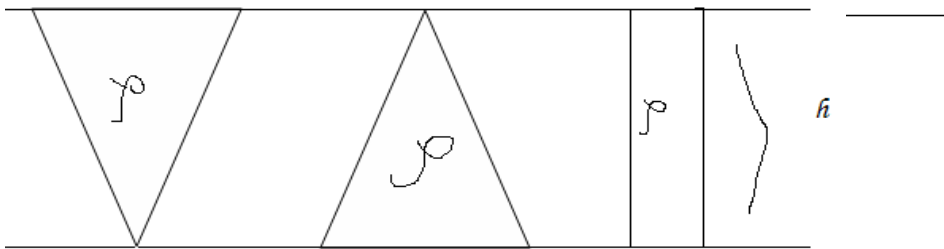
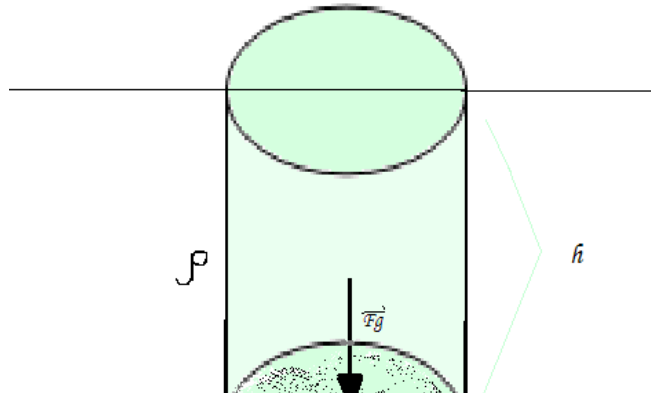


HidROSTATIČNI TLAK



ampak od višine in gostote.

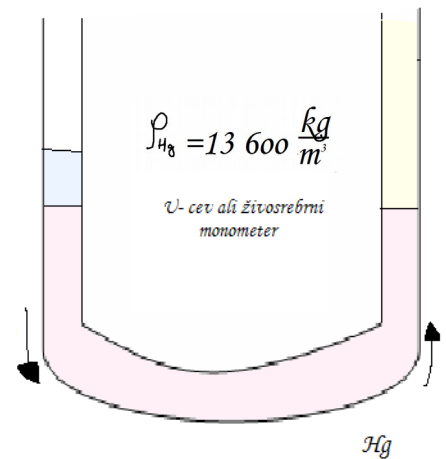
Tlak ni odvisen od oblike posode,

$$p = \frac{F}{S} = \frac{F_g}{S} = \frac{m \cdot g}{S} = \frac{\rho \cdot V \cdot g}{S} = \frac{\rho \cdot S \cdot h \cdot g}{S}$$

$$F_g = m \cdot g$$

$$m = \rho \cdot V$$

$$V = S \cdot h$$



$$p = \rho \cdot h \cdot g$$

tlak = gostota * globina * gravitacija

$$\rightarrow \frac{\text{kg}}{\text{m}^3} \cdot \frac{\text{m}}{\text{s}^2} = \frac{\text{N}}{\text{m}^2} = \text{Pa}$$