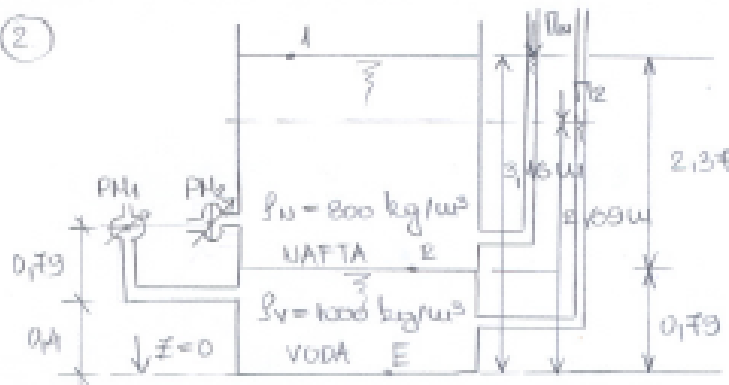


2



$$h = 0,79 \text{ m}$$

$$\rho_V = 1,0 \text{ kg/dm}^3 = 1000 \text{ kg/m}^3$$

$$\rho_N = (1,0 - 0,1965) \text{ kg/dm}^3 = 0,8035 \text{ kg/dm}^3 \approx 0,8 \text{ kg/dm}^3 = 800 \text{ kg/m}^3$$

$$P_1 = 0$$

$$\frac{P_1}{\rho_N g} + z_1 = \Pi_N \Rightarrow \underline{\Pi_N = z_1 = 3,16 \text{ m}}$$

$$P_2 = \rho_N g (\Pi_N - z_2)$$

$$P_2 = 800 \text{ kg/m}^3 \cdot 9,81 \text{ m/s}^2 (3,16 - 0,79) \text{ m}$$

$$P_2 = 18599,76 \text{ Pa} \approx 18,60 \text{ kPa}$$

$$\frac{P_2}{\rho_V g} + z_2 = \Pi_V$$

$$\frac{18599,76}{1000 \cdot 9,81} \text{ m} + 0,79 \text{ m} = \Pi_V$$

$$\underline{\Pi_V = 2,686 \text{ m} \approx 2,69 \text{ m}}$$

$$P_E = \rho_V g (\Pi_V - z_E)$$

$$P_E = 1000 \frac{\text{kg}}{\text{m}^3} \cdot 9,81 \text{ m/s}^2 \cdot 2,69 \text{ m}$$

$$P_E = 26388,9 \text{ Pa} \approx 26,39 \text{ kPa}$$

$$P_{H1} = \rho_V g (\Pi_V - z_{H1})$$

$$P_{H1} = 1000 \frac{\text{kg}}{\text{m}^3} \cdot 9,81 \text{ m/s}^2 (2,69 \text{ m} - 1,19 \text{ m})$$

$$P_{H1} = 14715 \text{ Pa} \approx 14,72 \text{ kPa}$$

$$P_{H2} = \rho_N g (\Pi_N - z_{H2})$$

$$P_{H2} = 800 \frac{\text{kg}}{\text{m}^3} \cdot 9,81 \text{ m/s}^2 (3,16 \text{ m} - 1,19 \text{ m})$$

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