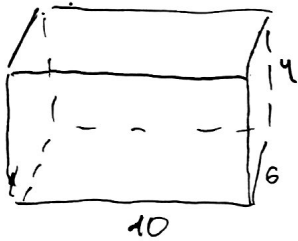


ЗХД РК 2

№1



$$N = \frac{V}{W}$$

$$B = 22,6 \cdot 15$$

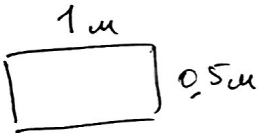
$$V = \frac{B}{\rho_B - \rho_0}$$

$$\rho_0 = 0,25 \text{ г/см}^3$$

$$V = \frac{339}{1 - 0,35} = \frac{339}{0,65} \approx 521$$

$$N = \frac{521}{10 \cdot 6 \cdot 4} \approx 2,17 \text{ раза в час}$$

№2



$$\rho_{\text{пек}} = 200 \text{ мг/м}^3$$

$$\rho_{\text{пр}} = 0 \text{ (воздух чистый)}$$

$$v = 0,2 \text{ м/с}$$

$$m_{\text{вр}} = ?$$

$$L_{\text{гг}} = \rho \cdot v = 0,5 \cdot 0,2 = 0,1 \text{ мг/с}$$

$$L = m_{\text{вр}} / (\rho_{\text{пек}} - \rho_{\text{пр}}) \Rightarrow L = m_{\text{вр}} / \rho_{\text{пек}} \Rightarrow$$

$$m_{\text{вр}} = L \cdot \rho_{\text{пек}} = 20 \text{ мг/с}$$

$$\text{№3 } S_{\text{сум}} = 1000 \text{ м}^2$$

$$d_0 = 0,1 \quad d_1 = 0,5$$

$$l_{\text{гг}} = 0,95$$

$$B = \frac{S_{\text{сум}} \cdot d_{\text{ср}}}{1 - d_{\text{ср}}}$$

$$d \cdot B = \frac{B_1}{B_0} \cdot l_{\text{гг}}$$

$$B_0 = \frac{S_{\text{сум}} \cdot d_0}{1 - d_0} = \frac{1000 \cdot 0,1}{0,9} \approx 111,1$$

$$B_1 = \frac{S_{\text{сум}} \cdot d_1}{1 - d_1}$$

$$\frac{1000 \cdot 0,5}{0,5} = 1000$$

$$B = \frac{1000}{111} \cdot 0,95 \approx 8,55$$

$$\sqrt{4w} = 3H \text{ pag/e}$$

$$\rho = 10^3 \text{ H} \quad \rho = m \cdot g$$

$$q = 10^6 \text{ H/m}$$

$$K\pi = \frac{1}{\left(\frac{f}{f_0}\right)^2 - 1}$$

$$\omega = 2\pi f$$

$$f = \frac{\omega}{2\pi} \approx 50$$

$$f_0 = \frac{1}{2\pi} \sqrt{\frac{q}{m}} = \frac{1}{2\pi} \sqrt{\frac{q}{\chi_{\text{cr}}}}$$

$$\chi_{\text{cr}} = \frac{mg}{q} = \frac{1}{10^3}$$

$$f_0 \approx 15,76$$

$$K\pi = \frac{1}{\left(50/15,76\right)^2 - 1} \approx 0,11$$