

Hint for problem 5.16

$$V_2 = 30 \text{ ft/min}$$

$$A_1 = \frac{2}{5} (\pi/4 D^2)$$

$$A_2 = bt$$

Where

$$D = 8 \text{ in (Inside Diameter)}$$

$$b = 4 \text{ ft (sheet width)}$$

$$t = 0.187 \text{ in (sheet thickness)}$$

Find V_1