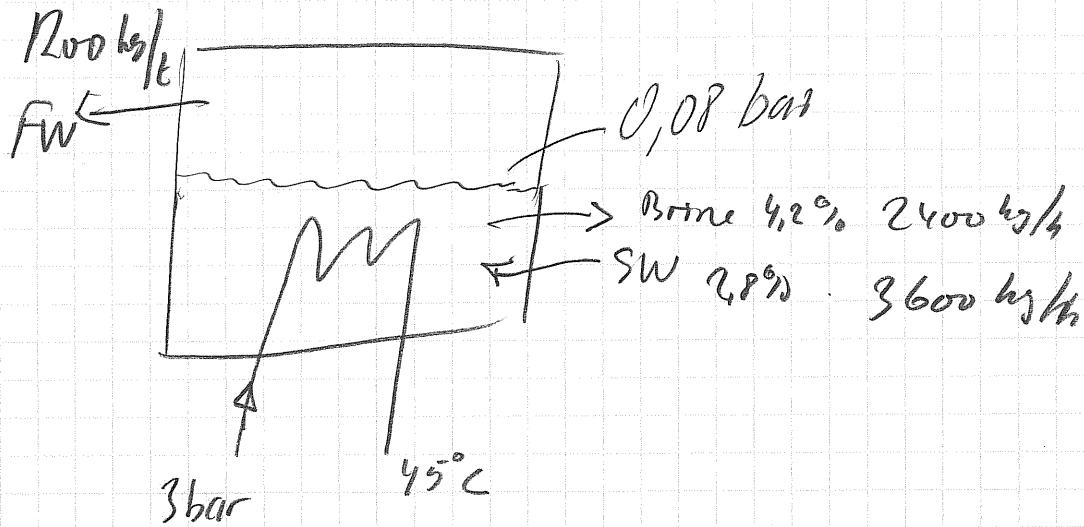


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SOL - null



$$M_{sw} = (M_b + 1200)$$

$$M_b \cdot 4,2\% = M_{sw} \cdot 2,8\%$$

$$M_b \cdot 4,2\% = (M_b + 1200) \cdot 2,8\%$$

$$0,042 M_b = 0,028 M_b + 0,028 \cdot 1200 \Rightarrow M_b = \frac{0,028 \cdot 1200}{(0,042 - 0,028)} = 2400 \text{ kg/h}$$

$$M_{sw} = M_b + 1200 = 2400 + 1200 = 3600 \text{ kg/h}$$

$$Q_{FWG} = [M_{FW} \cdot r + M_{sw} \cdot (h' - h_{20})] \cdot \frac{1}{\eta_{FG}} =$$

$$Q_{FWG} = \left[\frac{1200}{3600} \cdot 2406,2 + \frac{3600}{3600} \cdot (173,9 - 83,9) \right] \cdot \frac{1}{0,96} = 929 \text{ kW}$$

$$Q_D = M_d^o \cdot \lambda_d \Rightarrow M_d^o = \frac{929}{(2724,7 - 188,4)} = \underline{\underline{0,37 \text{ kg/s}}}$$