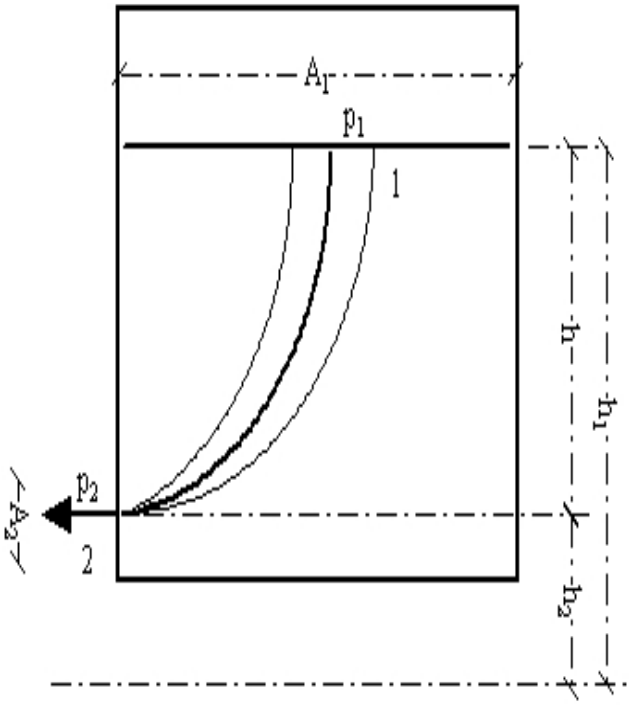

$$g \cdot h_1 + \frac{p_1}{\rho} + \frac{V_1^2}{2} = g \cdot h_2 + \frac{p_2}{\rho} + \frac{V_2^2}{2} \qquad \text{(e1)}$$

where

$$h = h_1 - h_2 \qquad \text{(e2)}$$

$$V_1 = \left(\frac{A_2}{A_1}\right) \cdot V_2 \qquad \text{(e3)}$$

$$V_2 = \sqrt{\frac{2}{\left(1 - \frac{A_2^2}{A_1^2}\right)} \cdot \left(\frac{p_1 - p_2}{\rho} + g \cdot h\right)} \qquad \text{(e4)}$$

$$V_2 = \sqrt{2 \cdot g \cdot h} \qquad \text{(e5)}$$

$$V_2 = c \sqrt{2 \cdot g \cdot h} \qquad \text{(e5b)}$$

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$$V_2 = \sqrt{\frac{2 \cdot (p_1 - p_2)}{\rho}} \qquad \text{(e6)}$$