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# MCU - Side Arm

## Building Heat to Domestic Hot Water



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### Features

- One vertical flooded U-Tube heat exchanger connected to a plate-and-frame liquid-to-liquid heat exchanger to supply domestic hot water, snow melt, heating a pool or any other liquid process
- Condensate control valve on the vertical flooded U-Tube heat exchanger with subcooling condensate return below 200°F, resulting in a 0% flash return system
- Total install costs will be 20% less than any other method
- 5% to 8% energy savings and reduction in carbon footprint
- Automatic steam start-up valve and shut-off valve
- NEMA 4 control panel with an advanced programmable controller, graphic HMI display including BACnet, Lon, Modbus compatibility and remote access. **We are Internet of Things (IOT) ready with a OPC-UA embedded server**
- Liquid stability set point at 2°F

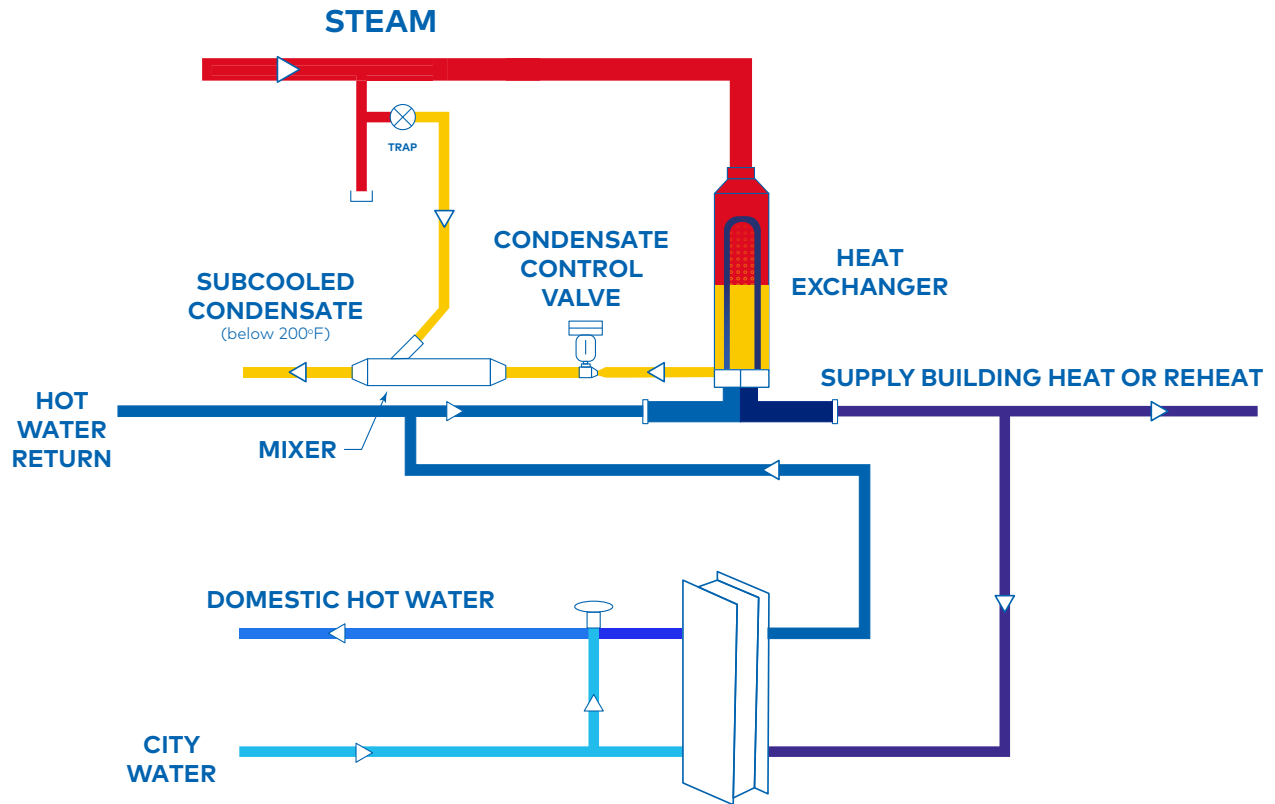
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## Technical Diagram

U.S. PATENT #6,857,467 B2  
CAN. PATENT #2,416,353



**maxi·  
therm**<sup>™</sup>  
beyond steam<sup>™</sup>



### All Maxi-Therm basic designs do not require:

- Steam pressure reducing station and no steam safety valve to roof
- Condensate return pump station
- Flash tank
- Steam vents to roof