6.110 In Fig. P6.110 the pipe entrance is sharp-edged. If the flow rate is $0.004 \text{ m}^3/\text{s}$, what power, in W, is extracted by the turbine?

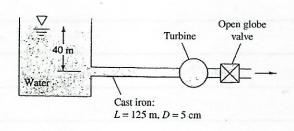


Fig. P6.110

$$\frac{P_{1} + V_{1}^{2}}{2S} + \frac{1}{2} + \frac{1}{2$$