

CH402 CHEMICAL ENGINEERING PROCESS DESIGN

Lesson 5: Flow Measurement and Storage of Fluids

Read: Pages 549-560

Problems: 12-14 (Problem Set 3)

Objectives (Cadets will be able to):

1. Describe how an orifice plate is used to measure flow rates.
2. Use the orifice plate in CHEMCAD.
3. Set up a sensitivity analysis in CHEMCAD.
4. Calculate pressure or storage vessel wall thickness.
5. Determine the cost of a pressure or storage vessel.

Definitions:

Orifice meter.

Cadet Notes: