



Fig. 13-3



Fig. 13-4

### Material and construction:

Outer frame is extruded aluminium section (6063 alloy-T6 temper) cut to length and joined at corners  
 Blades are made of extruded aluminium section (6063 alloy-T6 temper)  
 Front blades are fixed horizontal type having pitch of 38mm  
 Front blades are fixed rigidly to main frame at 45° by Aluminium rivets.  
 As the blades are inclined downwards, rain water entry is prevented.  
 These louvers provide 45% effective pressure area.

### OPTIONAL

Louvers may be supplied with Aluminium or GI bird screen  
 Louvers may be supplied with opposed blade damper at customer's request.

### FRESH AIR LOUVER

Fresh air louver is the same as exhaust air louver supplied with an aluminium air filter  
 Filter frame is made of extruded aluminium profile  
 Filter media is expanded aluminium media  
 Fresh air louvers are used supply fresh clean air to air handling units  
 Fresh air louvers may be supplied with opposed blade damper at customer's request.

**Opening Area Ratio = 0.41**

Air flow rate is calculated by below given formula

Air flowrate Q in

$$\text{CFM} = \frac{0.41 \times \text{width in inches} \times \text{Height inches} \times \text{Face Velocity in FPM}}{144}$$

$$\text{Litre/Sec} = \frac{0.41 \times \text{Width in MM} \times \text{Height in MM} \times \text{Face Velocity in M/S}}{1000}$$

### Pressure Drop Chart

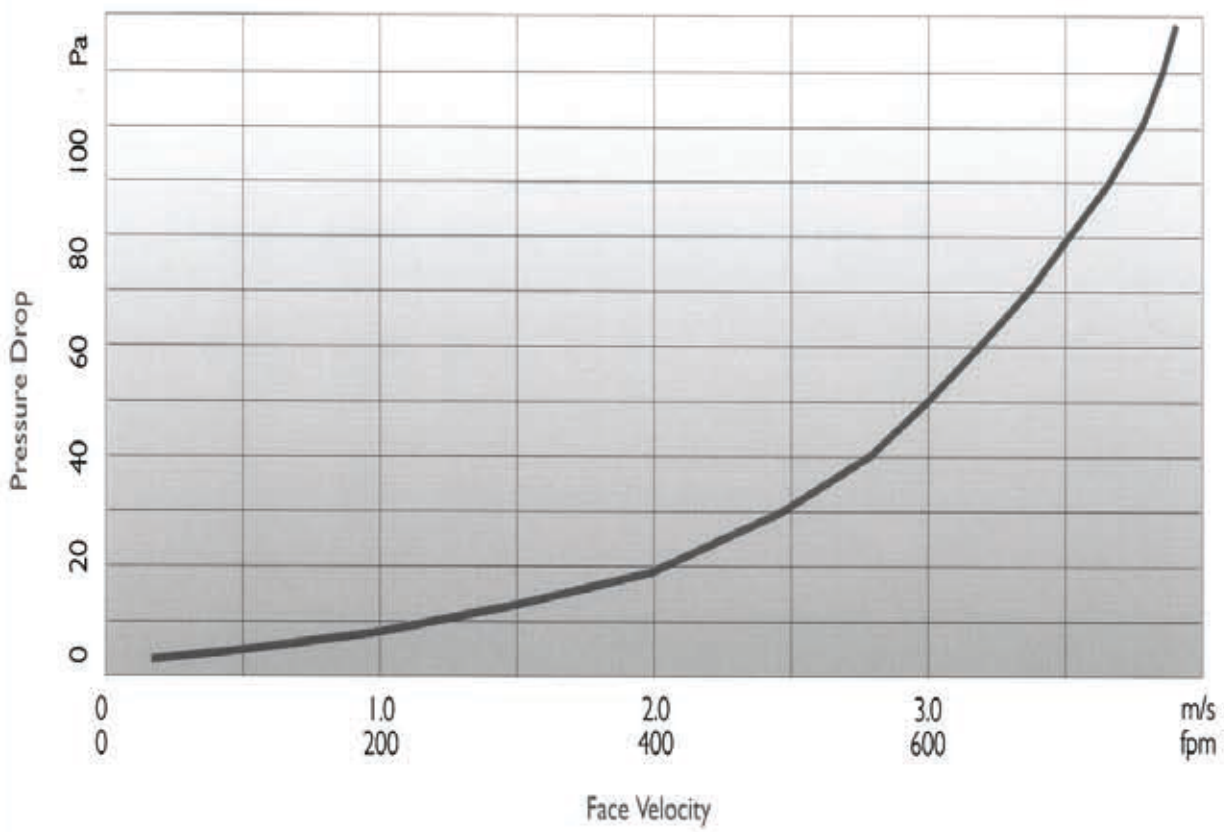


Fig 13-5