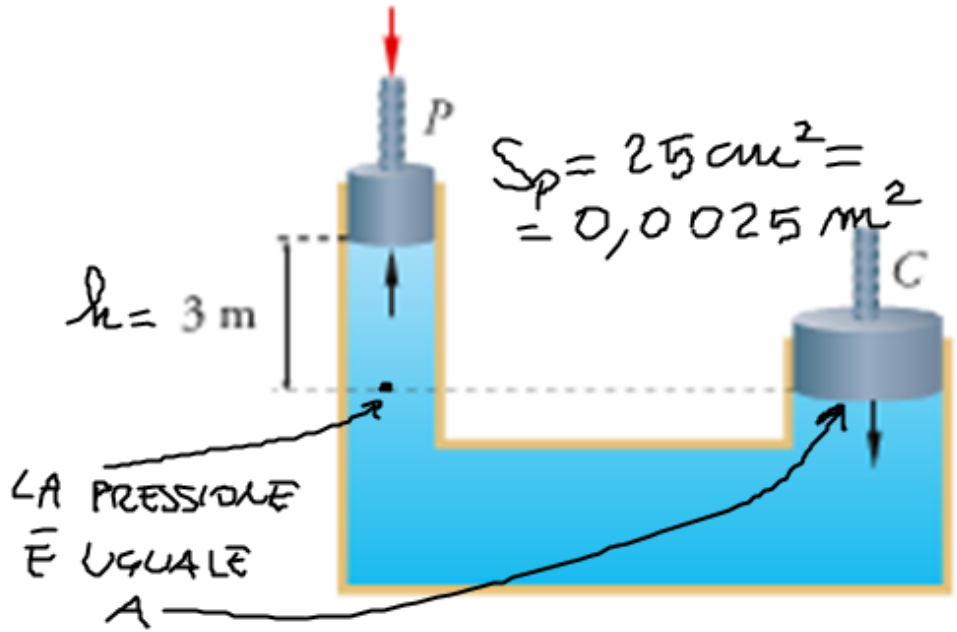
PAG. 128

N 34



$S_p = 25\,cm^2 = 0{,}0025\,m^2$

$m_c = 1000\,kg$

$S_c = 3\,dm^2 = 0{,}03\,m^2$

$d = 800\,\frac{kg}{m^3}$

$$\frac{P_p}{S_p} + d\,h\,g = \frac{P_c}{S_c}$$

$$\frac{P_p}{S_p} = \frac{P_c}{S_c} - d\,h\,g$$

$$P_p = \left(\frac{P_c}{S_c} - d\,h\,g\right) S_p =$$

$$= \left(\frac{1000 \cdot 9{,}8}{0{,}03} - 800 \cdot 3 \cdot 9{,}8\right) 0{,}0025\,N$$

$$= 758\,N$$

N 47

$1500\ mbar = 1{,}5\ bar$

$1\ bar = 10^5\ Pa$

$1\ Pa = ?\ atm \longrightarrow 1\ Pa = \frac{1}{1{,}013 \times 10^5}\ atm$

$1\ atm = 1{,}013 \times 10^5\ Pa$

$1500\ mbar = 1{,}5 \times 10^5\ Pa = 1{,}5 \times 10^5 \times \frac{1}{1{,}013 \times 10^5}\ atm =$

$10^5\ Pa$ = bar