

## Sample Calculations

1/6

conversion of pressure drop to head loss:

$\Delta P = 12 \text{ psi}$  (value obtained from Table 1)

$$\frac{12 \text{ pounds}}{\text{inch}^2} \cdot \frac{12 \text{ inches}}{1 \text{ foot}} \cdot \frac{12 \text{ inches}}{1 \text{ foot}} \cdot \frac{\text{foot}^3}{62.42796 \text{ pounds}} = 27.68 \text{ ft}$$

conversion of in<sup>2</sup> to ft<sup>2</sup>

density of water