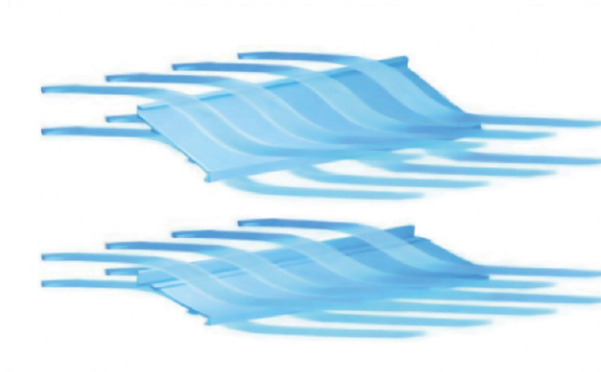




Product Description

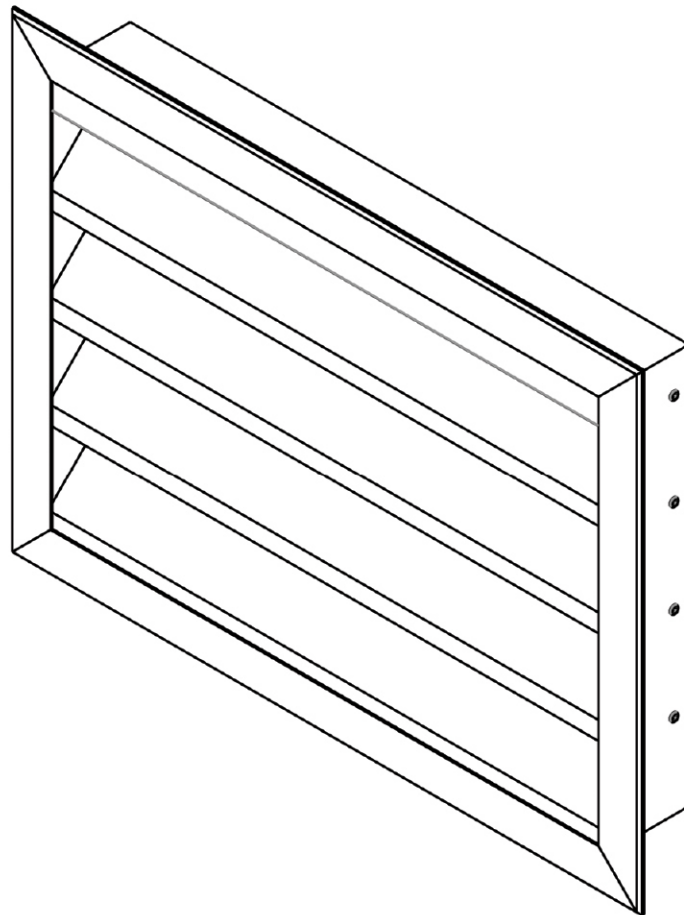
Fresh air louver used for exhaust & fresh air is composed of a set of horizontal mounted fixed blades and inclined down 30° and spaced 1 3/8" (35mm) for small blade type & 2 inch (50mm) for big blade type, which allows air to pass through it while keeping out unwanted elements such as water, dirt etc.

Frame and blades are manufactured from extruded aluminum alloy (6063-T6) and are polyester powder coated RAL (9016 or 9010, other colors available on request).

The FAL is designed for both intake and exhaust opening.



Construction



Options

- Bird or insect screen (Aluminum or Galvanized steel)
- Opposed blade damper.
- Removable and washable air filters, 1 or 2 inches thick.



SELECTION GUIDE

Example:

If a fan requires to suck 6000 cfm through a louver with maximum pressure drop 60 Pa. Estimate the required size.

Solution—At the chart, pivot the pressure drop 60 Pa then intersect with the pressure drop curve to get the face velocity as 300 fpm approximately.

-Minimum required Area = flow rate / face velocity = $6000 / 300 = 20 \text{ ft}^2$

-Select any sizes give at least 20 ft^2
e.g. (4.5 x 4.5) ft. or (6.7 x 3) ft.

PERFORMANCE

Test results conducted on similar equipment indicate a typical efficiency of 80% on AC coarse (20 - 200 microns) and 50% on AC fine test duct (1 to 70 microns)

$$\text{CFM} = \frac{H'' \times W'' \times \text{Air Face Velocity (fpm)}}{144}$$

