
Pressure

Pressure is the amount of equal force applied (measured in N) to a specific area (measured in m²):

$$p = F/A$$

Pressure from a gas is the result of countless collisions of rapidly moving molecules with the walls of the container.

Units of pressure:

Name	Symbol	Value
pascal	1 Pa	1 N m ⁻² , 1 kg m ⁻¹ s ⁻²
bar	1 bar	10 ⁵ Pa
atmosphere	1 atm	101325 Pa
torr	1 Torr	101325/760 Pa = 133.32 Pa
mm of mercury	1 mm Hg	133.322 Pa
pound per sq inch	1 psi	6.894 757 kPa