

CH402 CHEMICAL ENGINEERING PROCESS DESIGN

Lab 5: Condenser, Reflux Drum, Reflux Pump, and Reboiler Costs in Distillation

Read: Project Handout

Problems: None

Objectives (Cadets will be able to):

1. Use realistic design constraints with CHEMCAD to design a condenser, reflux drum, reflux pump, and reboiler for a distillation process.
2. Use CHEMCAD with design heuristics to design heat exchangers.
3. Use safety data sheets to make preliminary safety and environmental assessments of a process.
4. Run a dynamic simulation in CHEMCAD

Definitions:

None.

Cadet Notes: