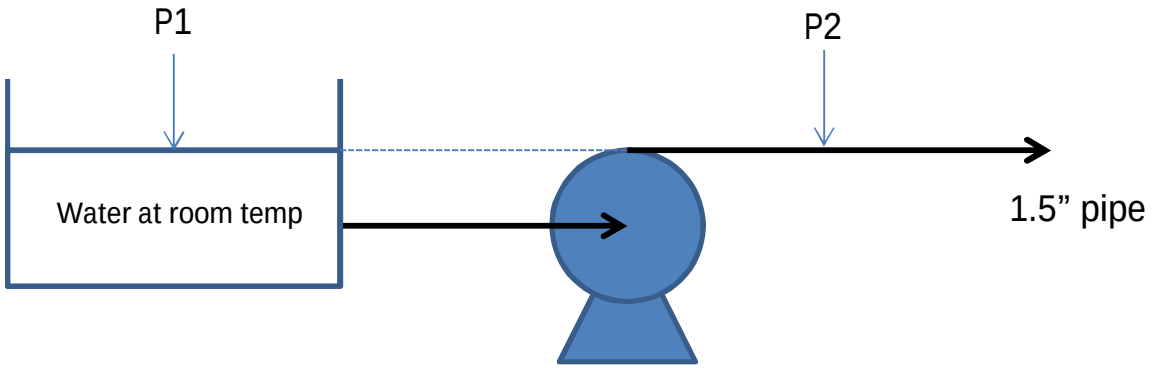

Current Pump setting – 33 l/hr

$$g.h1 \times \frac{P_1}{\rho} \times \frac{{v_1}^2}{2} = g.h2 \times \frac{P_2}{\rho} \times \frac{{v_2}^2}{2}$$

- Bernoulli’s Equation

$$\cancel{g.h1} \times \frac{P_1}{\rho} \times \cancel{\frac{{v_1}^2}{2}} = \cancel{g.h2} \times \frac{P_2}{\rho} \times \frac{{v_2}^2}{2}$$

- As both height are the same and at point 1, velocity is 0

$$\frac{101325\ Pa}{1000\ kg/m3} = \frac{P_2}{1000\ kg/m3} \times \frac{0.482^2}{2}$$

$$P_2 = 101329\ Pa$$