too cold. The temperature-sensitive thermochromic pigment in this clip changes from dark gray to orange at 88°F / 31°C, and from orange to yellow at 113°F / 45°C.

I use one of these in my own shower, because my hands don't always register hot or cold quite right. This gives me a quick visual reference without having to risk scalding myself: solid orange is perfect, yellow is too hot.

Use [Capricorn's Lava thermochromic PLA](#) for best results.

PLEASE NOTE that ultraviolet light (sunlight) will degrade the colors quickly over time. UV exposure will make the color changes less vibrant and less noticeable, and possibly shift the color temperature too. Not a good solution for bathrooms that get bright, direct sunlight.

Fits all standard 1/2" NPT shower head pipes, which should include nearly every US and Canadian home. Exceptions may be specialty or custom shower installations, international shower pipes, or older homes. To confirm whether this will fit your shower head, wrap a string around the pipe, then carefully measure how much string it takes for one full wrap. If it's 3" or 76mm, this clip will fit. Scale up or down accordingly to fit different pipe sizes.

If you like my work and want to support me, please consider [buying the finished product on Etsy!](#)

Model files



shower-arm-thermal-clip.stl

License ©

This work is licensed under a [Creative Commons \(4.0 International License\)](#)



Attribution—Noncommercial—Share Alike

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition