

Sinks, tubs and appliances that use hot water would be plumbed off this loop.

Temp Sensor

Pump

Controller

Check Valve

Hot Water Flow Direction

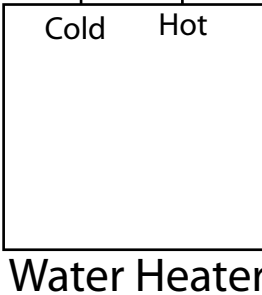
Cold Water Supply

Expansion Tank (Optional)  
Must be upstream of flow meter. Can be upstream or downstream of return line T.

Flow Meter

Temp Sensor

Thermostatic Mixing Valve  
With a mixing valve the return line must T into the cold water line that supplies both the water heater and the mixing valve.



Water Heater