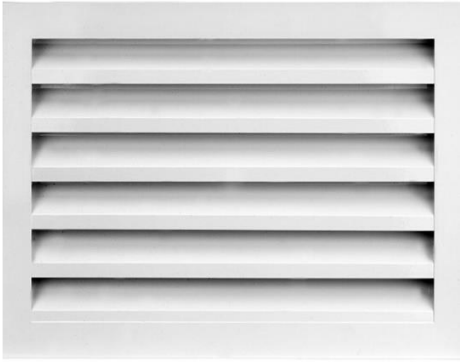




شركة مصنع عالم الناصريه المحدودة

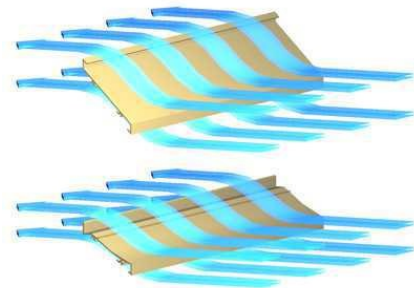
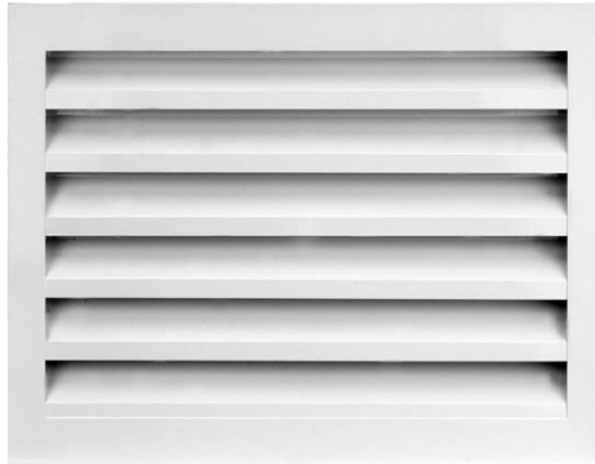
AL NASSERIAH WORLD FACTORY COMPANY LTD

## WEATHER LOUVERS



## ANA Fresh Air Louver :

Is designed for Intake and exhaust the air in a way that protect the internal HVAC units from water and other harmful liquids caused by rain or humidity, commonly used inside wall and outdoor applications. Basically constructed from a frame and a horizontally fixed blades.



## ANA FAL Construction

### Frame :

Constructed from Extruded Aluminum alloy **6063**, with a thickness of **(1.2 mm)** and other gauges are available for heavy duty.

### Blades :

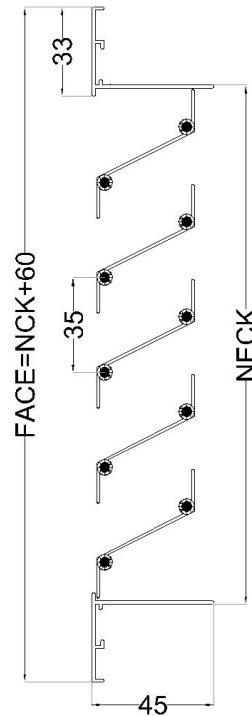
Constructed from extruded Aluminum alloy **6063** in (Z) shaped blade. fixed to the frame using screws and arranged with Fixed distances between each two blades **(35 mm)**, with an angle of **32°**.

### Finish :

Electrostatic powder coating is used for FAL with standard white color for the Frame and the Cores **(RAL 9016)** and other colors are available upon request.

## ANA Exhaust or Fresh Air Louver

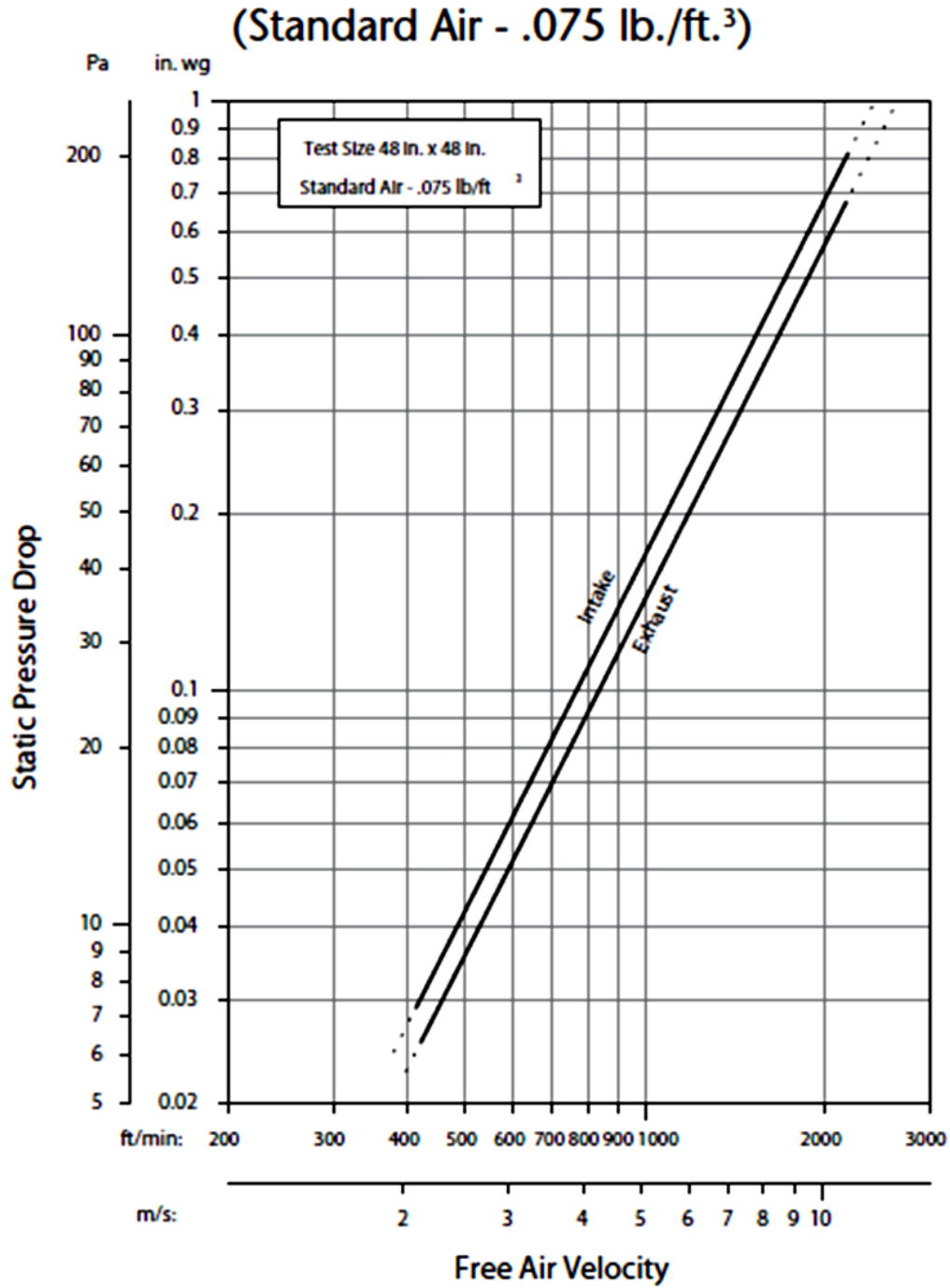
Model : NFAL



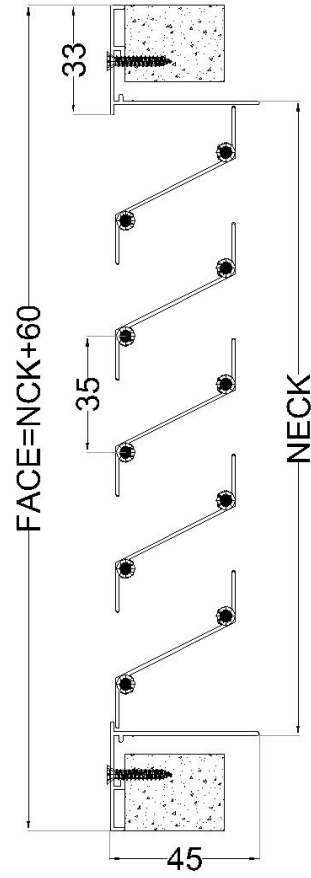
- Horizontally attached blades with **(35mm)** distance between the blades centers can be changed upon customer's request, the blade angle is constructed in **32°** angle and **1.2mm** thickness.
- Bird/Insect screen is fixed on the back side as standard.
- Aluminum washable filter can be added with thickness of (0.5" , 1" , 2") upon request.
- **ANA Robust Fresh Air Louver**—Frame and Blade Thicknesses can be increased upon calculation for heavy duty applications.

## ANA Fresh Air Louver Technical Data & Performance

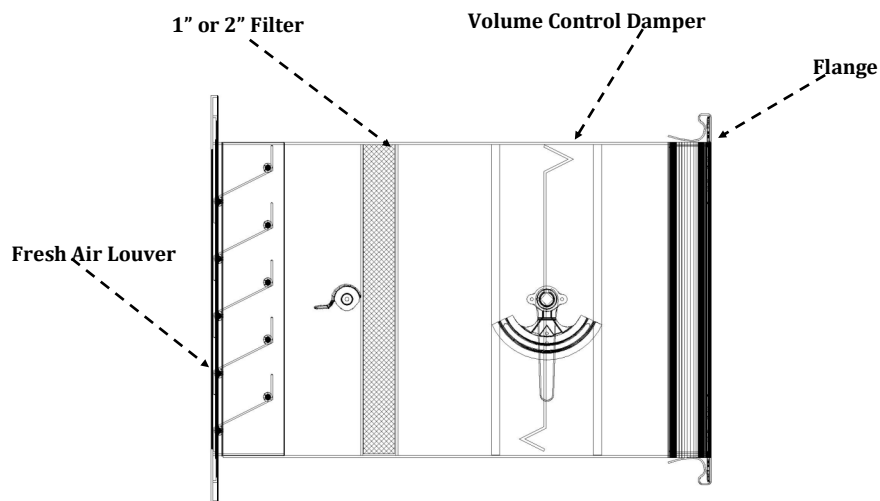
Model : NFAL



## ANA Fresh Air Louver Installation:



## ANA Fresh Air Unit Model : NFAU-F



- Horizontally attached blades with **(35mm)** distance between the blades centers can be changed upon customer's request, the blade angle is constructed in **32°** angle and **1.2mm** thickness.
- Wired Mesh is fixed on the back side, it can be a Bird screen or Insect screen upon the size or customer's request.
- GI duct to contain the items with a duct mate flange connection as standard.
- Manual Volume Damper handle operation or Motorized Volume Damper is also available.
- Aluminum washable filter is added with the thicknesses (0.5" , 1" or 2"), bag filter is also available.

**Note:** Customer must confirm the position of the damper quadrant or actuator and access door of filter at either left or right side from the Fresh air louver face.

## **ANA Sand Trap Louver :**

Is designed for Intake air reducing the dust and sand load on Internal HVAC units, commonly used in outdoor applications. Basically constructed from a horizontally fixed blades with drain holes to trap the sand.



## **ANA STL Construction**

### **Frame :**

Constructed from Extruded Aluminum alloy **6063**, with a thickness of **(1.5 mm)** or Galvanized steel and other gauges are available for heavy duty. Frame depth of **(100 mm)** with holes from the down side to drain the sand.

### **Blades :**

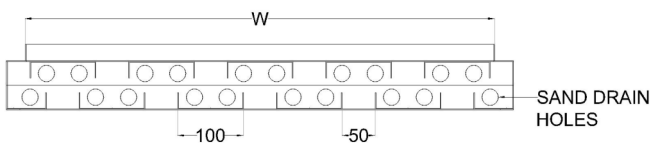
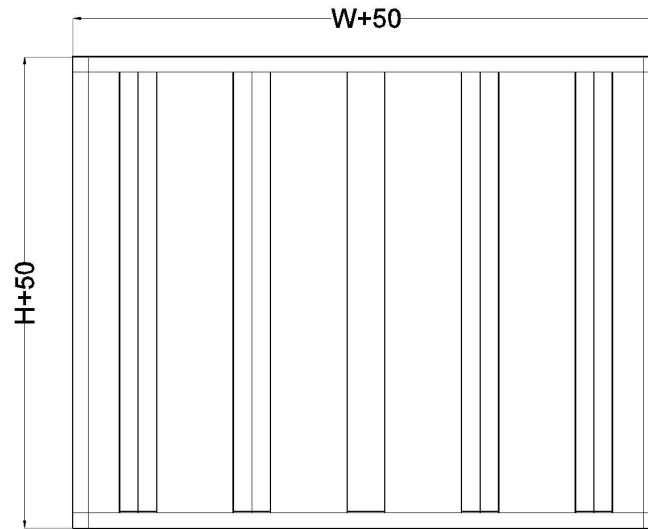
Constructed from Extruded Aluminum alloy **6063** with a thickness of **(1.2 mm)** as ( C ) shaped blades or Galvanized steel fixed vertically to the body using rivet, two blades sets in front side and the back side of the body. The blades arranged with Fixed distances for each two blades **(50 mm)**, with two sand drain holes in each blade.

### **Finish :**

Electrostatic powder coating is used for STL with standard white color for the Frame and the Blades **(RAL 9016)** and other colors are available upon customer request.

## ANA Sand Trap Louver (Wall Mounted)

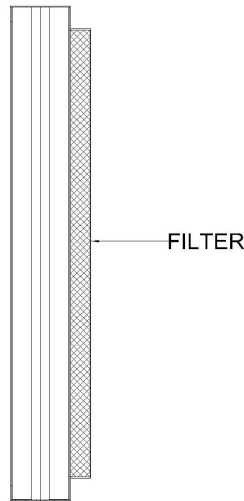
Model : NSTL-W



- Vertically attached blades with **(50mm)** distance between each two blades, the blade angle is constructed in **( C )** shaped with **(1.2mm)** thickness, and sand drain holes from the bottom side.
- Bird/Insect screen is fixed on the back side as standard.
- Sand chute options are available upon request
- Aluminum washable filter can be added with thickness of (0.5" , 1" , 2") upon request.
- **Heavy Duty Sand Trap Louver** - Frame and Blade Thicknesses can be increased upon calculation for heavy duty applications.

## ANA Sand Trap Louver With Filter

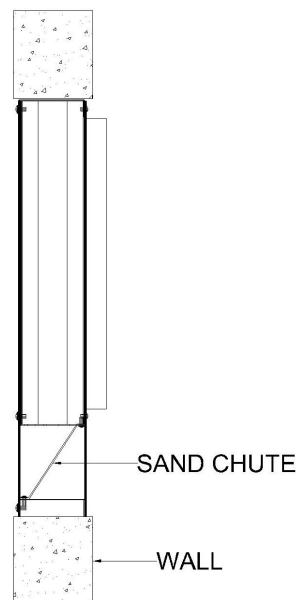
Model : NSTL-W-F



- Vertically attached blades with **(50mm)** distance between each two blades, the blade angle is constructed in **( C )** shaped with **(1.2mm)** thickness, and sand drain holes from the bottom side.
- Bird/Insect screen is fixed on the back side as standard.
- Aluminum washable filter can be added with thickness of (0.5" , 1" , 2") or bag filter upon request.

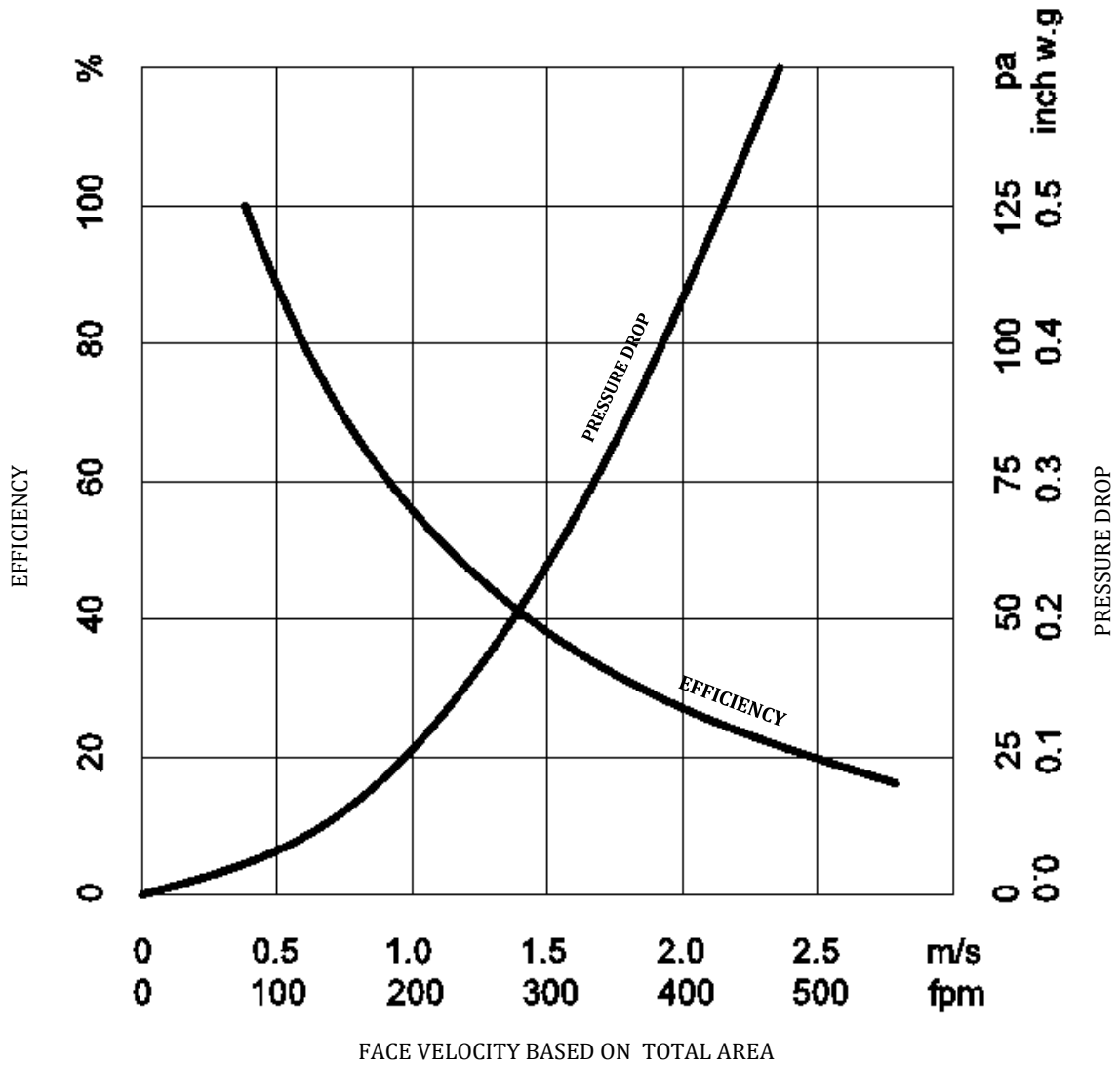
## ANA Flush Mounted Sand Trap Louver

Model : NSTL-F



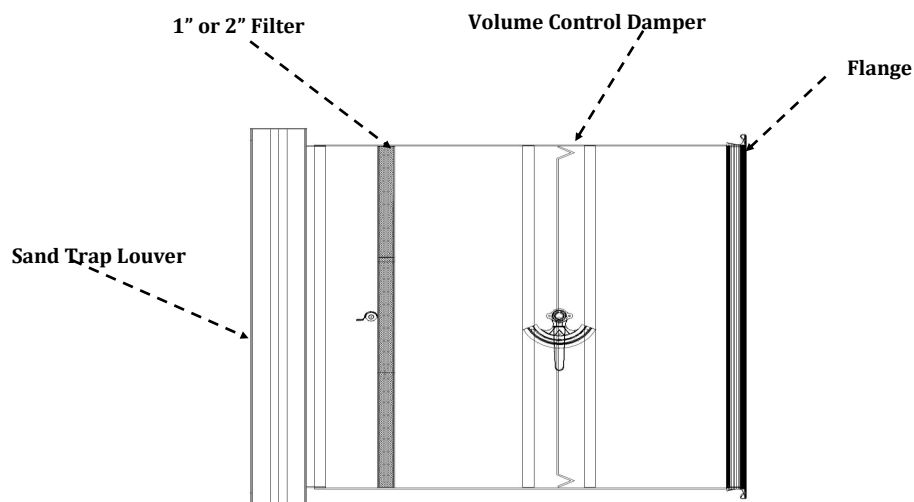
- Vertically attached blades with **(50mm)** distance between each two blades, the blade angle is constructed in **( C )** shaped with **(1.2mm)** thickness, and sand drain holes from the bottom side.
- For heights of more than 1 meter, sand chute (Aluminum tray) is added to the bottom side of the STL.
- Bird/Insect screen is fixed on the back side as standard.
- Aluminum washable filter can be added with thickness of (0.5" , 1" , 2") upon request.

## ANA Sand Trap Louver Performance Data :



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

## ANA Fresh Air Unit Model : NFAU-S



Vertically attached blades with **(50mm)** distance between the blades with holes from the down side to drain the sand.

- Bird screen or Insect screen upon the customer's request.
- GI duct to contain the items with a duct mate flange connection as standard and other connections are available upon request.
- Manual Volume Damper handle operation or Motorized Volume Damper is also available.
- Aluminum washable filter is added with the thicknesses (0.5" , 1" or 2"), bag filter is also available.

**Note:** Customer must confirm the position of the damper quadrant or actuator and access door of filter at either left or right side from the Fresh air louver face.

## ANA Pent House Louver

Model : NPHL-X

ANA Pent House Louver is louvered assembly installed on the roof to allow transfer of air through roof openings while protecting the opening from weather elements. Penthouse louvers are typically four louvers joined together with a roof with M.S Tubes.



- Fresh Air Louver Penthouse has horizontally attached blades with **(35mm)** distance between the blades centers determined to match pressurization design requirements, the blade angle is constructed in **32°** angle and **1.2mm** thickness.
- Sand Trap Louver Penthouse has vertically attached blades with **(50mm)** distance between each two blades, the blade angle is constructed in **( C )** shaped with **(1.2mm)** thickness, and sand drain holes from the bottom side.
- Used on top of roofs or stations, to protect from wind, rain and to exhaust excessive air to maintain a maximum pressure level.
- Bird/Insect screen can be fixed on the back side upon request.

\*X - Fresh air louver or Sand Trap Louver

