



Pump

Water enters a pump in state 1, as a saturated liquid with a certain pressure, P_1 . The water leaves as a compressed liquid with P_2 . The pump has an isotropic efficiency of $\eta_{isopump}$. What is the formula that you can use to calculate the enthalpy value for point 2?

Answer: $h_2 = h_1 + v \cdot \frac{P_2 - P_1}{\eta_{isopump}}$.