

## 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:**