IDEAL VAPOR-COMPRESSION REFRIGERATION CYCLES

COMPONENTS

(1) (2)

(3)

(4)

SKETCH THE T-Δ DIAGRAM

T

Δ

(5)

JOULE-THOMPSON COEFFICIENT

\[ \mu_{JT} = \left( \begin{array}{c} \text{FOR A REFRIGERANT} \\ \mu_{JT} > 0 \\ \mu_{JT} < 0 \\ \mu_{JT} = 0 \end{array} \right) \]

CAN YOU USE AN IDEAL GAS AS A REFRIGERANT?