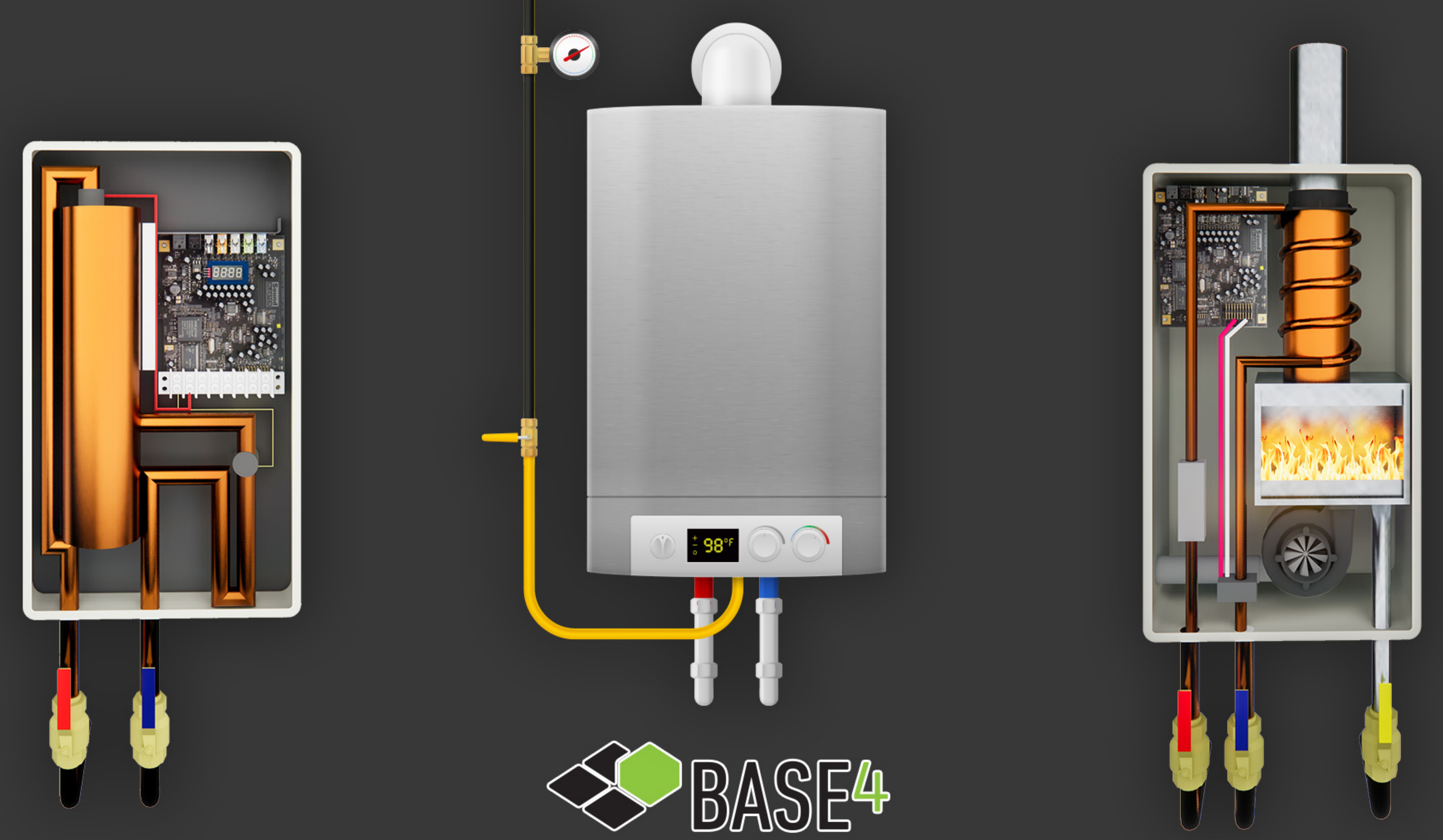
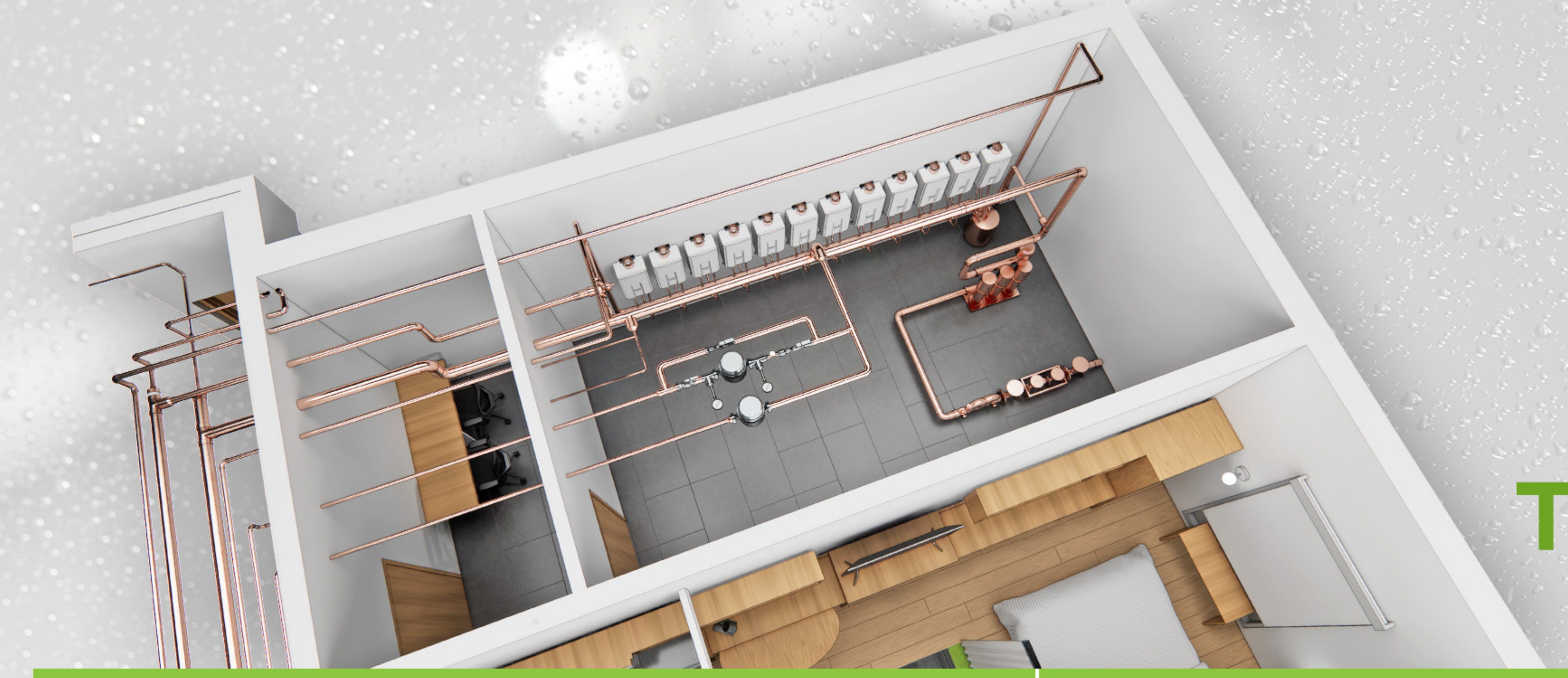


BASE4
Architects | Engineers | Designers

Tankless Water Heater

Systems for Your Project

Traditional water heaters can take up valuable space and are prone to leaks and inefficiencies.



TANKLESS WATER HEATER

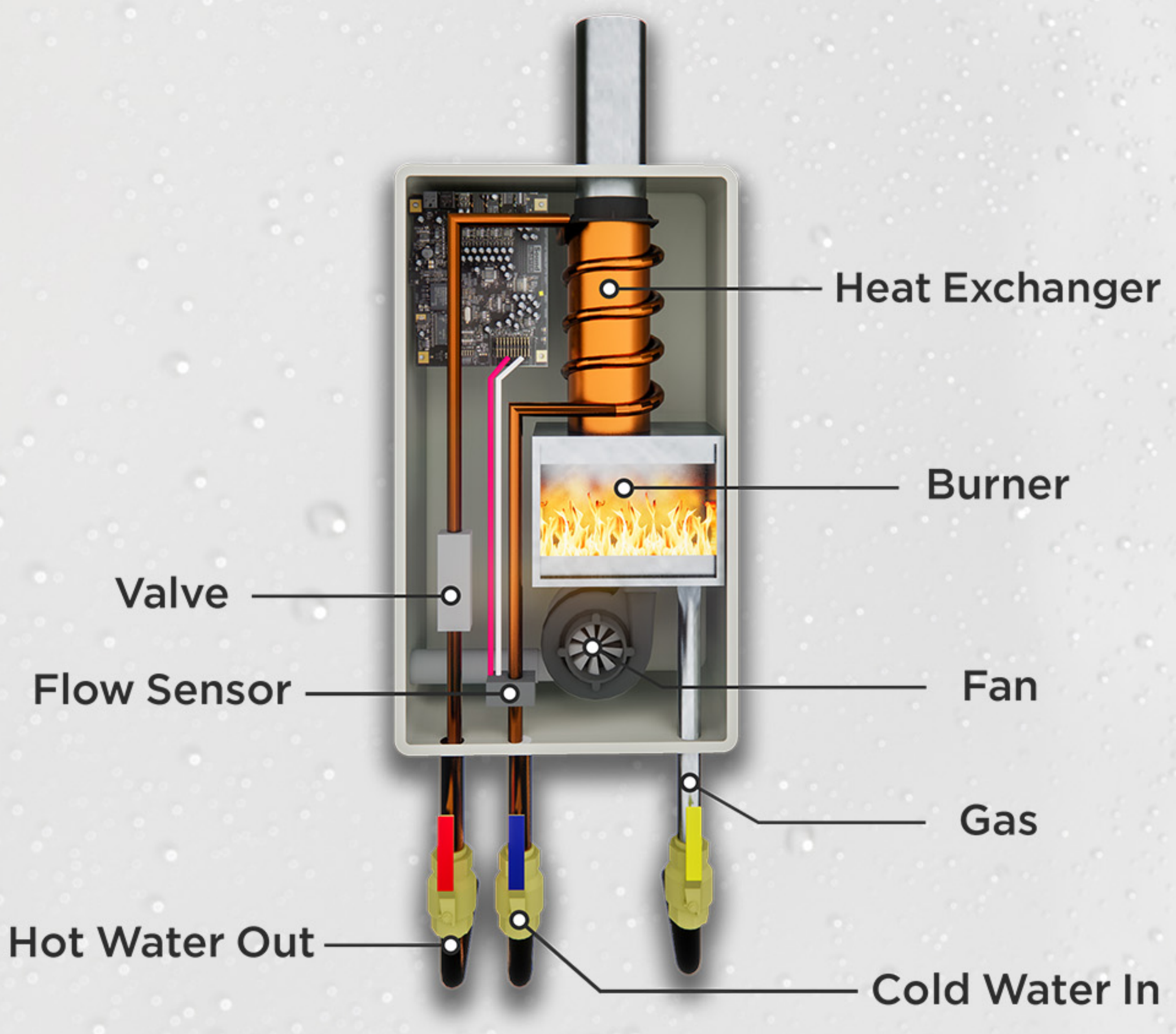
The Benefits

- **Reduced Legionella Concerns** – Since a tankless system does not store large quantities of hot water, the risk of Legionella bacteria is significantly reduced.
- **TMV Not Required** – A TMV (thermostatic mixing valve) is not required since there is no tank. The individual water heater setpoint can be set according to the required water temperature.
- **On-Demand Heating** – Reduced wait time for hot water at the fixtures compared to tank-type systems.
- **Space-Saving Design** – Typical tankless water heaters take about 80 percent less space than bulky conventional tanks.

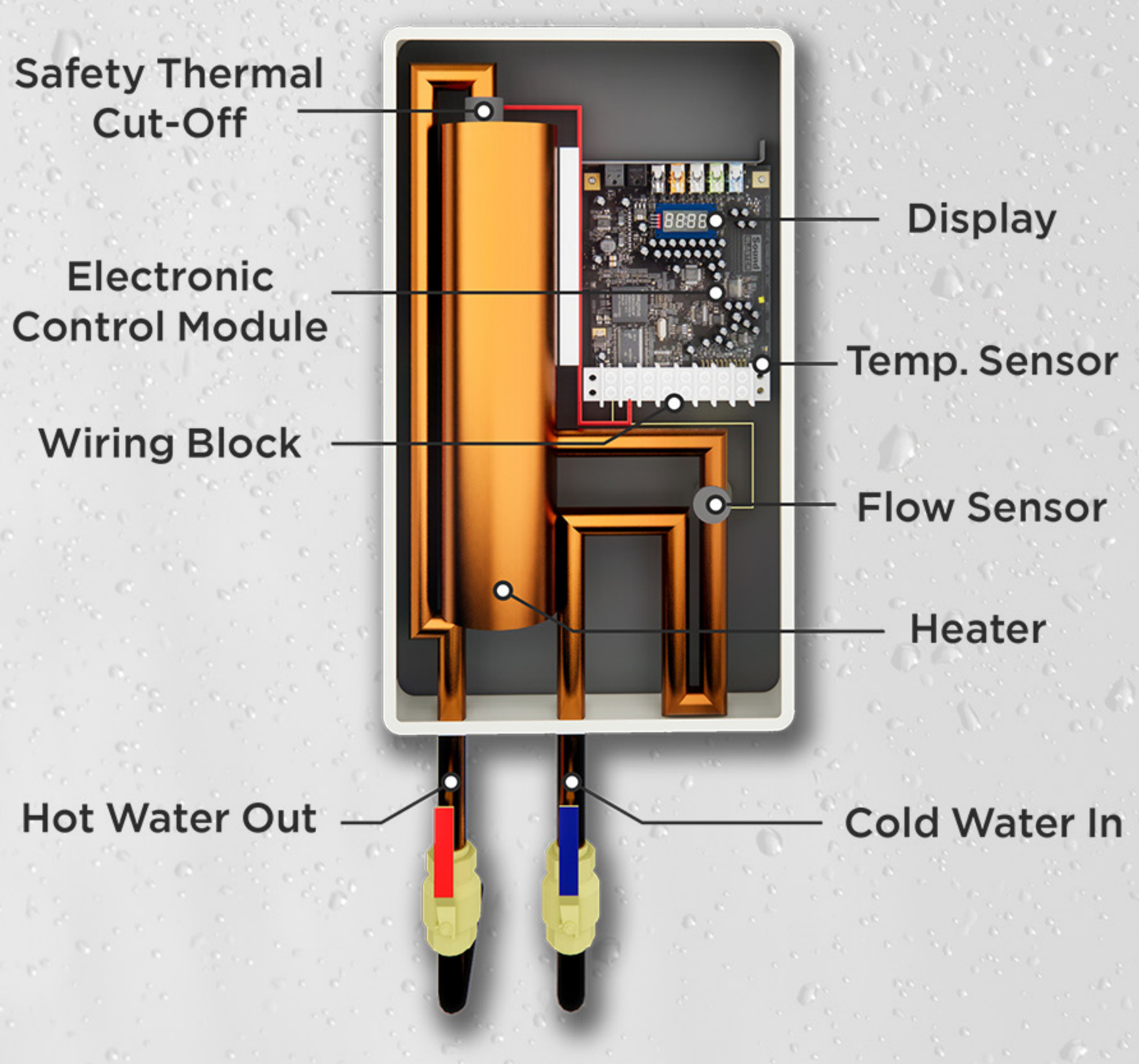
Drawbacks

- High initial cost (both for the unit and installation).
- A large number of water heaters is needed for a higher fixture count, which may require a hybrid system (tankless heaters with additional storage tanks).
- Tankless water heaters require maintenance at least once a year.

GAS TANKLESS WATER HEATER



ELECTRIC TANKLESS WATER HEATER



The Benefits

- **Flow Rate** – Gas water heaters have a greater flow rate than electric heaters. They can heat up to 8 GPM and more in warmer climates.
- **Cost** – Gas heaters are 10 to 20 percent less costly to operate than electric heaters.

The Benefits

- **Cost** – Electric tankless water heaters are less costly than gas tankless heaters.
- **Efficiency** – Electric tankless water heaters are more efficient than gas tankless water heaters.

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