

85. Using Eq. 15-8, the maximum depth is

$$h_{\max} = \frac{\Delta p}{\rho g} = \frac{(0.050) (1.01 \times 10^5 \text{ Pa})}{(1000 \text{ kg/m}^3) (9.8 \text{ m/s}^2)} = 0.52 \text{ m} .$$