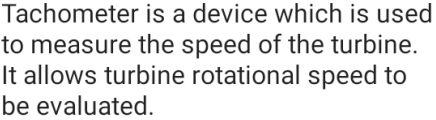
***Steam Power Plant***

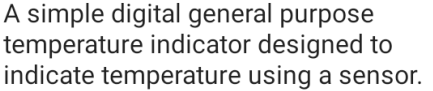
* **Introduction:**

The Rankine cycle is a model used to predict the performance of steam turbine. It was also used to study the performance of reciprocating steam engines. The rankine cycle is an idealized thermodynamic cycle of a heat engine that converts heat into mechanical work while undergoing mechanical work while undergoing phase change. Diagram is shown in figure.

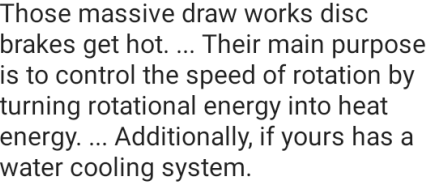
* **Parts list:**
* Tachometer
* Temperature indicator
* Break load indicator
* Break cooling water control
* Steam solenoid valve
* Throttle valve
* Impulse turbine
* Guage
* Safety valve
* Boiler level indicator
* Nozzle
* **Tachometer :**



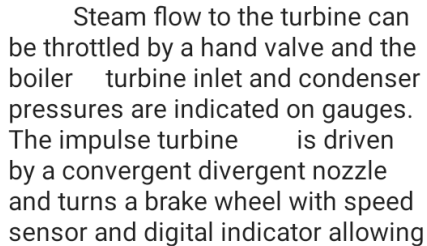
* **Temperature indicator:**

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* **Break cooling water control:**

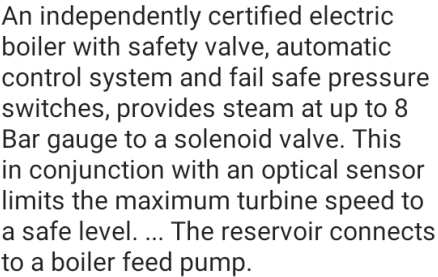
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* **Break load indicator:**

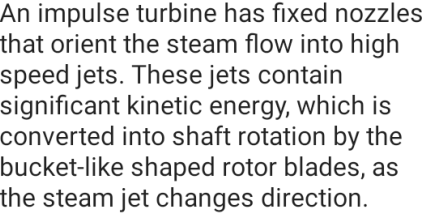
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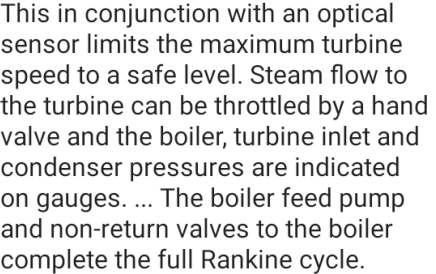
* **Steam solenoid valve:**

****

* **Impulse turbine:**

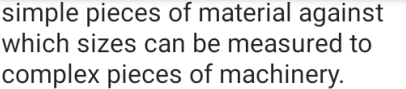
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* **Throttle valve:**

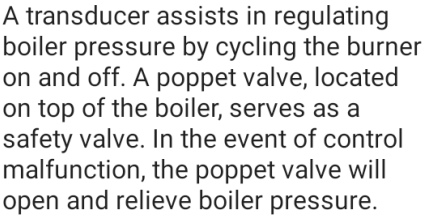
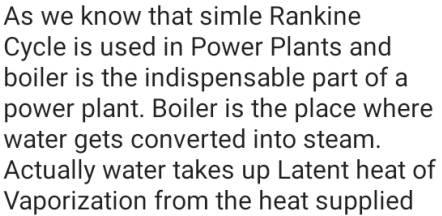
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* **Gauge:**

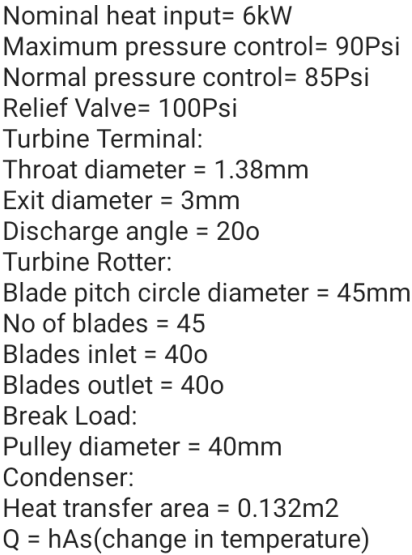
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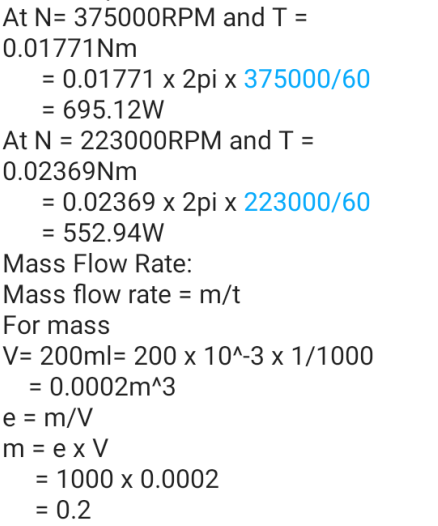
* **Safety valve:**

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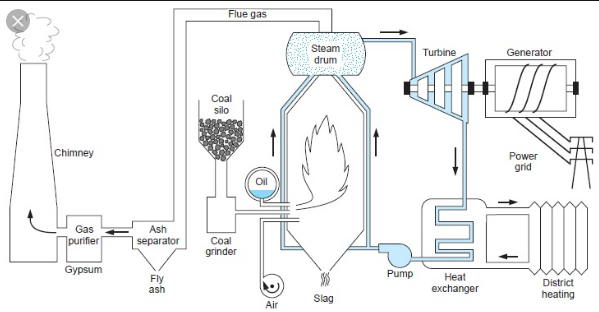
* **Boiler terminal:**

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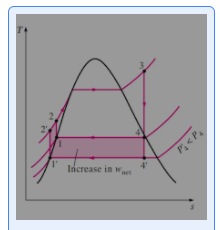
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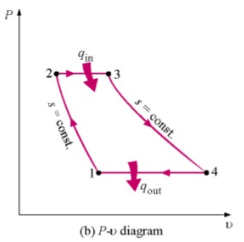
**Diagram of steam power plant:**

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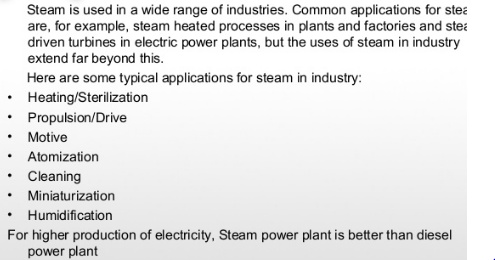
* **Ts diagram:**

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* **Pv diagram:**

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* **Applications:**

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