

1 Pressure

Preamble

These preambles are feeling more dreadful to write because pressure is building up.

1.1 Pressure

Definition 1.1: Pressure

Pressure is defined as the amount of force per unit area. It is given as

$$p = \frac{F}{A}$$

. The SI unit of pressure is the pascal [Pa].

Equation 1.1: Pressure due to a Fluid Column

Fluids of a density ρ can exert pressure at a height h equal to

$$p = \rho gh$$