CH365 CHEMICAL ENGINEERING THERMODYNAMICS

Lesson 7: Enthalpy, Heat Capacity, and Open Systems 2

Read: Section 2.9, pp. 47-58

Problems: 2.28, 2.38

Objectives:

1. Write mass and energy balances for open systems.

2. Calculate flow rate in a conduit from velocity, cross-sectional area, and density.

Definitions:

Open system, mass flow rate, molar flow rate, volumetric flow rate, velocity, flow calorimeter.

Cadet Notes: