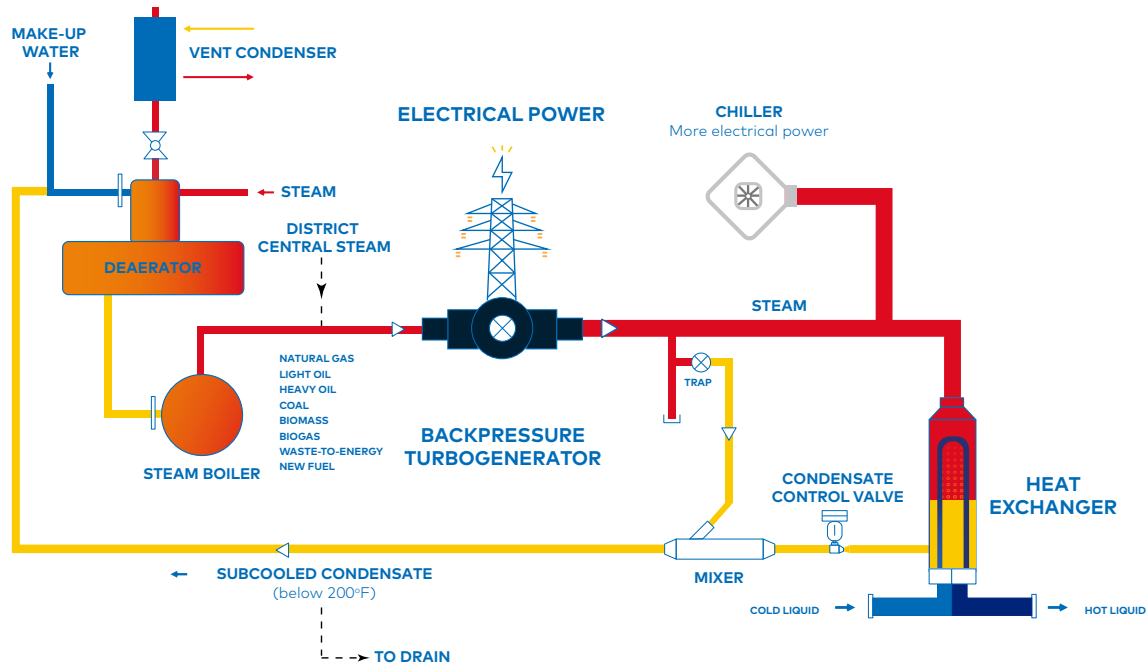


Backpressure Turbogenerator in a Steam Closed Loop



Features

- A turbogenerator controls the differential set lower steam pressure required for the process of building heat, domestic hot water, snow melt, etc. and also generates electric power
- The vertical flooded design for building heat, domestic hot water, snow melt, etc. is designed to send subcooled condensate below 200°F to the main return line. If it's a district steam loop, condensate would be subcooled below 140°F
- No condensate return pump sets are required
- Energy savings from 5.4% to 20% and reduced carbon footprint
- Much less maintenance, basically one very small condensate control valve
- Total install costs will be 20% less than any other method
- The conventional steam pressure reducing station becomes a back-up
- The vertical flooded design eliminates steam safety valves and all steam vents to the roof