

Sand Trap Louvre

Model

STL

Overview

Sand trap louvres are designed to be a pre filter to traditional air filtration plants and can help reduce workloads and maintenance costs by separating larger particles from the air.

HVC Series STL louvres consist of two sets of vertically mounted blades and a special run-off cill. They are of greatest use in areas with large amounts of airborne particles (quarries, grain silos etc), and thanks to their innovative slanted cill, they are virtually maintenance free.

Construction

- Two sets of vertical blades designed to catch maximum amount of airborne dust.
- Slanted cill directly under blades allowing dust/sand to fall away from louvre.
- Traditional drainage holes which are prone to blocking are not used.

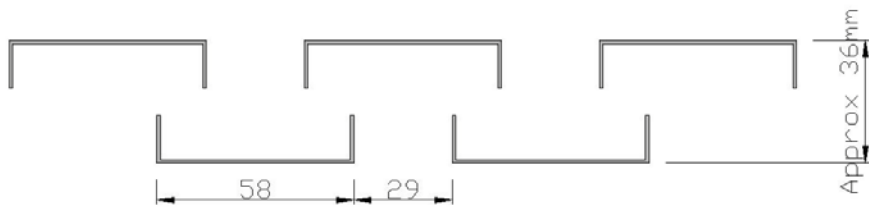
Options and accessories

HVC can supply you a standard Sand Trap Louvre, or a customised unit made to your exact specifications. Please see our list of options and accessories below for an overview of what we can do.

- **Volume control damper** – Combination units of an acoustic louvre and an adjustable volume control damper of traditional or UPVC construction can be manufactured. Please see the PDF entitled 'Combination Units' for more details.
- **Bird/Insect mesh** – Either type of mesh can be fitted to the rear of a unit to prevent birds or insects being able to penetrate the louvre.
- **Finishes** - HVC can polyester powder coat or nylon coat your Series AL Louvre to any RAL or BS colour, non painted (STD) finish is mill.
- **Blanking plate** - Blanking plates enable a portion or all of the louvre to be disabled.
- **Fixings** – Countersunk fixing holes and screws, or concealed fixing lugs are available to aid fitting.

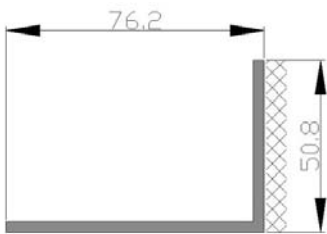


Blade details



For maximum protection against the penetration of airborne particles through the louvre, blades are arranged as shown to leave no direct path through louvre.

Frame type



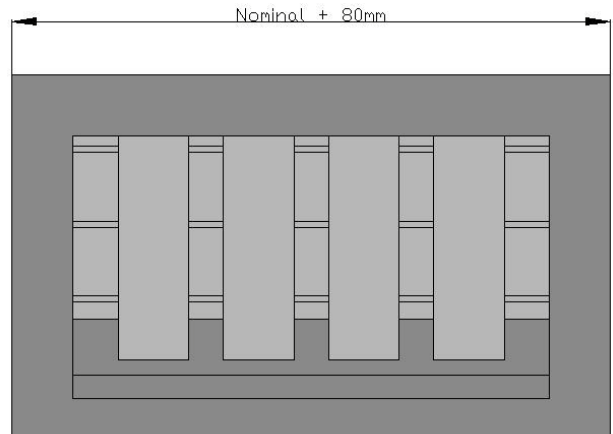
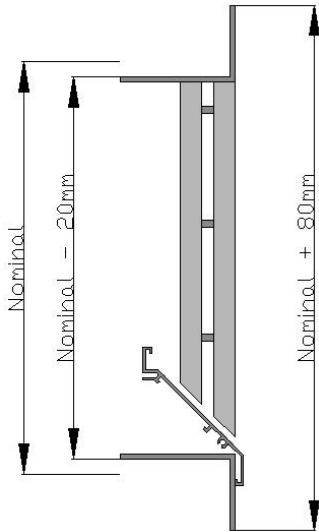
N.B - Hatching denotes visible area



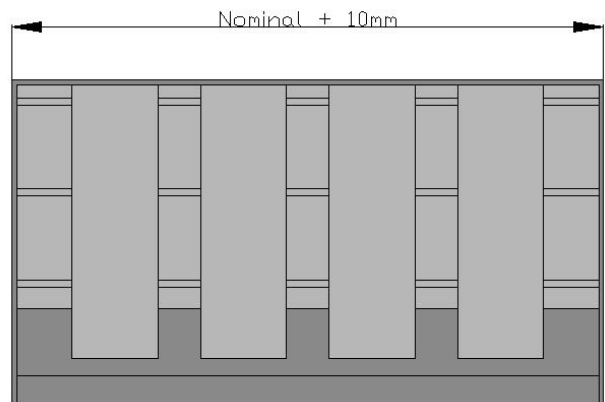
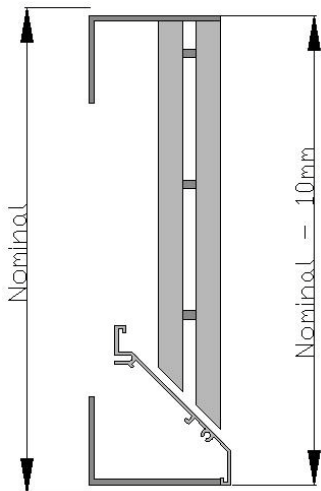
Technical information

- Free area – Approx 33%.
- STL Mass/M² face area = 14KG

• (___ x ___) – STL



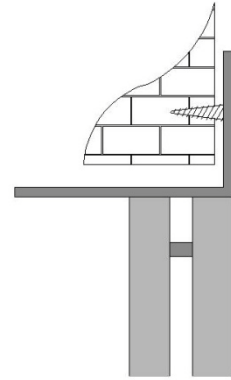
• (___ x ___) – STL – Recessed



Fitting Options

Countersunk fixing holes and screws

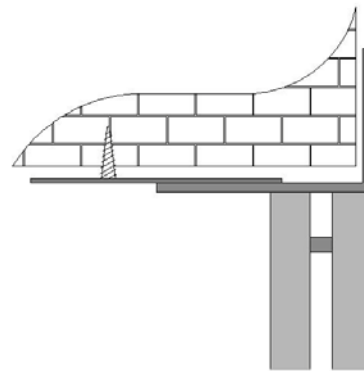
Louvres can be supplied with countersunk fixing holes already punched into the flange. Screws, powder coated to the same colour as the louvre are supplied as standard.



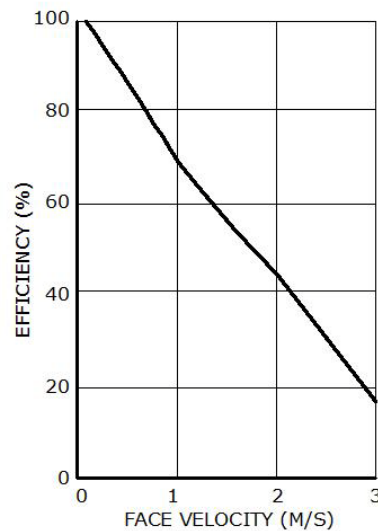
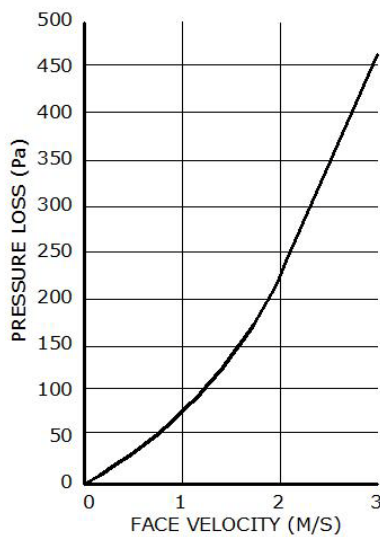
Fixing lugs

Fixing lugs provide a concealed method of affixing a unit to the wall. The lugs protrude from the back of the unit, they can then be bolted to the surrounding masonry, timber or duct. This method does require access to the area behind the louvre for fixing.

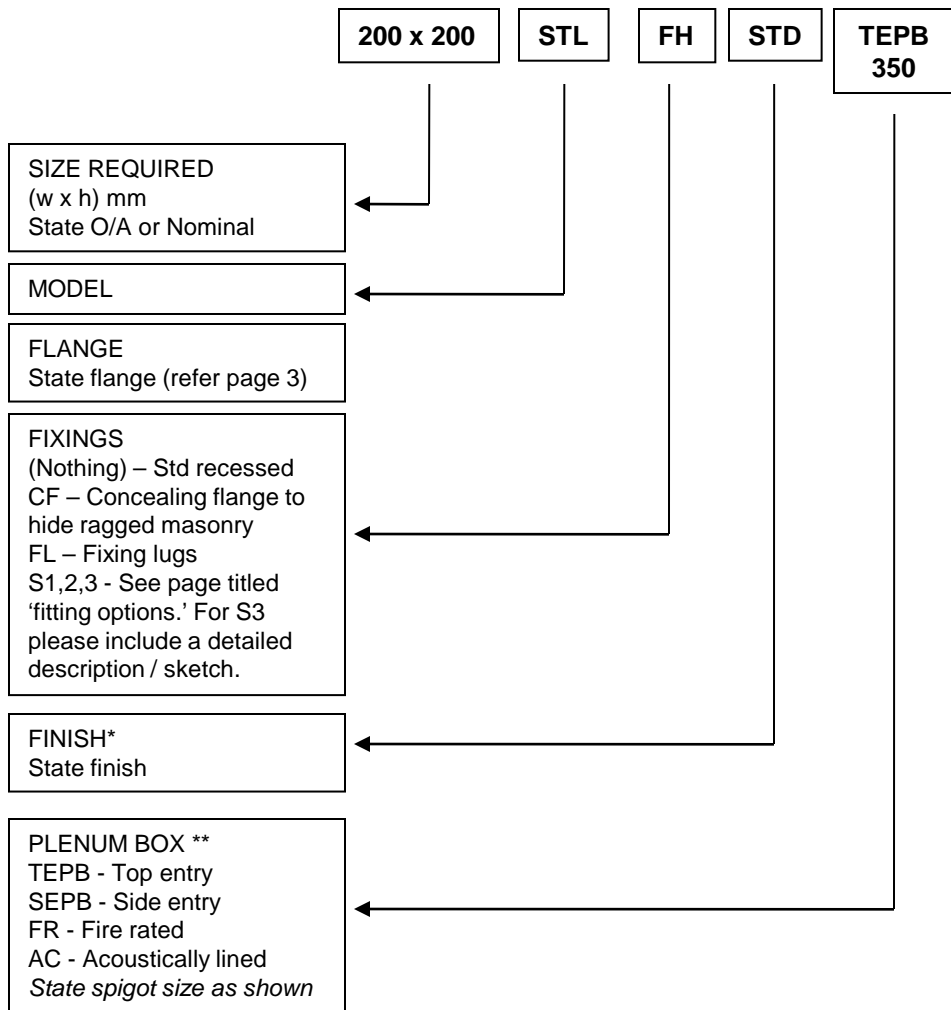
With recessed louvres, 'L' brackets will be supplied if fixing lugs are specified.



Selection data



Ordering codes



* Standard (STD) finish on sand trap louvres is mill.

** Plenum boxes are as standard 100mm deep, please state should other depth be required.

HVC Supplies (Stourbridge) Ltd reserves the right to alter, without notice, any specifications issued. Any alterations made will appear on www.h-v-c.com as soon as possible.

