

As an assignment,

1) Create a custom model for a heater to heat the given mixture of compounds

2) Calculate the amount of heat required for heating

3) Compare the results with in-built heater unit operation available

Compounds:

Water: 100 kmol/h and Methanol: 100 kmol/h

Pressure: 1.25 atm

Property Package: Raoult's Law

Inlet Stream Temperature: 300 K

Temperature Difference: 350 K

Pressure Drop: 1.1 atm