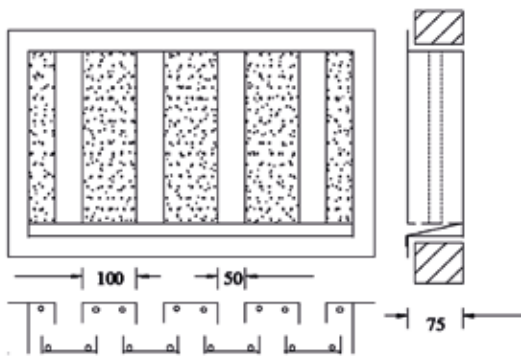


# SAND TRAP LOUVRE

## Information & Spec Sheet



## DESIGN

To restrict Sand and Dirt from entering structures, they also keep out rain from all angles. The debris falls to the bottom and out the front face.

Sand Trap Louvres are used as a Pre-Filter for Ducting and HVAC Systems. They can lower the Dust Loading of Conventional Filtration as it is Designed to Separate Large Type of Sand Particles at Low and Medium Velocities. The Sand Trap is also acting as a Weather Louvre removing the need for Conventional Weather Louvre at the Same Time.

The Sandtrap Louvre is Self-Emptying as the particles fall with Gravity out the Bottom Face which mean they have Extremely Low Maintenance Requirements.



All Engineered Air Treatment Damper designs have been tried and tested for over 35 years.

## FEATURES

- Excellent Protection Against Sand Ingress.
- Flexible Module Size
- Tried and Tested Design
- Various Flange Arrangement
- Options For Various Materials
- Excellent Pre-Filter
- Removes Need For Weather Louvre

All materials used are class 'A' Fully traceable as part of ISO 9001



## STANDARD LAYOUT

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MATERIALS	Pre-galvanised M.S Construction
CASING	Pre-Galvanised Mild Steel
BLADES	1.5mm or 2mm
FLANGES	Self Flanged and un-drilled as standard.
FINISH	Powder coating on blades and casing available.

## OPTIONS FOR MATERIALS

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MATERIALS	ALT, 304 ST/ST, 316 ST/ST, ZINTEL
CASING	3mm
FLANGES	Drilled
MESH	½" SQ or Insert Mesh

## OPTIONS

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These can be placed into a penthouse arrangement.



Mesh can be added for customers requirements.

## ADDITIONAL DAMPER INFORMATION

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Engineered Air Treatment Ltd. Pride themselves on solving Damper issues and due to the many options available we would recommend contacting our sales team who would also assist where possible.



We have experience of supplying dampers from -20°C to +60°C



Approx 50Kg's per m<sup>2</sup>. We can supply lifting eyes if required.



Please see graph over-leaf

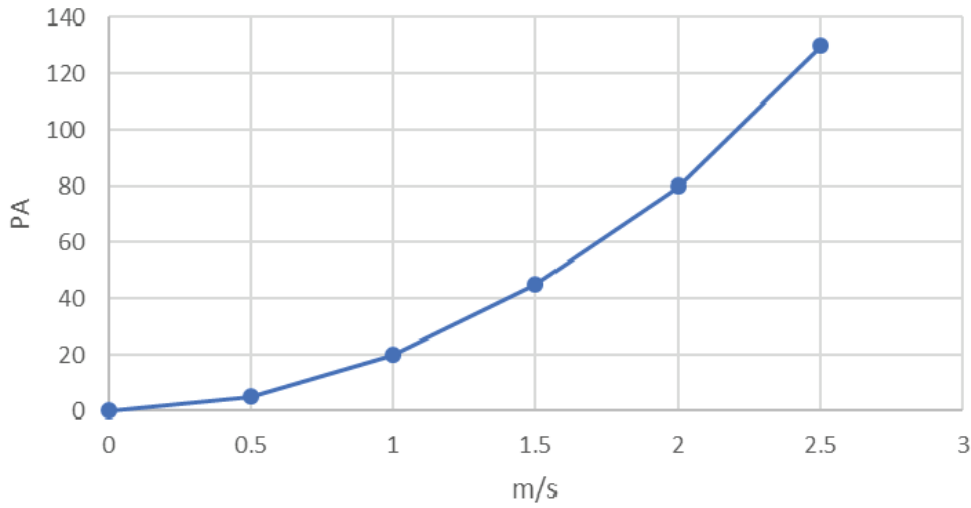


Minimum 2350mm, maximum 2400mm Module size, For bigger sizes speak to sales staff.

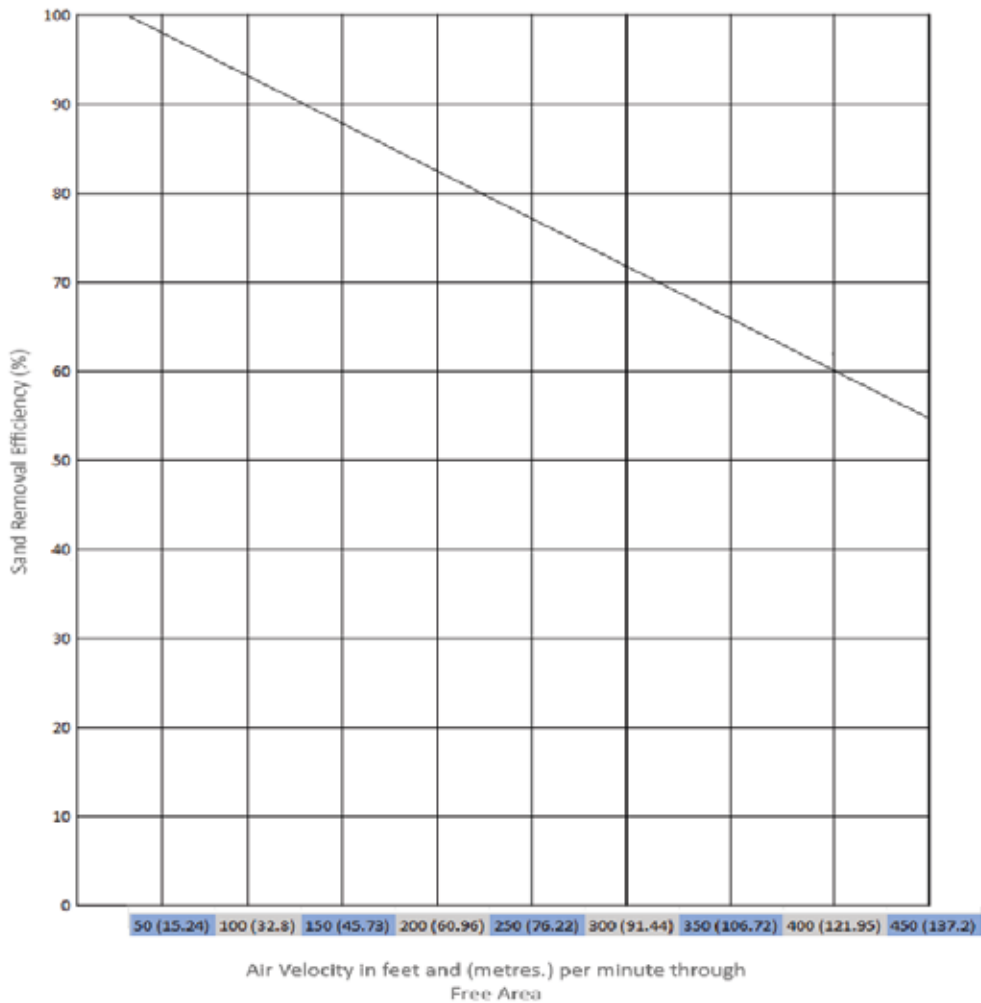
# PRESSURE DROP

Tests on similar equipment indicate an efficiency of 80% on AC. Coarse (20-200 microns) and 50% efficiency on AC. Fine (1-20 microns) test dust.

## Pressure Drop:



## Sand Removal Efficiency:





Engineered Air Treatment are proud of our quality record which allows us to have complete confidence in the products we offer. We adhere to our ISO9001 accreditation and install these values into our valuable employees. This confidence allows us to offer a 2 year warranty with all our products.

We also have complete traceability and files over 20 years old to look back on. We are a can do company.

## CE Marking for Standard Gas Retention Dampers

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The CE marking shall be the only marking which attests the conformity of the product with the applicable requirements of the relevant Community harmonisation legislation providing for its affixing”

There is also currently no relevant Community Harmonisation Legislation for a standard damper to adhere to and so CE marking to an official European standard is not possible.

CE Marking is required if dampers are Classed as fire rated safety products or according the building regulation 2016 a supporting the structure of the building, that is unless it comes into the Bespoke construction Section of the legislation and then due care and diligence needs to be illustrated.

This is our own interpretation of the current legislation and would react accordingly if required by law.

Engineered Air Treatment Ltd are a ISO9001: 2015 certified company, and can offer full material certification and traceability. We can also issue Certificate of Conformity, stating that we have supplied as ordered. We also supply EC Declaration of Incorporation with our products.