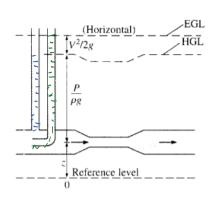
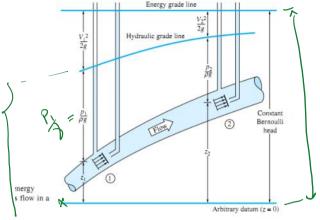
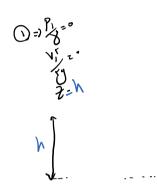
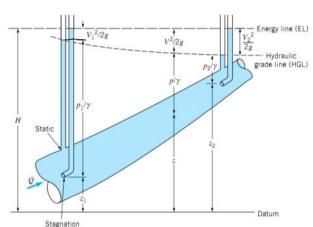
Wednesday, December 23, 2020 8:57 AM (W)) Wednesday, December 24, 2020 8:57 AM (W)) Wednesday, December 24, 2020 8:57 AM (W)) Wednesday, December 24, 2020 8:57 AM (W)) Wednesday, December 25, 2020 8:57 AM (W) (W) Wednesday, December 25, 2020 8:57 AM (W) (W) Wednesday, December 2

えけりまから= モイナタナンシ







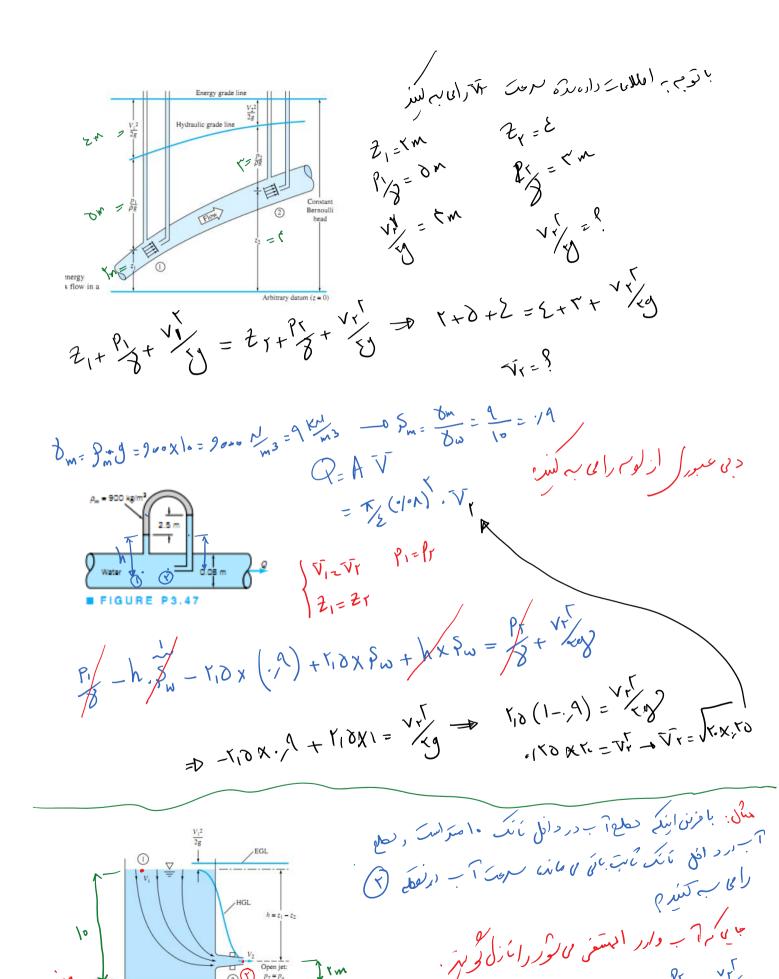


1) P = H= P + Z = 0 + h = h V = 0 E= P + Z | + V = 0 + h + 0 = h Z = h

FIGURE 3.21 Representation of the energy line and the hydraulic grade line.

Negative P Positive P Positive P

H= 1/3+ Z E= 1/3+ Z+ / Eg



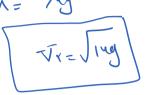
1,0

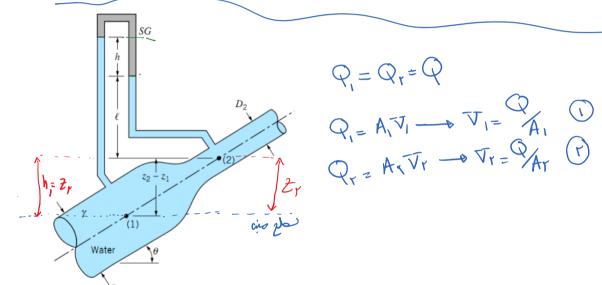
PI, _ VIT = Zr+ Pry+ VIT



True

$$\frac{1}{\sqrt{2}}$$
 $\frac{1}{\sqrt{2}}$
 $\frac{1}{$





$$Q_1 = Q_1 = Q$$

$$Q_{i} = A_{i} V_{i} \longrightarrow V_{i} = A_{i}$$

$$P_{\overline{X}} - P_{\overline{X}} = h[P_{g} - P_{\omega}] - h, P_{\omega}$$

$$v_{x,y}^{r} - v_{x,y}^{r} = \left(\frac{\rho_{r}}{8} - \frac{\rho_{r}}{8}\right) + \left(\frac{2r}{4} - \frac{2r}{4}\right)$$

$$\frac{2}{3}\frac{1}{4} - \frac{2}{3}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{3}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

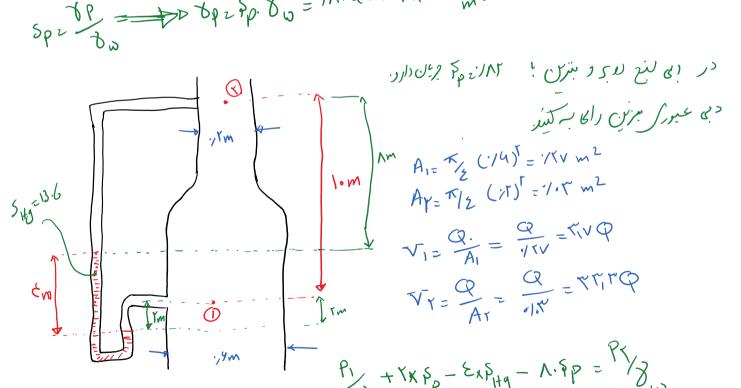
$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4} - \frac{1}{4}\frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4}\frac{1}{4} - \frac{1}{4}\frac{1}{4}\frac{1}{4} = (\frac{1}{2} - \frac{1}{2}) + (\frac{1}{2} - \frac{1}{2})$$

$$\frac{2}{3}\frac{1}{4}\frac$$



$$\sqrt{1 = \frac{Q}{A}} = \frac{Q}{\sqrt{1}} = \sqrt{1}\sqrt{Q}$$

$$\nabla Y = \frac{Q}{Ar} = \frac{Q}{118} = 4878$$

$$\frac{P_{r}}{\delta \omega} - \frac{P_{r}}{\delta \omega} = -\delta A_{1} c A_{1} \times \frac{10}{\delta p}$$

$$\frac{P_{r}}{\delta \rho} - \frac{P_{r}}{\delta \rho} = -\delta A_{1} c A_{1} \times \frac{10}{\Lambda_{1} Y} = -V r M$$

$$\frac{P_{r}}{\delta \rho} - \frac{P_{r}}{\delta \rho} = -\delta A_{1} c A_{1} \times \frac{10}{\Lambda_{1} Y} = -V r M$$

$$\frac{P_{r}}{\delta \rho} - \frac{P_{r}}{\delta \rho} + \frac{(c c c Q_{1})^{r}}{Y_{0}} + \frac{(c c c Q_{1})^{r}}{Y_{$$