PRESSURE

Thrust & Pressure :

Thrust = Force = weight (SI unit – newton N)

Pressure = thrust on unit area (SI unit – N/m^2 or pascal (Pa))

Thrust :

It is the force acting perpendicularly to a surface

Pressure depends on :

1. Force – the more the force applied , *larger* is the pressure
2. Area – the more the area is , the lesser is the pressure

Pressure:

It is the force acting normally on unit area .

$$Pressure = \frac{Force}{Area} = \frac{F}{A}$$

Unit of Pressure :

SI Unit - Pascal (Pa)

1 Pa = 1 N/m^2

Other units : atm

1 atm = 76 cm of mercury column