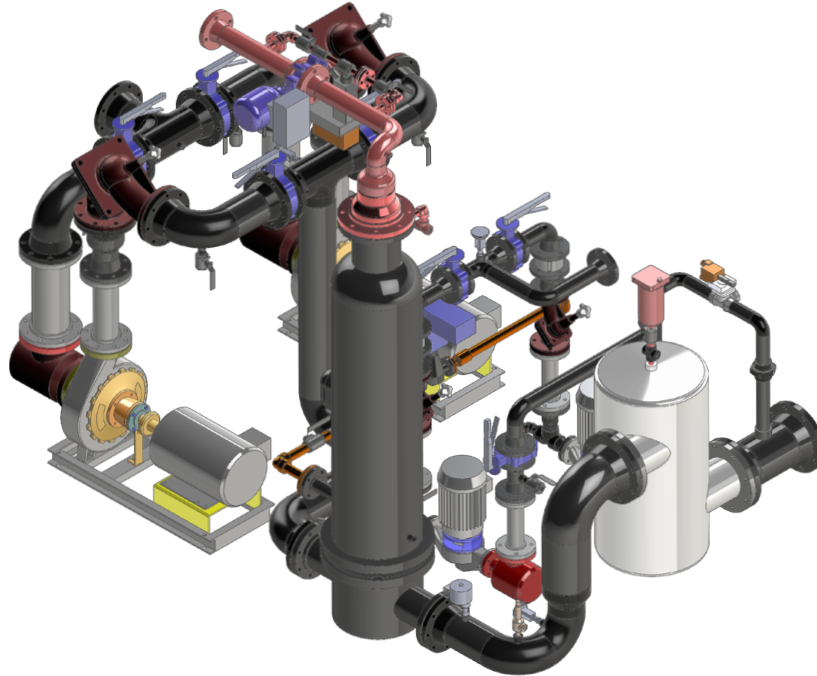


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# MCU UP - The Ultimate 5 Package | Building Heat & Process



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

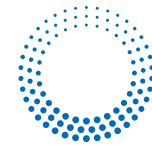


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## Features

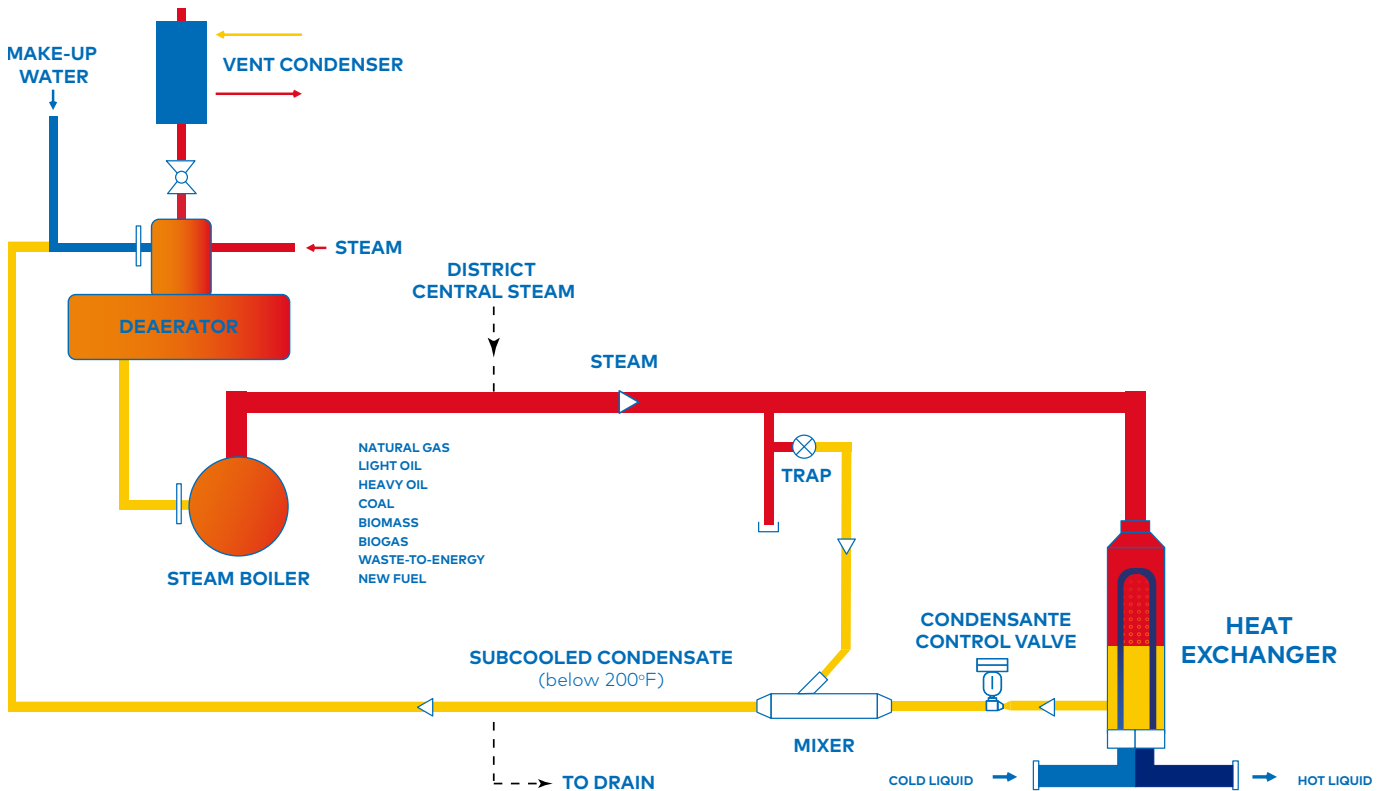
- One or two vertical flooded U-tube heat exchangers installed in **SERIES** or in parallel
- Each heat exchanger has a condensate control valve with subcooling condensate return below 200°F, resulting in a 0% flash return system
- 5% to 8% energy savings and reduction in carbon footprint
- Each heat exchanger has an automatic steam start-up and shut-off valve
- Liquid stability set point at 2°F
- Total install costs will be 20% less than any other method
- Each heat exchanger has a NEMA 4 control panel with an advanced programmable controller, graphic HMI display including BACnet, Lon, Modbus compatibility and remote access
- Main power disconnect switch
- Air separator
- Fully prewired
- One or two circulating pumps with variable frequency drives
- Ultimate 5, main power in, one steam inlet, one condensate outlet, one liquid in, one liquid out connection

# MCU-UP - The Ultimate 5 Package | Technical Diagram



**maxi·therm™**  
beyond steam™

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



## 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