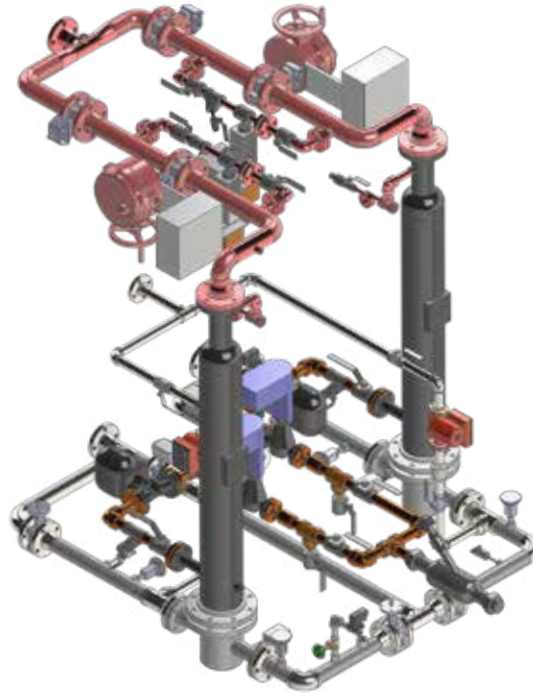


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# MCU – Duplex Zerolag

## Feedback | Domestic Hot Water & Process



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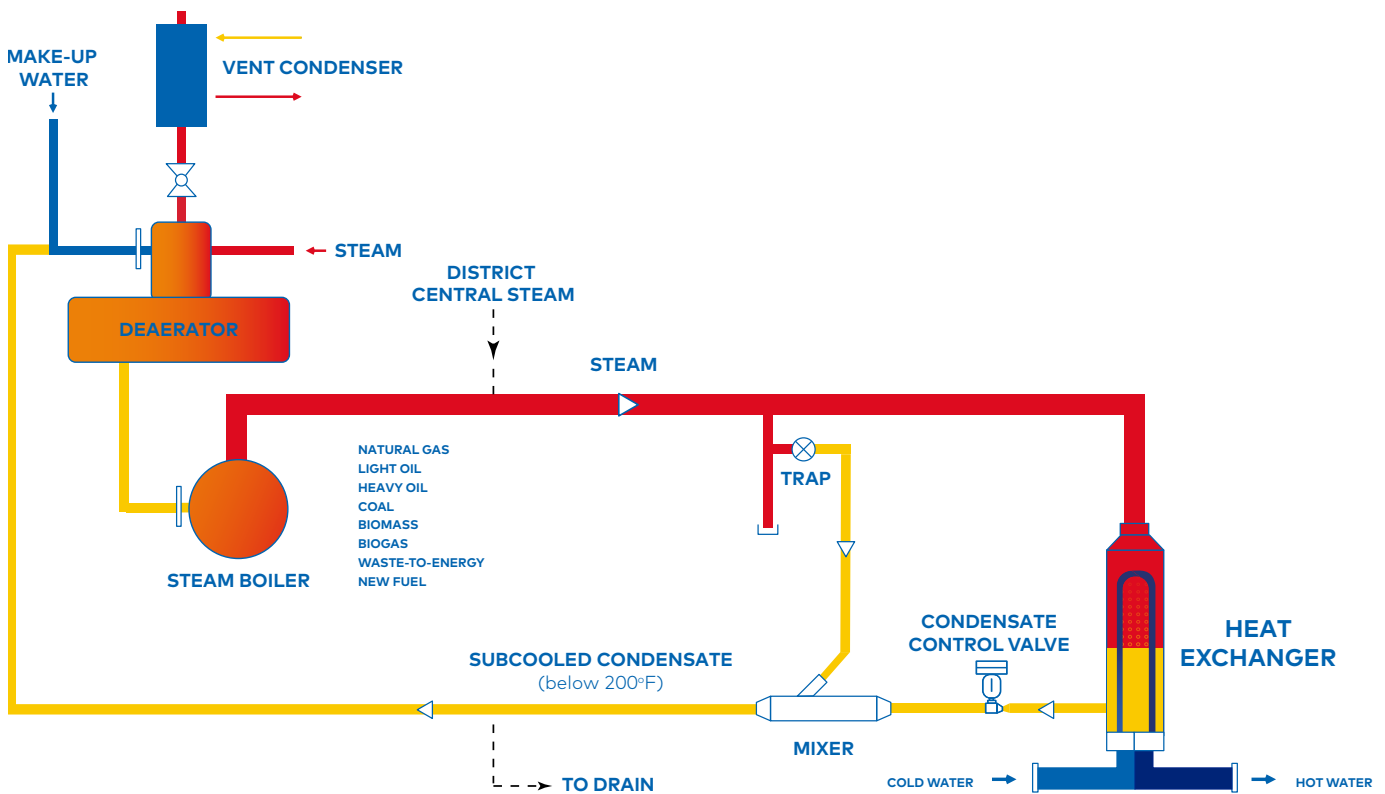
### Features

- Two vertical flooded U-tube heat exchangers installed in **SERIES** at 100% of required capacity in US gpm for each heat exchanger
- Each heat exchanger can handle the total load or partial load for a different temperature set point
- 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
- Total install costs will be 20% less than any other method
- Each heat exchanger has an automatic steam start-up and shut-off valve
- 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. **We are Internet of Things (IOT) ready with a OPC-UA embedded server**
- Liquid stability set point at 2°F
- Maintenance on lead lag control is no longer an issue

# MCU – Duplex Zerolag Feedback | Technical Diagram



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