

The dyne is a unit of force specified in the centimetre-gram-second (CGS) system of units.

$$1 \text{ dyn} = 1 \text{ g}\cdot\text{cm}/\text{s}^2 = 10^{-5} \text{ kg}\cdot\text{m}/\text{s}^2 = 10^{-5} \text{ N}$$

$$6 \text{ dyne}/\text{cm} = 6 \cdot 10^{-5} \text{ N}/\text{cm}^2$$

$$P = 6 \cdot 10^{-5} \text{ N}/\text{cm}^2 \cdot 10 = 6 \cdot 10^{-4} \text{ N}/\text{cm}^2 = 6 \cdot 10^{-8} \text{ N}/\text{m}^2 = 6 \cdot 10^{-8} \text{ Pa}$$