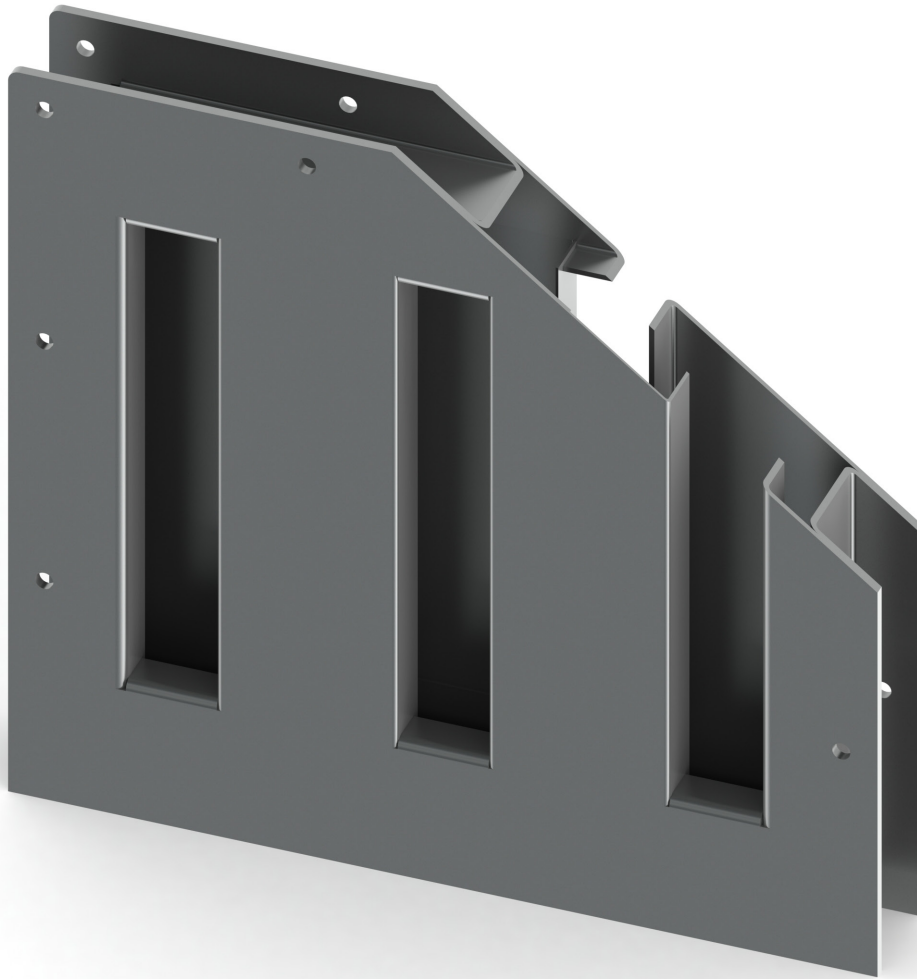


## Sand Trap Louvre (STL)

Designed to remove the bulk of airborne sand and dust from inlet air in dry, dusty or sandy climates whilst maintaining reasonable air flow rate characteristics by means of a double blade design.



## Sand Trap Louvre

Veotec sand trap louvres are capable of performing as natural ventilators or to alleviate the load on the main filtration stages of air conditioning equipment.

Sand and dust is evacuated from the base of the louvre by means of slots in the base, keeping maintenance to a minimum and ensuring the design airflow rate under all conditions.

## Features & Benefits

- Small size and flexibility, due to modular concept
- Low cost and long life product design
- No maintenance, the system filter does not need any regular maintenance as the filtered dust is automatically and continuously evacuated.

## Performance Improvements

Through an extensive R&D program and by using state of the art CFD analysis we have taken the traditional sand trap performance to new levels. We have also reduced the pressure loss by 53%.

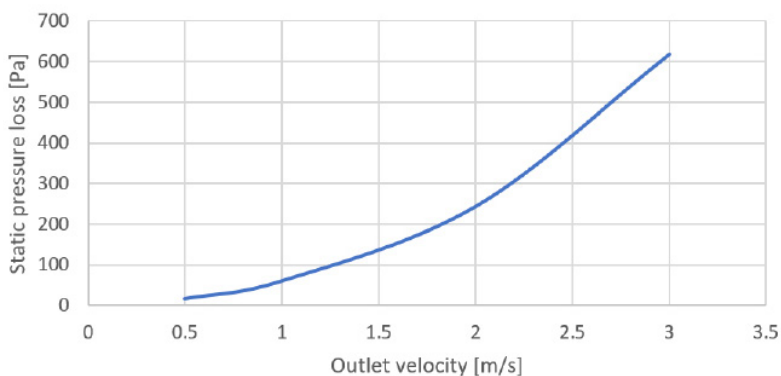
## Notes to Performance Data

- a. Pressure loss data based on atmosphere to duct readings [inlet mode]
- b. Data given based on performance without insect screen

The pressure loss table indicates pressure drops against inlet velocities up to a maximum of 3.0 m/s. In practice, velocities above 2.0 m/s are usually undesirable in dusty/sandy atmospheres as the ability of the louvre to remove airborne particles decreases to unacceptable levels above this velocity. Efficiency of approximately 40 – 60% can be expected at a velocity of 1.5 m/s, dependent on sand/dust particle size.

## Performance

Pressure Loss



## Technical Information

- Available in Stainless Steel or Marine Grade Aluminium
- Insect screen or bird screen available as option.



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