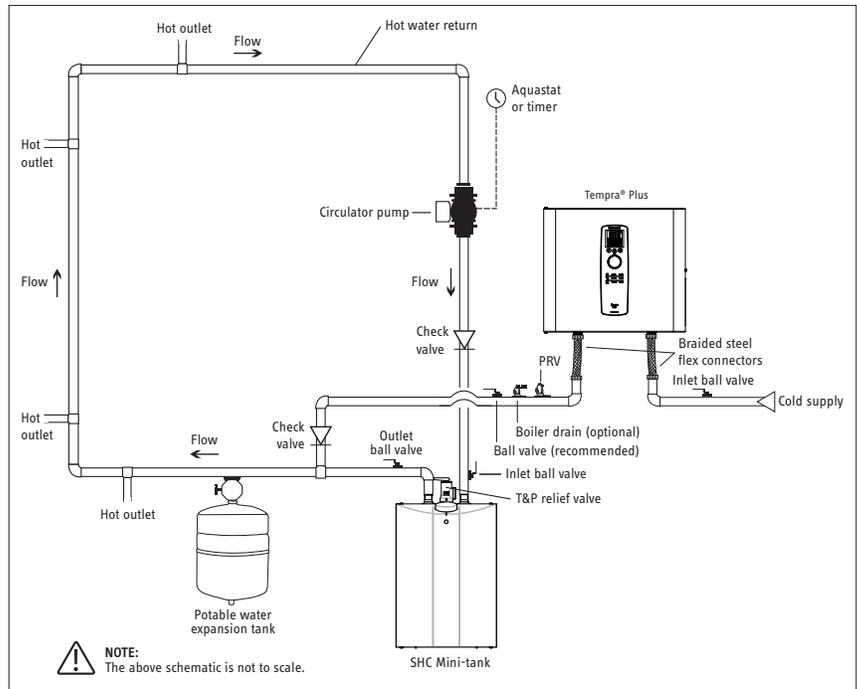


TECHNICAL SERVICE BULLETIN

Recirculation Loop with Tempra® and SHC Mini-Tank

A Tempra® and SHC Mini-Tank in a recirculating loop will minimize wait time for hot water and reduce water usage by making hot water quickly available at the tap.

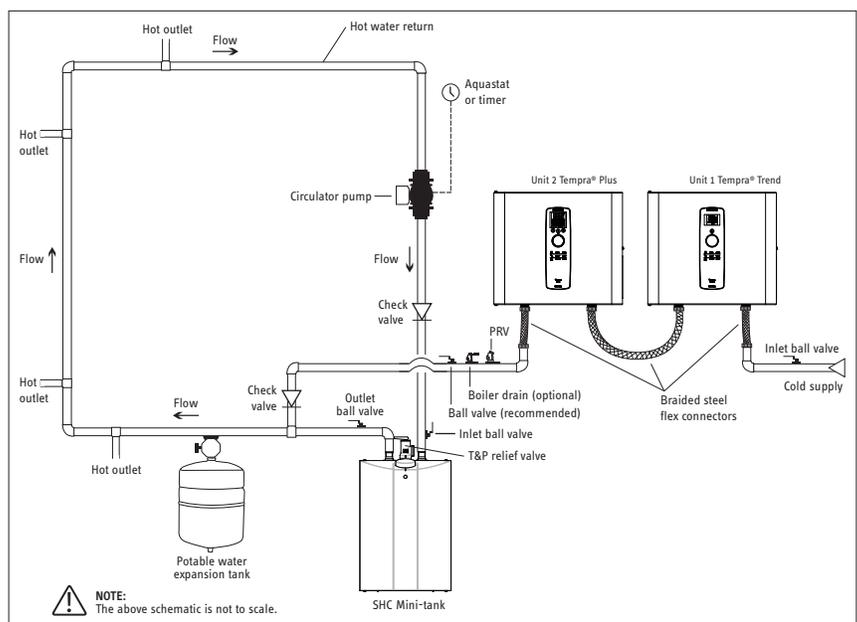
- › **All components and valving on the diagram are required** unless otherwise noted.
- › **Pipe insulation is recommended** on all hot water pipes to reduce energy loss.
- › **The Mini-Tank thermostat and the Tempra® should be set to approximately the same temperature.**
- › **Avoid long pipe runs** from the tankless water heater to loop. A five foot maximum is recommended.
- › **Timed operation is suggested.** The Mini-Tank remains heated at all times. The circulator pump can be programmed with a timer to recirculate in early morning and evening, when demand is greatest. Alternatively, an aquastat can be used to control the circulator pump and maintain water temperature in the pipe loop.



Tempra® and SHC Mini-Tank recirculation loop

NOTE:

- › Maximum inlet water temperature for a Tempra® is 131 °F (55 °C).
- › This schematic (not to scale) is for illustration purposes only and must not be used for actual installation without appropriate engineering and technical advice of a properly licensed professional in the locale where the installation is to be completed.



If necessary, installing 2 Tempra® units will increase flow rates. Split temperature rise desired between units. Example: Unit 1 set to 90 °F (32 °C) & Unit 2 set to 115 °F (47 °C).