



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