AIR CONTROL INDUSTRY

LOUVERS

QUALITY ASSURANCE

An ISO 9001:2015 certified company
Product tested and approved by ETL testing laboratories USA

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MADE IN UAE

LOUVERS

CONTENTS

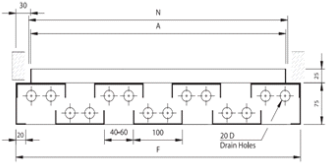
SAND TRAP LOUVERS

- Sand trap louvre is designed to separate large size sand particles from intake air at low air velocities thus avoiding excessive dust loading of conventional filters. It is not intended as a substitute for conventional supply air filtration plant. It gives excellent performance for air filtration at moderate pressure drops and low air velocities.
- The sand trap louver is made of extruded aluminium sections. It is composed of two sets of Inverted U-channels, mounted vertically on two opposite rows.
- Frame thickness 1.2 mm and blade thickness 1.5 mm (ask for other options).
- The sand trap louver is used at the fresh air inlet. It can lower the dust loading of conventional filtration as it is designed to separate large size sand particles at low to medium speeds.
- Fixed with GI bird screen / insect screen – standard. Also available with stainless steel screen.
- Also available in self-cleaning type that has a set of holes at the bottom of the casing to discharge separated sand particles.
- Available in powder coated colour finish on request.

AVAILABLE MODELS

1. AC-STL (STANDARD)

- GI bird screen (standard).
- 20mm holes at the bottom for of the frame for sand particles.
- Also available with filter, Model – AC-STL F.



2. AC-STL SC

- GI bird screen (standard).
- This type of model is usually selected when the STL is required to be installed in plane with the external wall of the building from outside. It is provided with especially designed sand chute tray in order to ensure the discharge of the captured sand or dust to outside of the building .
- Also available with filter. Model - AC-STL SC F
- With Opposed Blade Damper Model - AC-STL SC D
- With both the Filter and Damper Model - AC-STL SC DF

F : Nominal/Listed Size (Face Size) = Length (L) x Height (H)
*A : Actual Size = (L-5) * (H-5)*
N : Neck Size = (L-55) x (H-55)
Flush Mounted Sand Trap Louvers furnished approximately 5 mm less than the Nominal/Listed face size.
All Dimensions are in mm and subject to +1 mm tolerance.

Flushed inside the wall level

FIXING DETAILS

1. Angle Fixing (angle not included) For large sizes, it's recommended to use supporting angle to provide reinforcement.

2. Screw is fixed through the neck to the wall.

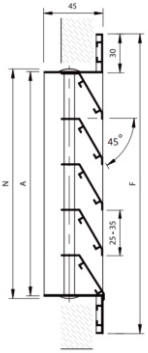
EXHAUST/FRESH AIR LOUVERS

- The exhaust air louver is used in HVAC applications for intake & discharge.
- EAL is made of extruded aluminium sections
- EAL is composed of a set of blades made of extruded aluminium profile arranged in 45 degree in horizontal rows and inclined downward to protect against rain water.
- 30 mm frame width, ask for other options.

AVAILABLE MODELS

1. AC - EAL (STANDARD)

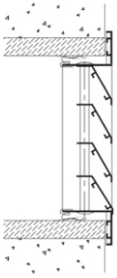
- GI bird screen (standard).



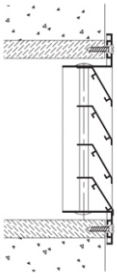
2. AC - FAL (STANDARD)

- Aluminium filter (Standard).

FIXING DETAILS



Clip fixing
(concealed type)



Screw fixing
(visible type)