

1.1.9. Pressure

An expression of force exerted on a surface per unit area.

1.1.10. Air Density

The mass per unit of volume of air depending on temperature and humidity. Air density is variable and changes with altitude. The sea level standard value of air density $\rho = 1.229 \text{ kg/m}^3 = 0.00237 \text{ slug/feet}^3$

1.1.11. Design Air Velocity

The desired air velocity through the open door between the pressurized and un-pressurized spaces on the fire floor. To achieve design air velocity it is indispensable to provide properly sized air release from the fire floor.