

QUESTION

1. The following is a schematic diagram of a power plant. The plant is a Rankine cycle with a condenser, a boiler, a turbine, and a pump. The condenser is cooled by a cooling water stream. The boiler is heated by a combustion gas stream. The turbine is connected to a generator. The pump is connected to the condenser and the boiler. The condenser is a shell-and-tube heat exchanger. The boiler is a shell-and-tube heat exchanger. The turbine is a steam turbine. The pump is a centrifugal pump.



2. The following is a schematic diagram of a power plant. The plant is a Rankine cycle with a condenser, a boiler, a turbine, and a pump. The condenser is cooled by a cooling water stream. The boiler is heated by a combustion gas stream. The turbine is connected to a generator. The pump is connected to the condenser and the boiler. The condenser is a shell-and-tube heat exchanger. The boiler is a shell-and-tube heat exchanger. The turbine is a steam turbine. The pump is a centrifugal pump.

