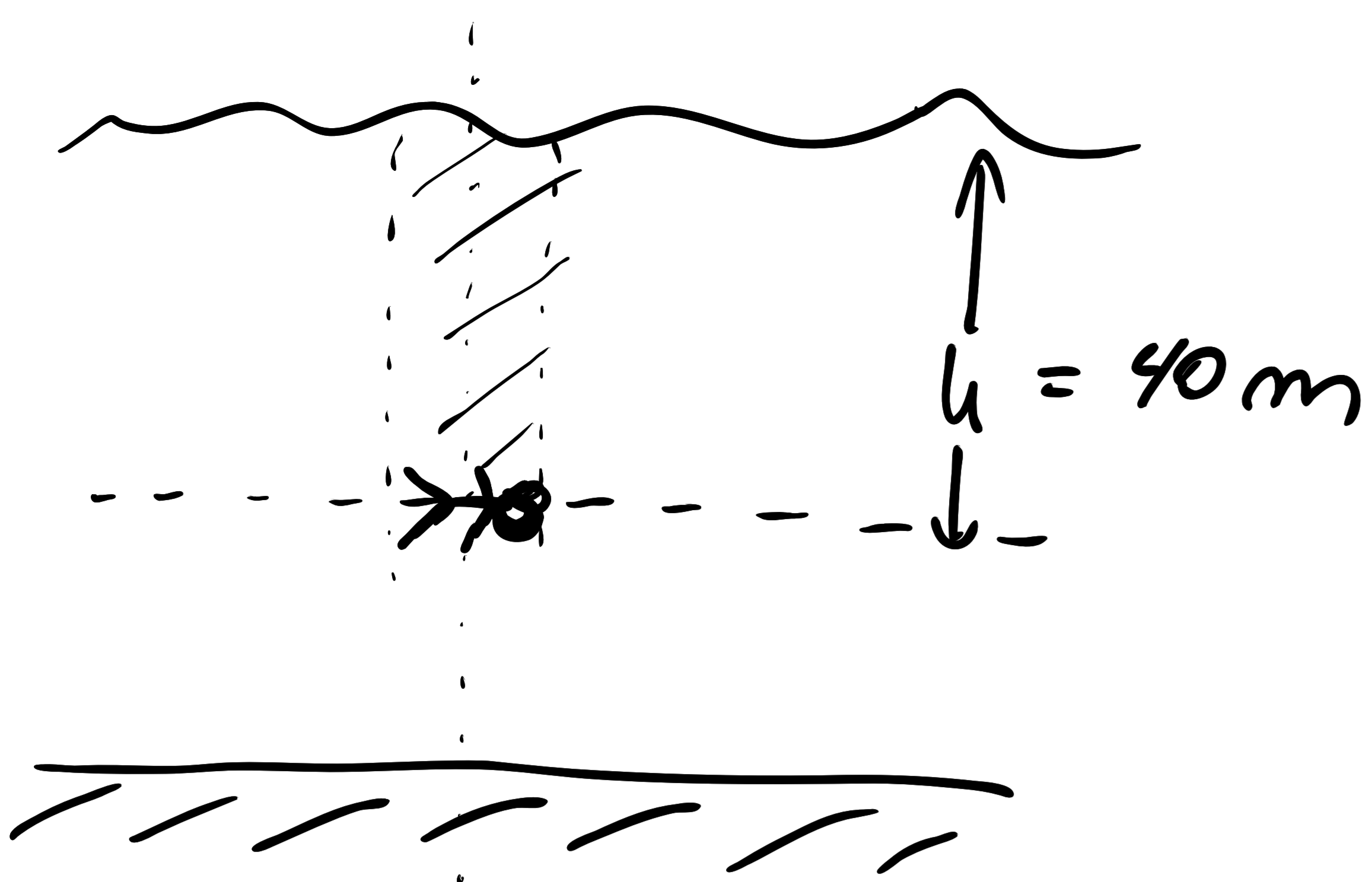


4. PRESSURE



$$P = d_{\text{liq}} \cdot g \cdot h$$

$$d_{\text{liq}} = 1030 \text{ kg/m}^3$$

$$P = (1030 \text{ kg/m}^3) \cdot (9.8 \text{ m/s}^2) \cdot (40 \text{ m}) = 403760 \frac{\text{kg} \cdot \text{m} \cdot \frac{\text{m}}{\text{s}^2}}{\text{m}^3}$$

$$P = 403760 \frac{\text{kg}}{\text{m} \cdot \text{s}^2} \equiv 403760 \text{ Pa}$$

$$P = 403760 \text{ Pa} \cdot \frac{1 \text{ atm}}{101325 \text{ Pa}} = 3.98 \text{ atm}$$

$$P = 403760 \text{ Pa} \cdot \frac{1 \text{ kPa}}{100 \text{ Pa}} = 4037.6 \text{ kPa}$$

$$4.0376 \cdot 10^3 \text{ kPa}$$

Lo correcto sería dar solo
2 decimales

$$P = 4.0 \cdot 10^3 \text{ kPa}$$