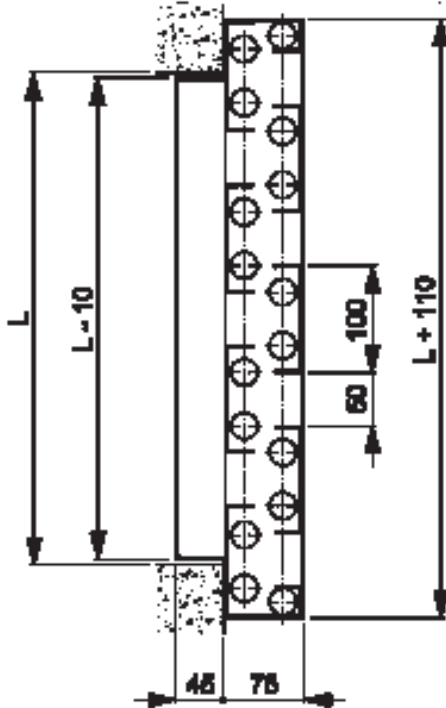


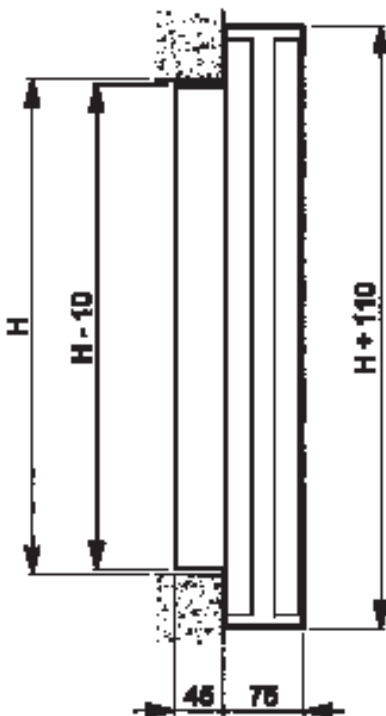
**SAND TRAP LOUVRE**  
**GB900 • IB900 • WB900**

**Installation dimensions**

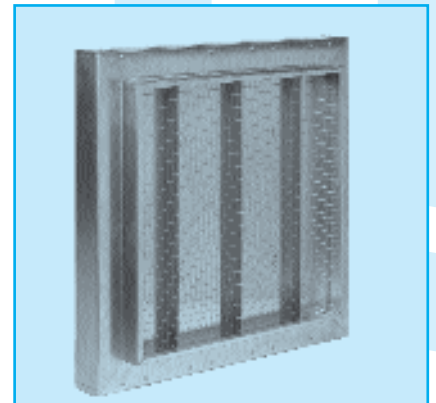
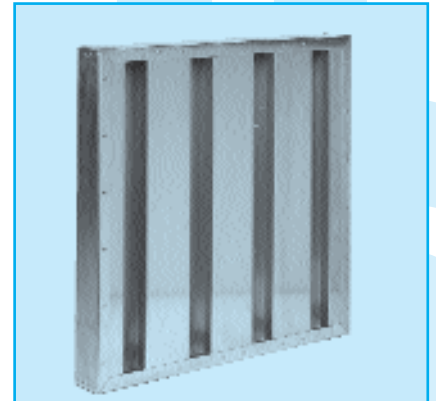
Horizontal section



Vertical section



All dimensions in mm.



**Application**

The sand trap louvre, type -B900, is an external louvre used in a dry, dusty or sandy environment.

Especially designed to remove the bulk of airborne sand and dust from inlet air whilst maintaining reasonable air flow rate characteristics by means of a special double U-blade design. Sand and dust are evacuated from the base of the louvre by means of a special sand collection/disperser cill, keeping maintenance to a minimum.

The sand trap louvres can be used as natural ventilators or to alleviate the load on the main filtration stages of air conditioning equipment.

**Technical information**

**Characteristics**

- self-cleaning by the free sand outlet
- sea-waterproof (IB and WB)
- available in steps of 50 mm in length and of 1 mm in height  
 min. L x H = 150 x 150 mm  
 max. L x H = 2300 x 2300 mm

### Construction

- construction in aluminium:
  - U-profile - thickness 1,5 mm
  - mounting frame - thickness 2 mm
  - not anodised
- construction in galvanised steel :
  - thickness 1,5 mm
  - painted or not in RAL colour
- stainless steel construction - thickness 1,2 mm

### Specifications description

#### Example :

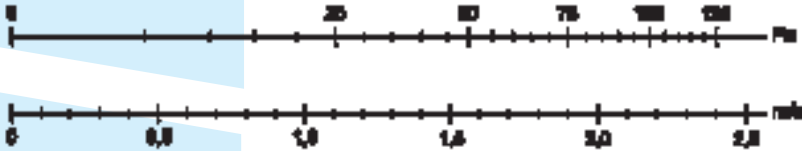
Aluminium sand trap louvre demanding no maintenance, with a double U-profile and a sand evacuation underneath the louvre. The louvre is equipped with a bird-screen in galvanised steel wire-netting (12,5x12,5xØ 0,8mm). Made out of aluminium sheet.

**Type :** WB901  
nom. dim. (LxH) ... x ... mm

### Accessories

Birdscreen : netting in galvanised steel wire (12,5 x 12,5 x Ø 0,8 mm) at the back of the louvre.

### Pressure loss



Apply for a free flow or duct junction. Indicated speeds are the speeds for a nominal flow (LxH). Triple this speed for knowing the speed in the slots.

Used in normal conditions, the sand trap louvres are developed for velocities up to 2 m/s. Velocities above 2 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. Efficiencies of approximately 40-60% can be expected at velocities of 1,5 m/s, dependant on sand/dust particle size.

#### Selection example :

- $q_v = 7500 \text{ m}^3/\text{h}$
- Surface for  $v = 1,5 \text{ m/s}$  :  $1,389 \text{ m}^2$
- Dimensions (LxH) :  $1400 \times 1000 \text{ mm}$
- Pressure loss at  $v = 1,5 \text{ m/s}$  :  $45 \text{ Pa}$

### How to order

WB900, aluminium construction with birdscreen, dimension 450 x 400 mm.

W	B	9	0	1	-	-	0	4	5	0	0	4	0	0
							L				H			

0 : without birdscreen  
1 : with birdscreen

G : galvanised construction  
I : inox construction  
W : aluminium construction