# **Engineering Software**

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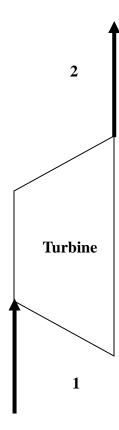
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# Expansion

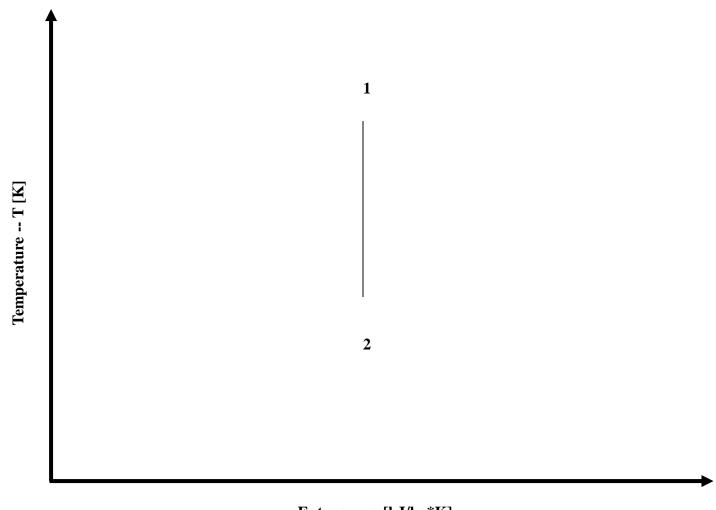
Here are some of the basic isentropic expansion plots.

#### **Working Fluid Out**



Working Fluid In

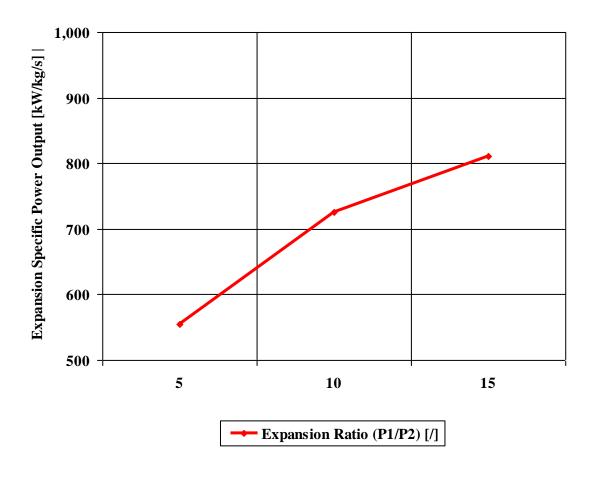
## **Expansion Schematic Layout**



Entropy -- s [kJ/kg\*K]

**Expansion T - s Diagram** 

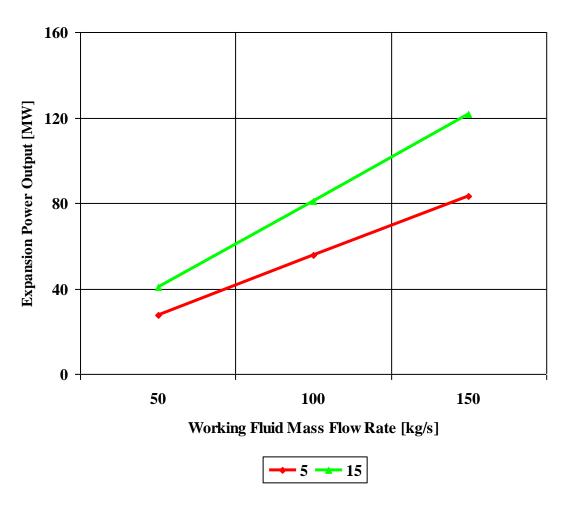
#### **Expansion Specific Power Output**



Working Fluid: Air

**Turbine Inlet Temperature: 1,500 [K]** 

### **Expansion Power Output**



Expansion Ratio (P1/P2) [/] Working Fluid: Air

**Turbine Inlet Temperature: 1,500 [K]** 

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