



>> The gravity air louver is a wall mounted device. It is composed of a set of horizontally mounted blades; they are normally closed and are free to rotate about the horizontal axis.

>> The blades & frame are manufactured from aluminum extruded profiles.

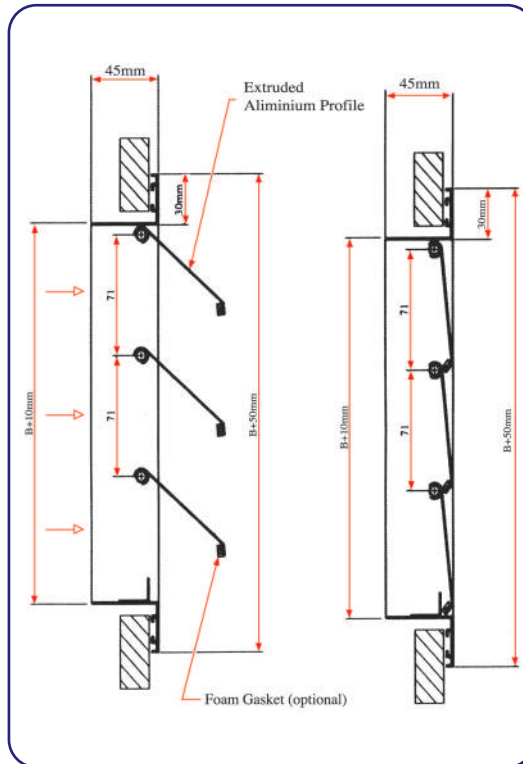
>> Horizontally mounted blades are available with bushes.

>> Free area ratio (approx.) = 0.82 for 100% open blades.

>> To calculate the air flow rate :

$$CFM = \frac{0.82 \times A \text{ (in"}^2) \times B \text{ (in"}^2) \times \text{Face velocity (fpm)}}{144}$$

$$L/S = \frac{0.82 \times A \text{ (mm)}^2 \times B \text{ (mm)}^2 \times \text{Face velocity (m/s)}}{1000}$$

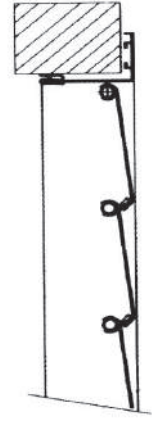


TYPE OF FIXING

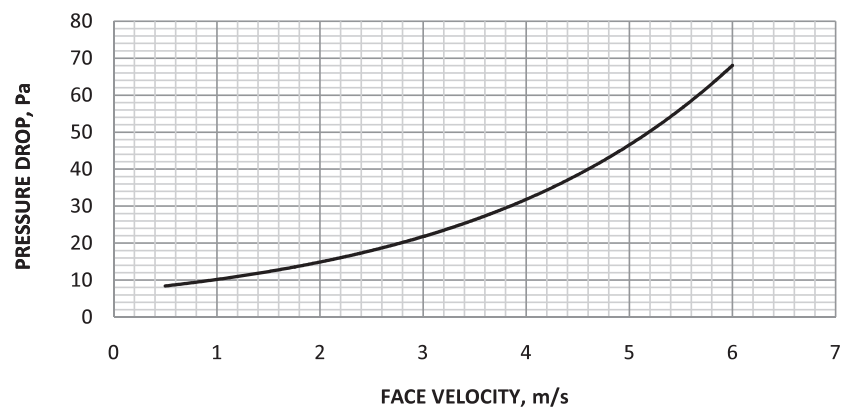
SCREW FIXING



CLIP FIXING



PRESSURE DROP vs. FACE VELOCITY



Ordering Key:

G	A	L	B	CR	SSWM	SIZE
GALB: GRAVITY AIR LOUVER WITH BRASS BUSHES						
GAL: GRAVITY AIR LOUVER WITHOUT BUSHES						
--: WITHOUT CONNECTING ROD ON BLADES						
CR: WITH CONNECTING ROD ON BLADES						
--: WITHOUT SCREEN/WIRE MESH						
IS: WITH G.I. INSECT SCREEN						
SSWM: WITH STAINLESS STEEL WIRE MESH						
SIZE: WIDTH X HEIGHT						
**NOTE: 2000 MM X 2000 MM IS MAXIMUM SINGLE SECTION SIZE						

