



THERMOQUIZ

Rankine isentropic efficiency

What is happening to the vapour quality in a simple Rankine cycle when the isentropic efficiency of the turbine is not 100% and the output pressure remains the same?

Answer: A.

Explanation: Looking at the figure (T-s diagram), it can be seen that a shift to the right will appear. That means that the quality of the vapour will increase, and this will result in an increase to x .

