

CH402 CHEMICAL ENGINEERING PROCESS DESIGN

Lesson 3: Pumps and Pump Design

Read: Pages 508-536

Problems: 12-6 (Problem Set 2)

Objectives (Cadets will be able to):

1. Select a pump, compressor, or expander for a given application.
2. Perform pump sizing calculations using the system and characteristic curves.
3. Determine the cost of pumps, expanders, and related equipment.

Definitions:

NPSH, characteristic curve, system curve, head, efficiency, cavitation

Cadet Notes: