



**AEROGRAMMI S.A.**  
DESIGN AND MANUFACTURE OF GRILLES AND SPECIAL AIR CONDITING COMPONENTS



## SAND TRAP LOUVER

# STL



# STL

## DESCRIPTION



## STL

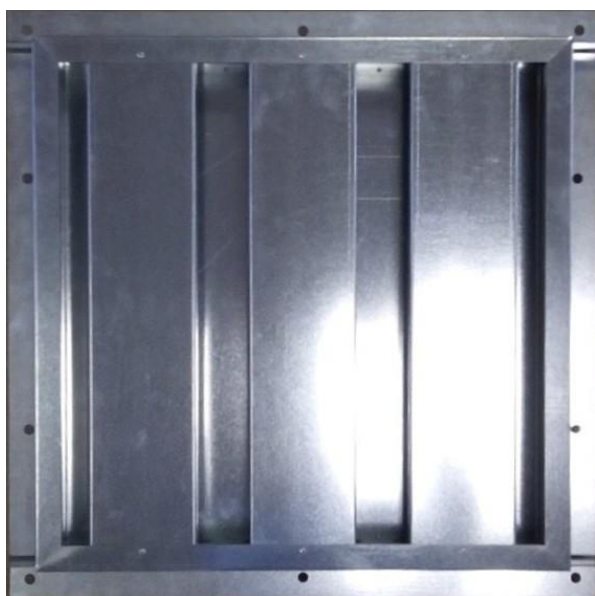
The sand trap louver STL is used as prefilter for the protection of HVAC systems or building interiors in locations with sand or large dust particles in the air. For installation in external walls. In the back there is wire mesh 12X12 mm for protection from leaves, insects, small animals and other objects. In the bottom there are holes for self cleaning. For the best filtration results the air velocity in the nominal dimension WXH must be 1m/sec.

Also available with external flange with width 40mm, with holes, type **STL-C**. For fixing in the external side of the wall.

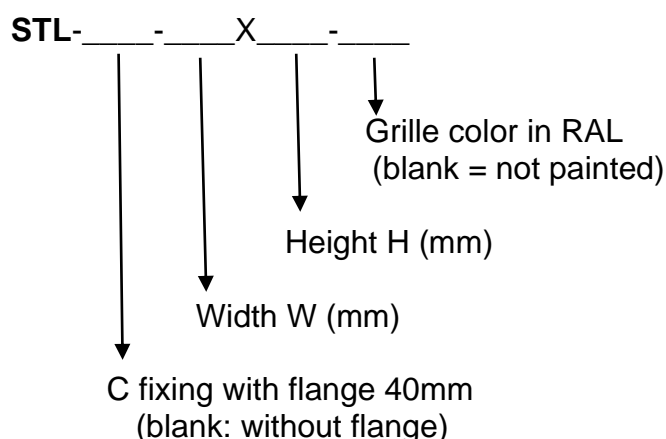
## MATERIALS

The STL sand trap louver is made from galvanized steel sheet. Electrostatic paint in RAL color is possible. The wire mesh is from galvanized steel.

## WAY OF ORDER



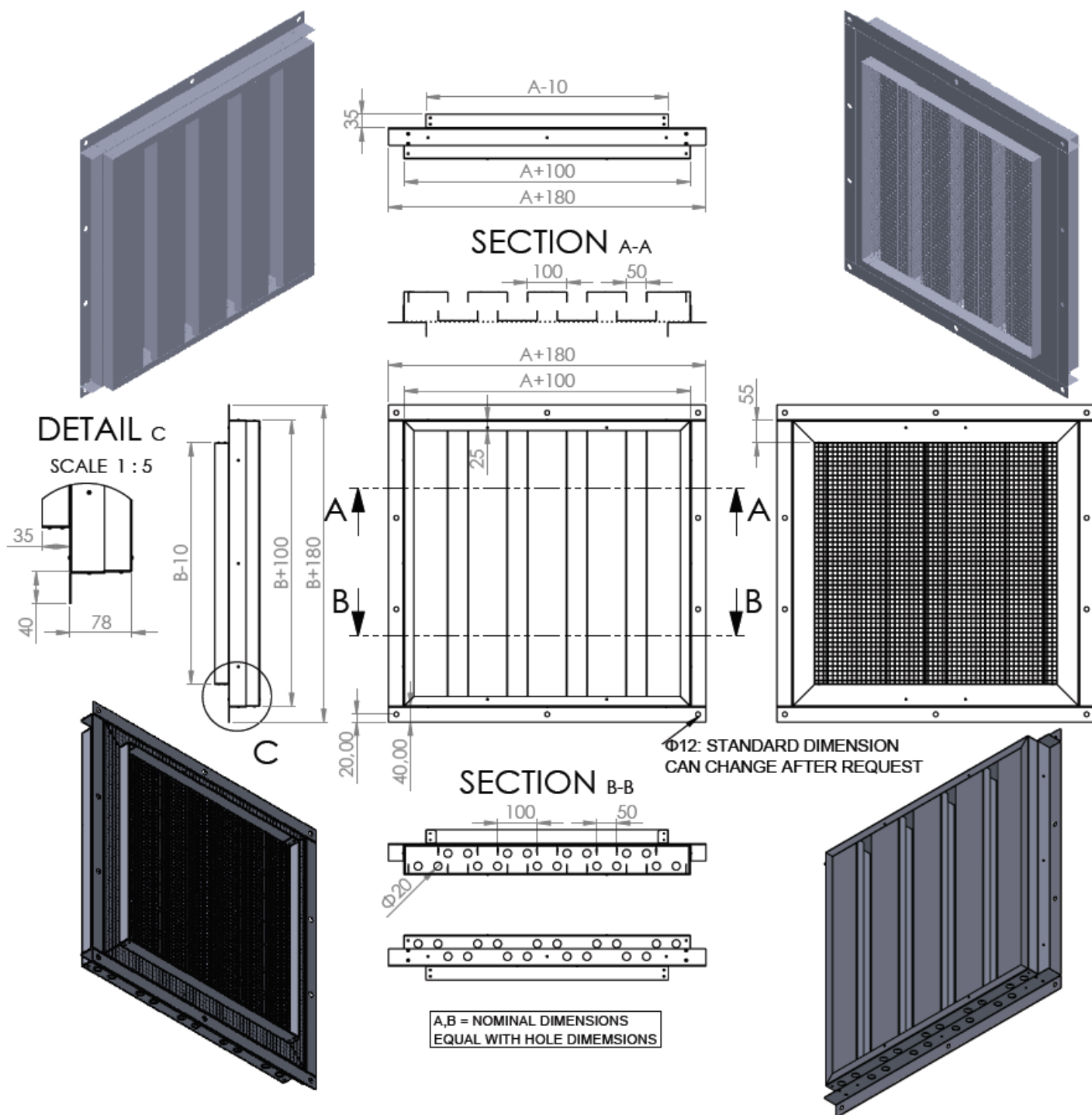
## STL-C







## STL-C DIMENSIONS



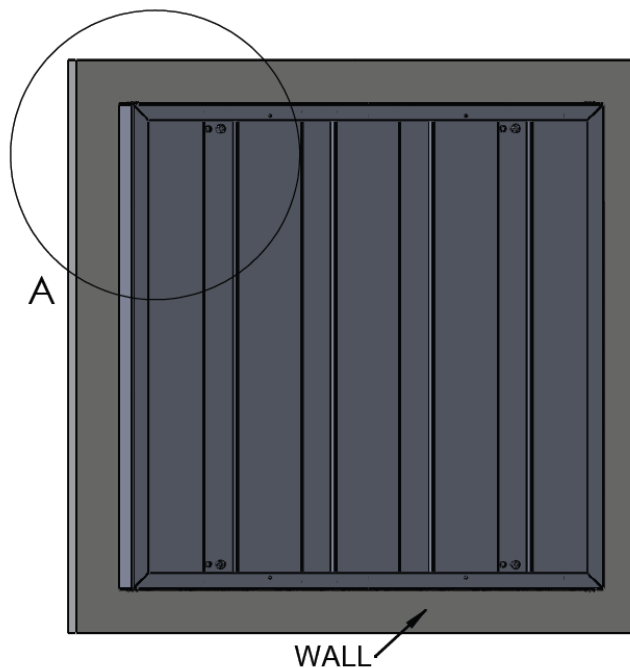




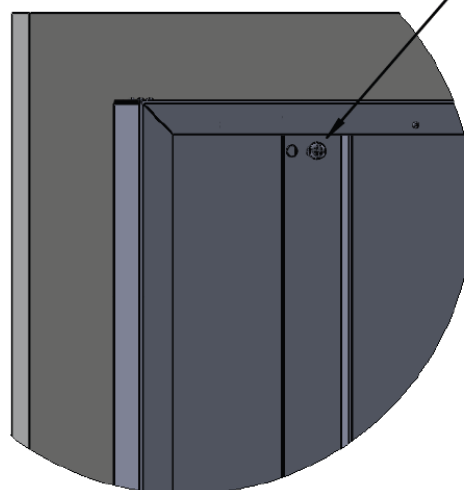
## STL WAY OF FIXING

The sand trap louver STL is fixed with holes in the external wall.

1. From the external side of the wall, we drill and fix with screws in the points where the internal blades are in contact with the wall.

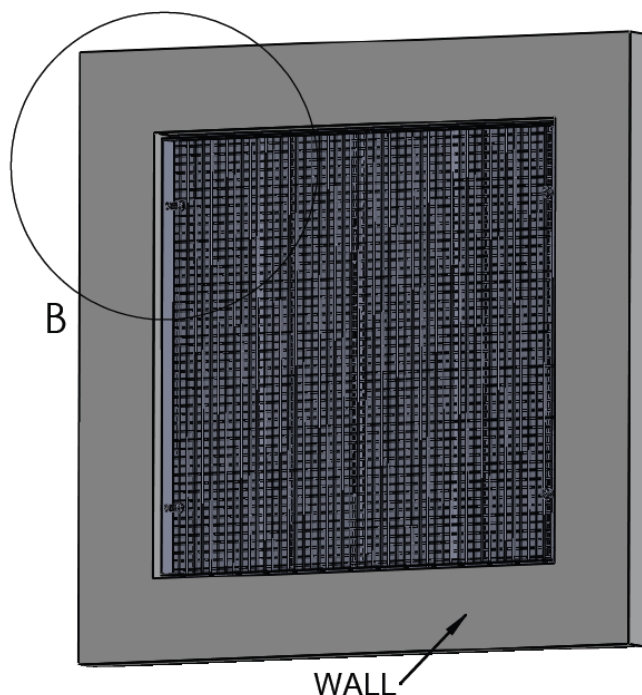


EXTERNAL FIXING WITH SCREWS  
FROM THE INERIOR BLADE

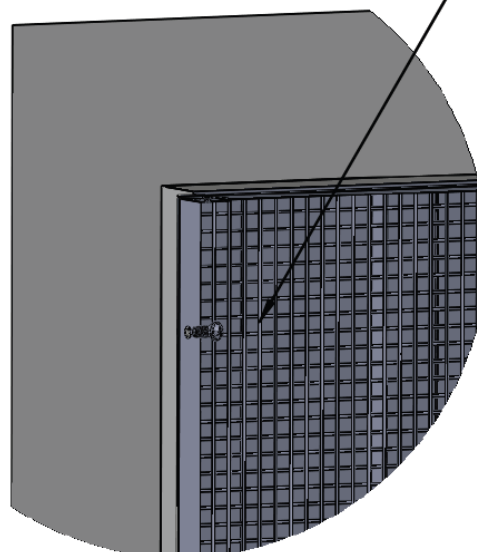


DETAIL A

2. From the internal side of the wall, we drill and fix with screws in the neck which is inside the hole in the wall.



INTERIOR FIXING WITH  
SCREWS FROM THE NECK



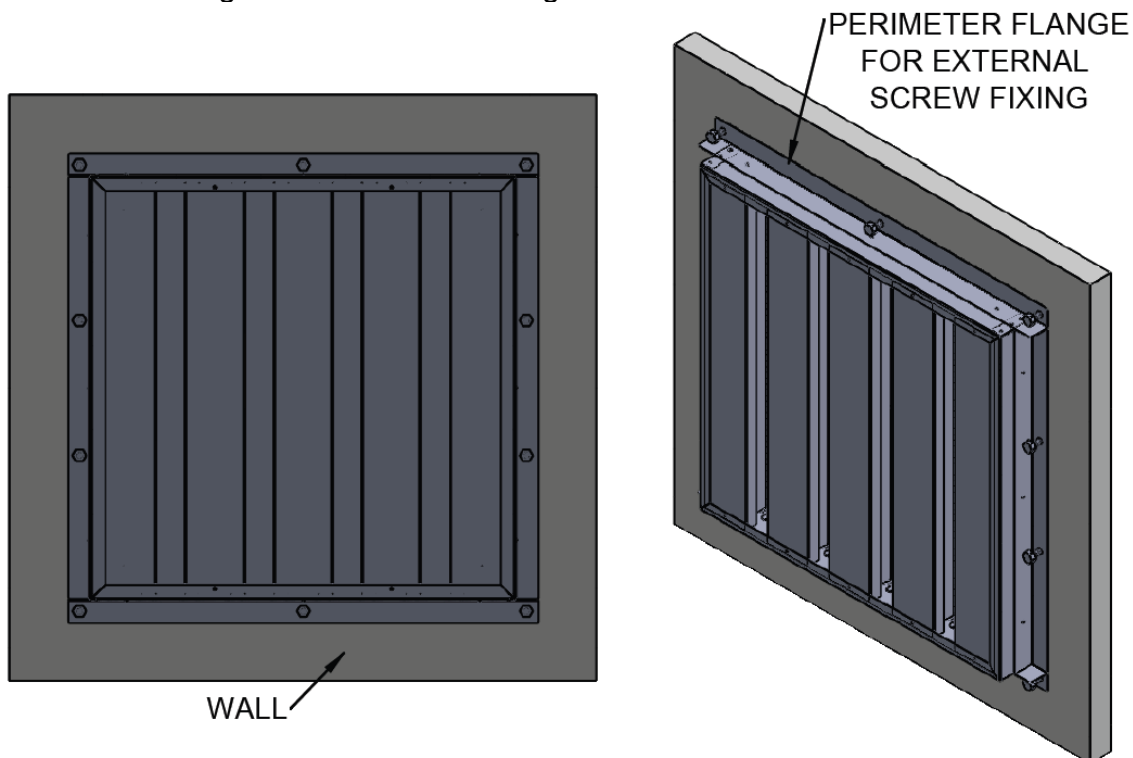
DETAIL B

The screws for the fixing are not delivered with the STL's.



## STL-C WAY OF FIXING

The flange is in contact with the external side of the wall. We fix the STL in the wall with screws through the holes of the flange.



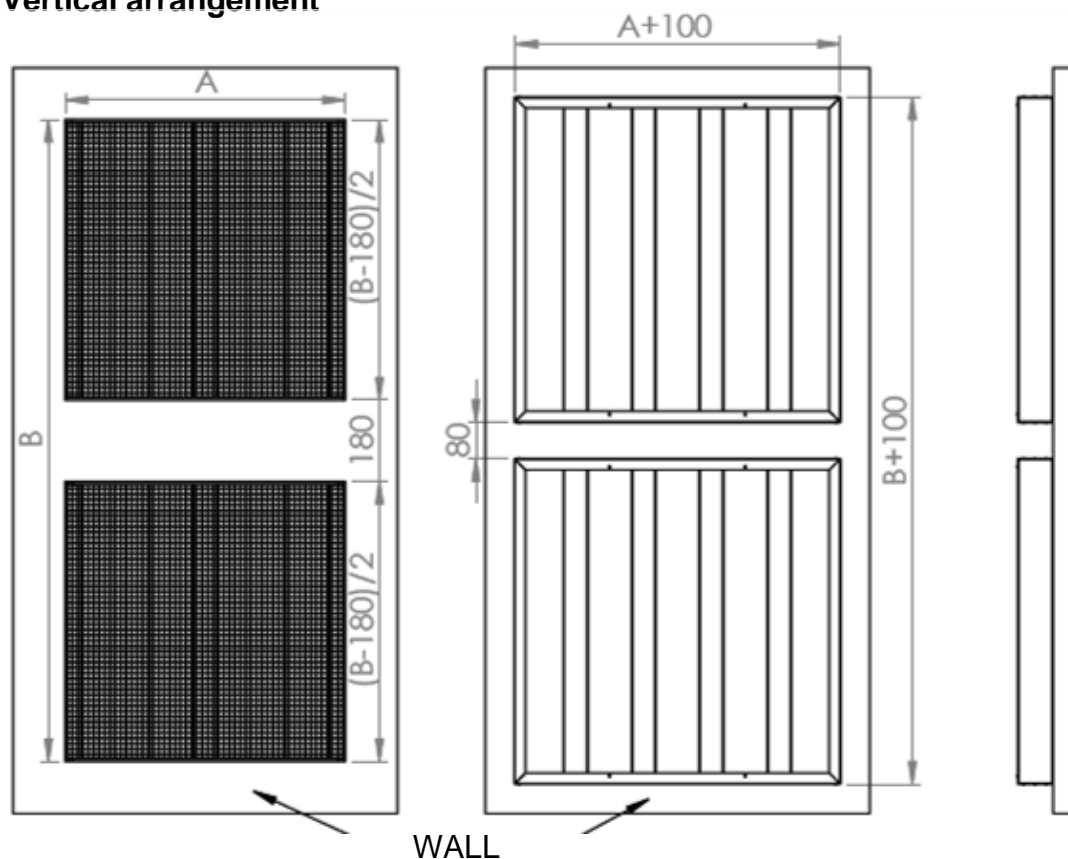
The screws for the fixing are not delivered with the STL's.



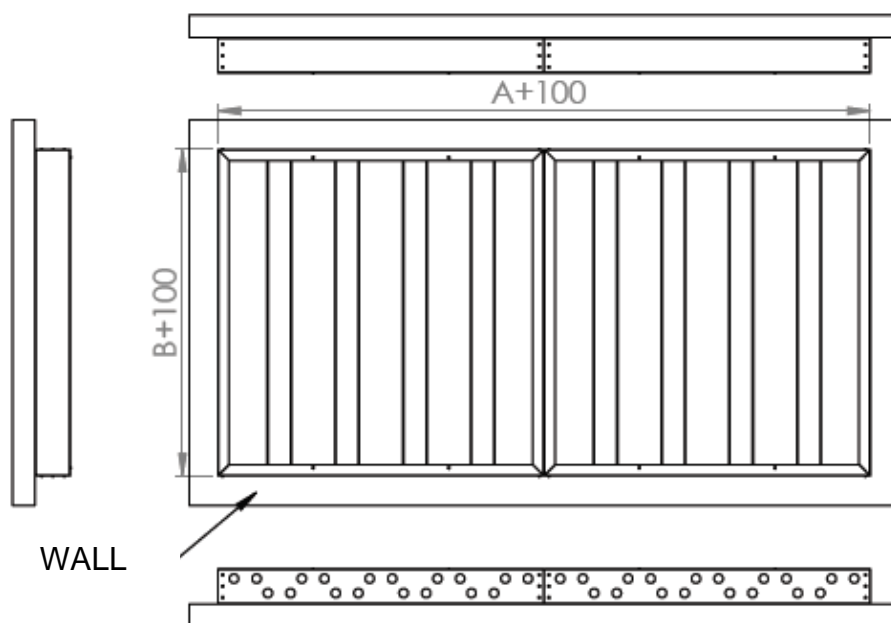
## STL INSTALLATION IN BIG OPENINGS

When we have big wall openings we are forced to make more than one STL grilles to cover them. See below how we make the installation in vertical and horizontal arrangement.

### A) Vertical arrangement



### B) Horizontal arrangement

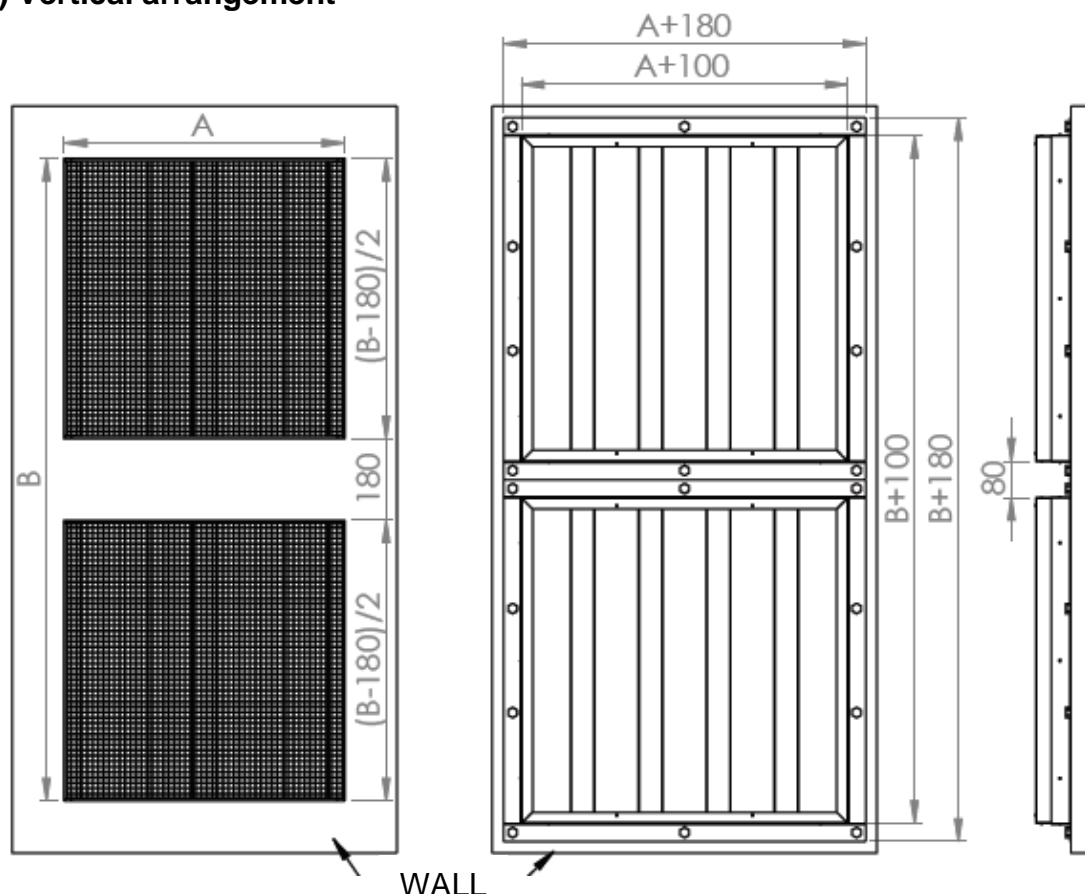




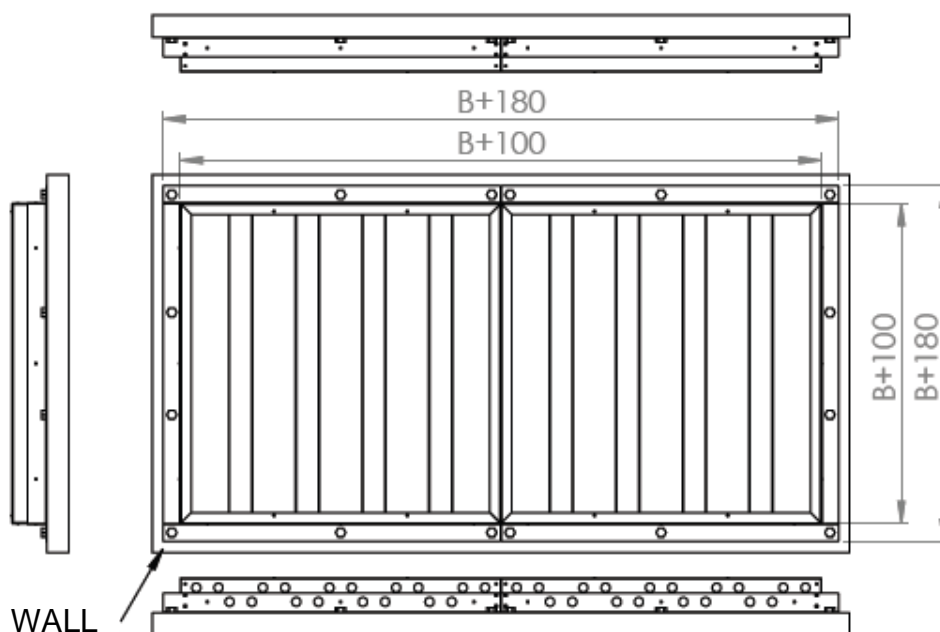
## STL-C INSTALLATION IN BIG OPENINGS

When we have big wall openings we are forced to make more than one STL grilles to cover them. See below how we make the installation in vertical and horizontal arrangement.

### A) Vertical arrangement



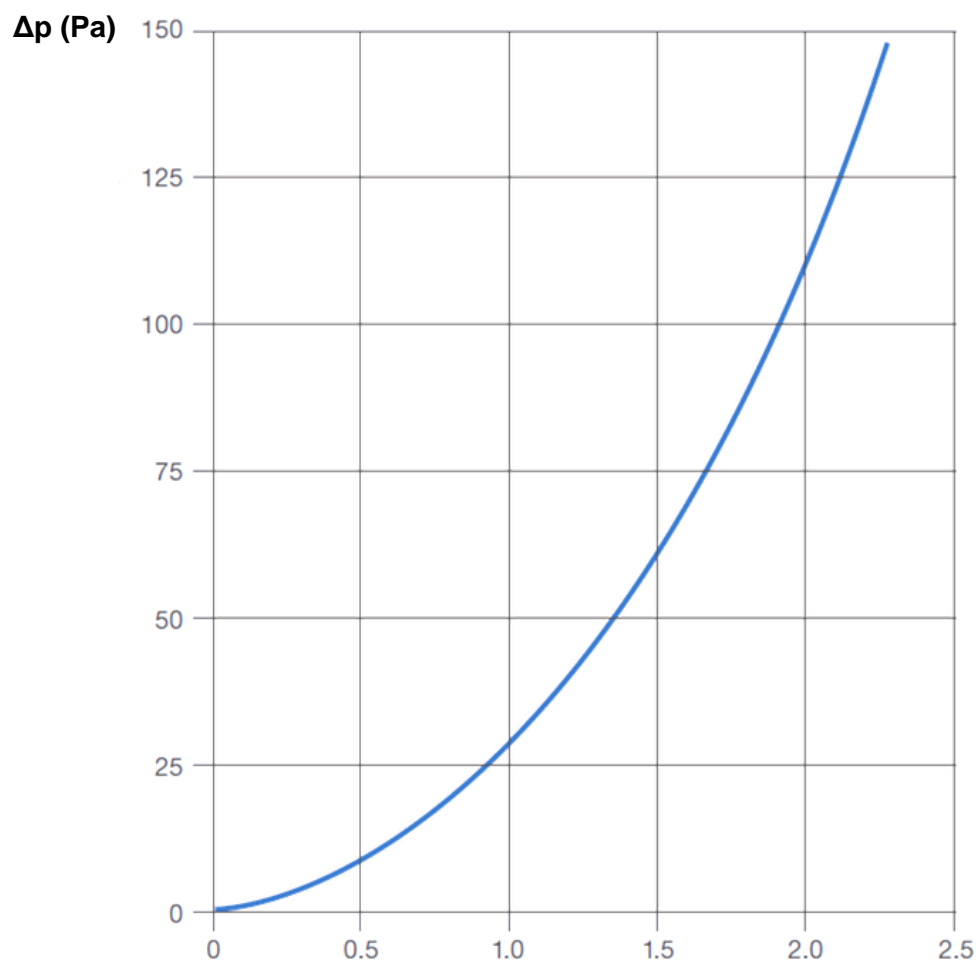
### B) Horizontal arrangement







## PRESSURE DROP DIAGRAM



Air velocity in the area W X H (m/sec)