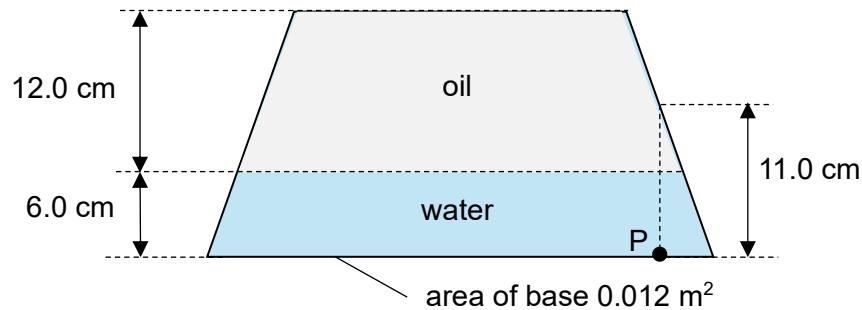


- 5 A container is filled with oil and water. The oil has a mass of 0.40 kg and density  $750 \text{ kg m}^{-3}$ . The water has a mass of 0.30 kg and density  $1000 \text{ kg m}^{-3}$ .



What is the pressure exerted by the oil and water at point P on the base of the container?

- A  $5.7 \times 10^2 \text{ Pa}$       B  $9.6 \times 10^2 \text{ Pa}$       C  $1.5 \times 10^3 \text{ Pa}$       D  $1.0 \times 10^5 \text{ Pa}$