









Flow rates: {B: 352040.816326531*mole/hour, D: 147959.183673469*mole/hour} Rmin: 3.31250000000000, R: 3.9750000000000

Telegraphic condenser: 131.11700047464612 Δ°F

dT, reboiler: 50 Δ°F

Heat duty, condenser: 24.192792 GJ/h

Heat duty, reboiler: 24.192792 GJ/h

Heat transfer coefficient, condenser: 150 Btu/ft²/h/Δ°F

Heat transfer coefficient, reboilder: 200 Btu/ft²/h/Δ°F

Heat transfer area, condenser: 108.31538326646417 m²

Heat transfer area, reboiler: 213.02982238740688 m²

==== Part D ====

F_LV: 0.05011824251839097

kV: 0.38524612240309186 ft/s

uC: 6.01371979633009 ft/s

uO: 4.510289847247567 ft/s

V: 736096.0249999999 mol/h

Vdot: 217.62596106998467 ft³/s

area: 48.25099238417954 ft²

actual area: 60.313740480224425 ft²

diameter: 8.763209427505183 ft