



Sand Trap LOUVERS

SAND TRAP LOUVERS SA-T TYPES

Sand trap louver with bird screen :

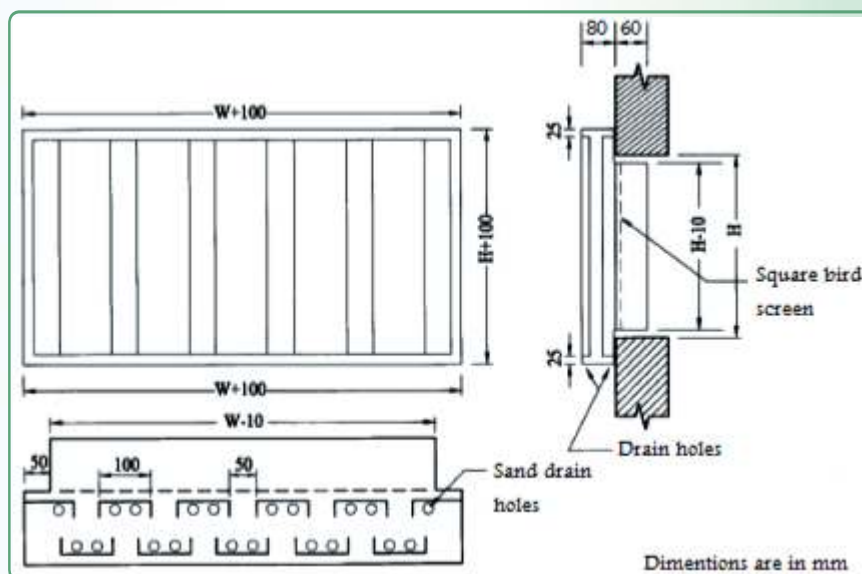
Construction:

- Frame and blades:
1.5 mm and 1.2 mm thick high quality galvanized steel.
- Bird screen:
12 mm x 12 mm x 1.5 mm dia galvanized steel wire mesh as standard.
12 mm x 12 mm x 1 mm dia G.I wire mesh as optional.
- Drain:
20 mm dia self drain holes at the bottom of the louver.



Description:

- The frame and blades are of high quality galvanized steel construction with the advantages of corrosion resistance and rigidity.
- Composed two sets of inverted U – channels mounted vertically on two opposite rows.
- Drain holes of diameter 20mm are provided in two rows at the bottom of the louver for emptying filtered sand and dust.
- Can be manufactured from galvanized steel sheets as option.
- Designed to separate sand and dust from the air stream .
- Generally used for ventilation applications and at inlet duct of air handling unit.



Standard finishes:

- Natural galvanized steel.
- Finish as per RAL color codes.
- Flexibility of finishing available on option.

Sand trap louver with filter :

Construction:

- Frame and blades:
1.5 mm and 1.2 mm thick high quality galvanized steel
- Bird screen:
12 mm x 12 mm x 1.5 mm dia galvanized steel as standard.
12 mm x 12 mm x 1 mm dia G.I wire mesh as optional.
- Drain:
20 mm dia self drain holes at the bottom of the louver.
- Filter frame:
16 gauge galvanized steel
- Filter media:
galvanized steel media.

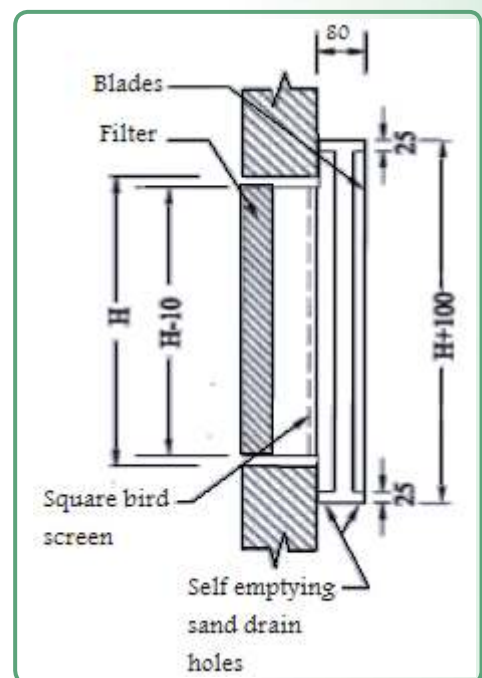


Description:

- The frame and blades are of high quality galvanized steel construction with the advantages of corrosion resistance and rigidity.
- Composed two sets of inverted U – channels mounted vertically on two opposite rows.
- Drain holes of diameter 20mm are provided in two rows at the bottom of the louver for emptying filtered sand and dust.
- Fixed with a removable washable extruded aluminium filter with aluminium mesh as the filter media.
- Filters are available at 12, 25, 40 and 50 mm thickness as required.
- Total assembly is designed to operate at medium and high velocities with high dust holding capacity at low resistance to air flow.
- Can be manufactured from galvanized steel sheets as option.
- Design to separate sand and dust from the air stream. Generally used for ventilation applications and at inlet duct of air handling unit.

Standard finishes:

- Natural galvanized steel
- Finish as per RAL colour codes.
- Flexibility of finishing available as option.



Sand trap louver with damper

Construction:

- **Frame and blades:**
1.5 mm and 1.2 mm thick high quality galvanized steel
- **Bird screen:**
12 mm x 12 mm x 1.5 mm dia galvanized steel mesh as standard.
12 mm x 12 mm x 1 mm dia G.I wire mesh as optional.
- **Drain:**
20 mm dia self drain holes at the bottom of the louver.
- **Damper:**
Galvanized steel sheet construction.
- **Damper blades:**
High quality galvanized steel

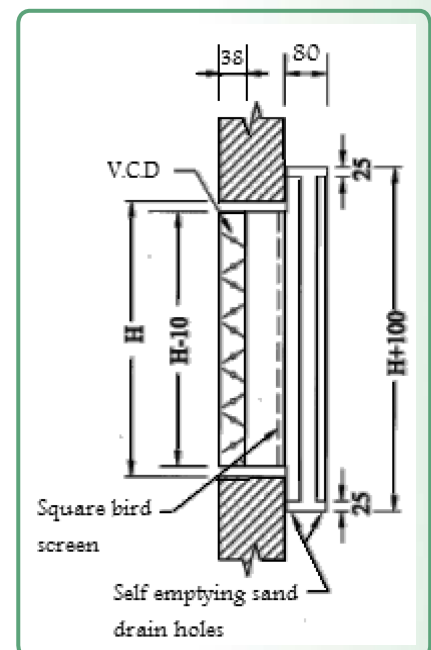


Description:

- Manufactured from high quality galvanized steel with the advantages of corrosion resistance and rigidity.
- Composed two sets of inverted U – channels mounted vertically on two opposite rows.
- Drain holes of diameter 20 mm are provided in two rows at the bottom of the louver for emptying filtered sand and dust.
- Fixed with a removable volume control damper to ensures positive control over the fresh air stream.
- Damper can be operated manually from the back of the louver or can be motor operated.
- Designed to separate sand and dust from the air stream. Generally used for ventilation applications and at inlet duct of air handling unit.

Standard finishes:

- Natural galvanized steel
- Finish as per RAL color codes.
- Flexibility of finishing available as option.





Sand trap louver with damper and filter :

Construction:

- Frame and blades:
1.5 mm and 1.2 mm thick high quality galvanized steel
- Bird screen:
12 mm x 12 mm x 1.5 mm dia galvanized steel mesh as standard.
12 mm x 12 mm x 1 mm dia G.I wire mesh as optional.
- Drain:
20 mm dia self drain holes at the bottom of the louver.
- Damper:
Galvanized steel sheet construction.
- Damper blades:
High quality extruded aluminium profiles.
- Filter frame:
16 gauge aluminium sheet.
- Filter media:
galvanized steel mesh.

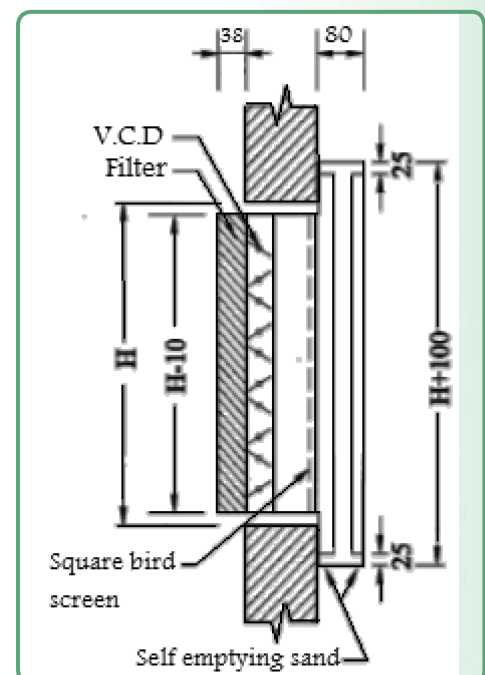


Description:

- The frame and blades are of high quality galvanized steel construction with the advantages of corrosion resistance and rigidity.
- Composed two sets of inverted U – channels mounted vertically on two opposite rows.
- Drain holes of diameter 20 mm are provided in two rows at the bottom of the louver for emptying filtered sand and dust.
- Fixed with a removable filter and volume control damper which ensures positive control over the fresh air stream.
- Damper can be operated manually by a projected lever or can be motor operated.
- Aluminium filters with washable expanded aluminium media, as the filter media are available in 12, 25, 40 and 50 mm thickness as required.
- Designed to separate sand and dust from the air stream. Generally used for ventilation applications and at inlet duct of air handling unit.

Standard finishes:

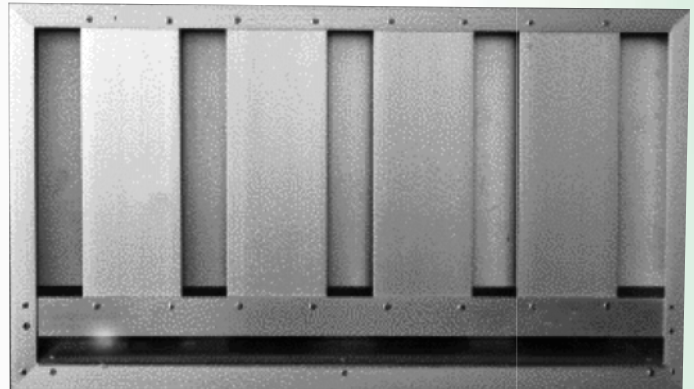
- Natural galvanized steel.
- Finish as per RAL colour codes.
- Flexibility of finishing available as option.



Flush mounded sand trap louver :

Construction:

- Frame and blades:
1.5 mm and 1.2 mm thick high quality galvanized steel.
- Bird screen:
12 mm x 12 mm x 1.5 mm dia
galvanized steel mesh as standard.
12 mm x 12 mm x 1 mm dia G.I wire
mesh as optional.
- Sand chute:
galvanized steel tray of 1.2 mm
thick.

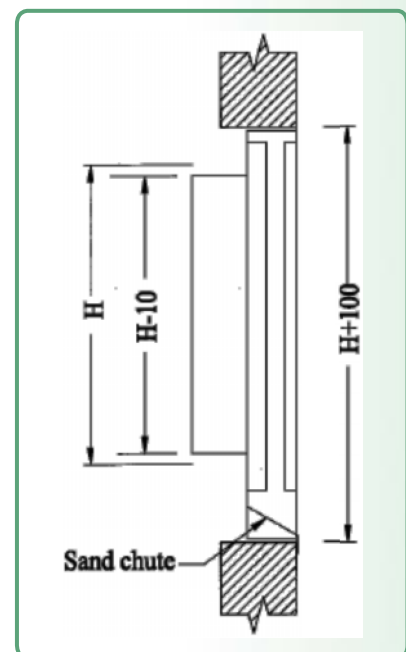


Description:

- The frame and blades are of high quality galvanized steel construction with the advantages of corrosion resistance and rigidity.
 - Composed two sets of inverted U – channels mounted vertically on two opposite rows.
 - Surface of the louver is fixed flush on the plane of the wall.
- The filtered sand will be drained through a sand chute.
- Sand chute is an inclined tray fixed at the bottom of the louver for sand drain.
 - Designed to separate sand and dust from the air stream.
 - Generally used for ventilation applications and at inlet duct of air handling unit.

Standard finishes:

- Natural galvanized steel.
- Finish as per RAL colour codes.
- Flexibility of finishing available as option.





Standard Sizes:

- Available in square and rectangular sizes.
- All combinations of width x height.
- Non Standard sizes are available.

Width in mm	150	300	450	600	750	900	1050	1200	1350	1500
Height in mm	150	300	450	600	750	900	1050	1200	1350	1500

Fixing details:

- Concealed screw fixing as per the site conditions.

Ordering example:

To select sand trap louver, damper and filter assembly, of size 1200 x 900 mm, quantity:75 nos, with galvanized steel.





Performance data:

1. Sand rejection efficiency:

Tests conducted on similar equipment as Model SA-T indicate a typical efficiency of

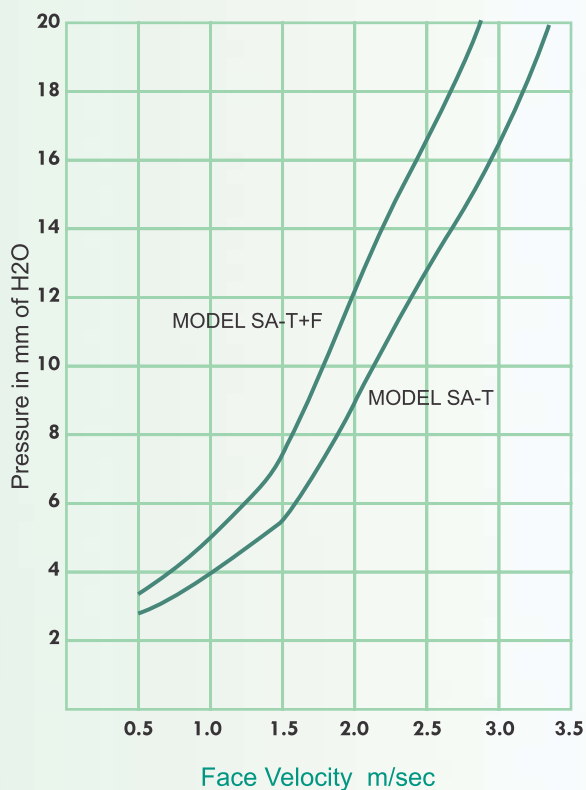
90 percent on 200 to 700 microns

80 percent on 20 to 200 microns

50 percent on 1 to 70 microns

Better efficiency can be achieved by sand trap louvers with washable aluminium filters.

Pressure loss vs. Face velocity



% Efficiency Vs Face velocity in m/sec.

