

# -B900

## SAND TRAP LOUVRE



### VARIANTS

GB900, WB900, IB900

The sand trap louvre, type -B900, is an external louvre used in dry, dusty or sandy environments. 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 a special sand collection/dispersal 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.

**With double U-profiles and sand evacuation underneath the louvre**

**Self-cleaning due to free sand discharge**

### TECHNICAL INFORMATION

APPLICATION	Type	Intake
CONSTRUCTION	U-profile	100mm
	Min. Length	150mm
	Available steps in length	50mm
	Min. Height	150mm
	Available steps in height	1mm
	Max. length/height (un-painted)	2300x2300mm
	Max. length/height (painted version)	2300x1700 or 1700x2300mm
MATERIAL	Standard material GB900	Galvanised steel
	Standard material WB900	Aluminium mill finish
	Standard material IB900	Stainless steel
	Product finishing options	Powder coating RAL of choice
MOUNTING	Mounting options	Always delivered with wall anchors

### QUICK SELECTION

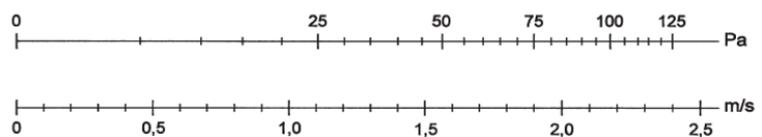
Application for a free flow or duct junction. Indicated speeds are the speeds for a nominal flow (L x H). Triple this speed to know the speed in the slots.

Used in normal conditions, the sand trap louvres are developed for velocities up to 2 m/s. Velocities above 2 m/s are undesirable in dusty/sandy atmospheres as the ability of the louvre to remove airborne particles strongly decreases.

A speed of 1.5 m/s is recommended for an efficiency of approximately 40-60 %, depending on the particle size of dust and sand.

Selection example:

- $qv = 7500 \text{ m}^3/\text{h}$
- surface for  $v = 1,5 \text{ m/s}$ :  $1,389 \text{ m}^2$
- dimensions (L x H):  $1400 \times 1000 \text{ mm}$
- pressure loss at  $v = 1,5 \text{ m/s}$ :  $45 \text{ Pa}$



PRODUCT KEY

SAND TRAP LOUVRE

G	B	9	0	0	-	-	1	0	0	0	1	0	0	0
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Nominal length L (mm):  
From 150 to 2300mm,  
per 50mm

Nominale height H (mm):  
From 150 to 2300mm,  
per 1mm

-: Standard  
F: Coated

- 0: Grille without insect screen
- 2: Grille with grey fibreglass insect screen, mesh size 1,6x1,4mm
- 3: Grille with galvanised steel bird screen, mesh size 12,7x12,7mm
- 4: Grille with stainless steel bird screen, mesh size 11,7x11,7mm

- G: Galvanised steel construction
- I: Stainless steel construction
- W: Aluminium mill finish construction

Notes:  
Painted grilles only available in aluminium version, max length or height <= 1700mm

