



Product description :  
**NATURAL VENTILLATION ROOF AND FACADE**

**VENTAIR**

Product descriptiun /

**VENTAIR**/ NATURAL VENTILLATION ROOF AND FACADE

 **SKYDÔME®**

SKYDOME S.A.S  
ENTRE DEUX VILLES - 02270 SONS-ET-RONCHERE

## Main features

### Thermo lacquering treatment

To match the color of the roof

### Weatherproofing

**A discreet product**, flush with the roof

**A shape adapted** according to the roof slope

### A wide range of dimensions

Sizing of the product by calculation notes

Systematic anti volatile mesh

### Achievements :

Grand Commun de Versailles

Bibliothèque nationale de France Paris

Hôtel de la monnaie Paris

Musée du Louvre Paris

Palais de justice de Marseille

Museum National d'histoire naturelle Paris

Gare de Lyon Paris

Boutique Place Vendômes Paris

Théâtre de Sénart

Conservatoire à rayonnement

Département Orsay

### DESCRIPTIF :

VENTAIR is a fixed louvres product for air intake or extraction. It is both weatherproof and air-permeable, allowing continuous ventilation even in rainy conditions. VENTAIR is made from corrosion-resistant aluminum. It can be installed on both roofs and facades. This unit has been designed to be as discreet as possible: the AF and AF 45 version is flush with the roof and is no more than 450mm deep. The product body is recessed into the roof.

. weatherproofing

The louvre is perfectly watertight thanks to the profile of its slats in the direction of the slope. In the event of rain, the water is drained by the louvres towards the bottom of the product, and evacuated:

- for slopes greater than 45°, onto the roof

- for slopes of less than 45°, to the inside via rainwater downpipes (E.P.). The profile of the fixing bracket guarantees a perfect seal with the roof upstand.

. VENTILATION PERFORMANCE

The dimensions of the grilles and their number can be defined by a calculation note. You will find a form to fill in and return to us at the back of this document.

. VERSIONS

The location of the VENTAIR on the roof gives rise to two distinct names:

DE: VENTAIR projects from the roof, mounted on upstand

The louvres run in the direction of the slope, perpendicular to the ridge (provides excellent weatherproofing).

Water discharge: water is stopped by the louvres and discharged onto the roof.

AF : The VENTAIR is flush with the roof and the roof pitch is between 0° and 44°, beyond which the AF 45 is used.

The louvres run in the direction of the slope, perpendicular to the ridge (for excellent weathertightness).

Water can be discharged in two different ways, depending on the pitch of the roof:

- the slope is between 0 and 44°: water is discharged through a rainwater downpipe under the roof, to be provided by the roofer

- the slope is between 45° and 90°: the water is discharged by the product onto the roof.

. Aluminium FINISH

Thermolacquering in all RAL colours.

consult us for QUALICOAT quality lacquering.

### CAUTION:

*The product is not designed to receive run-off water located above it.*

*For air intake, the air velocity between the louvres must not exceed 2.5m/s.*

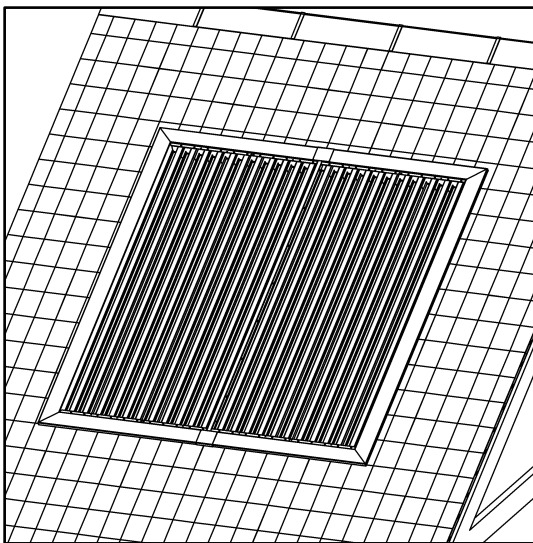
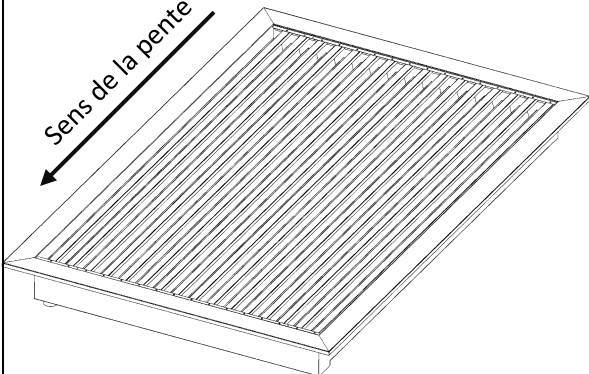
*For air extraction, the speed of passage between the louvres must not exceed 3.0m/s.*

*For smoke extraction, the speed of passage between the louvres must not exceed 5.0m/s.*

*Product can be sized according to the maximum permissible pressure drop across the fan.*

# VENTAIR AF

Sens de la pente



Roof slope: less than 45

Dimensions :

Width Air passage

500mm < A < 3000mm with step of 125mm

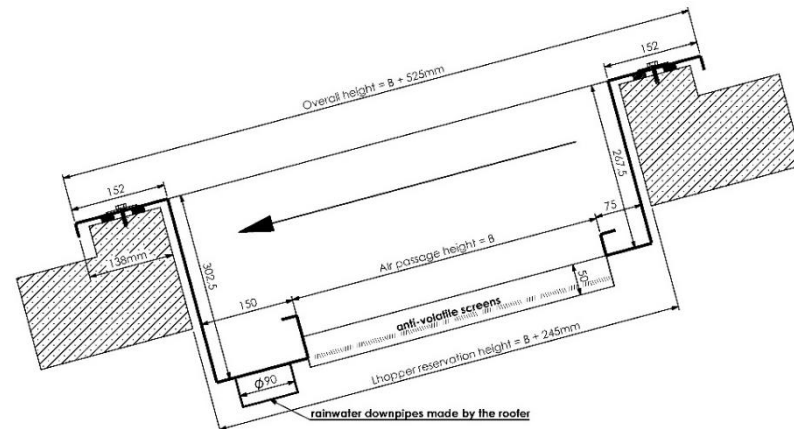
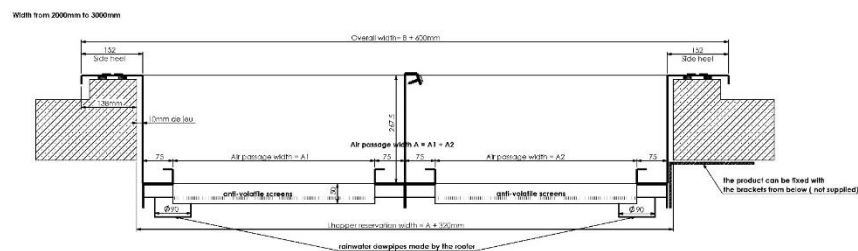
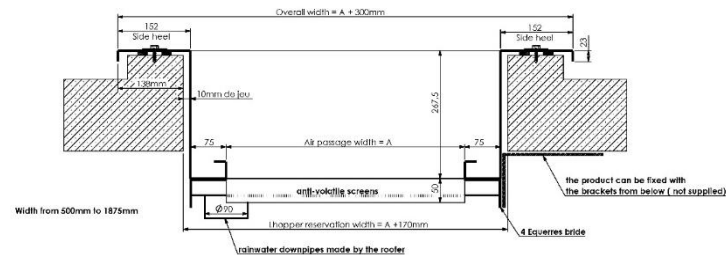
Height Air passage

500mm < B < 3000mm with step of 100mm

Width Air passage	Width Hopper reservation	Overall width
500	670	950
625	795	1075
750	920	1200
875	1045	1325
1000	1170	1450
1125	1295	1575
1250	1420	1700
1375	1545	1825
1500	1670	1950
1625	1795	2075
1750	1920	2200
1875	2045	2325
2000	2320	2600
2125	2445	2725
2250	2570	2850
2375	2695	2975
2500	2820	3100
2625	2945	3225
2750	3070	3350
2875	3195	3475
3000	3320	3600

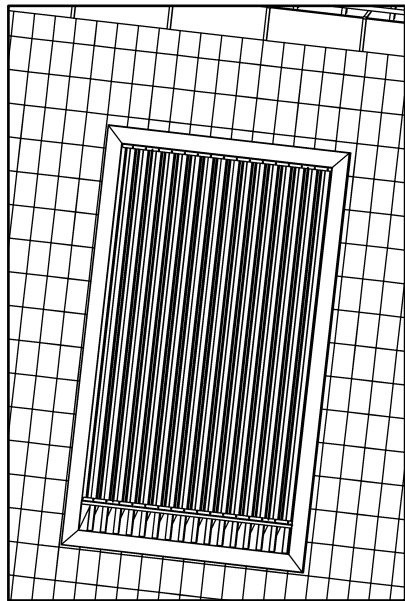
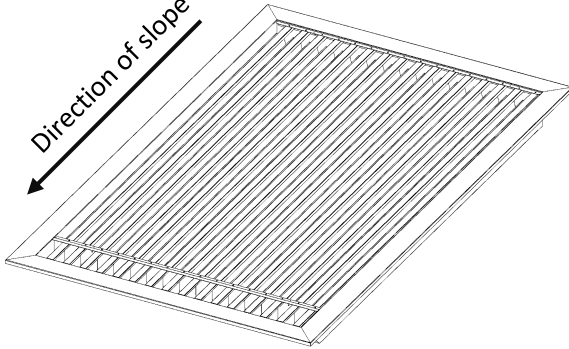
Height Air passage	Height Hopper reservation	Overall height
500	745	1025
600	845	1125
700	945	1225
800	1045	1325
900	1145	1425
1000	1245	1525
1100	1345	1625
1200	1445	1725
1300	1545	1825
1400	1645	1925
1500	1745	2025
1600	1845	2125
1700	1945	2225
1800	2045	2325
1900	2145	2425
2000	2245	2525
2100	2345	2625
2200	2445	2725
2300	2545	2825
2400	2645	2925
2500	2745	3025
2600	2845	3125
2700	2945	3225
2800	3045	3325
2900	3145	3425
3000	3245	3525

Dimensional drawing:



# VENTAIR AF 45

Direction of slope



*Roof slope: greater than 45° or on the façade*

Dimensions :

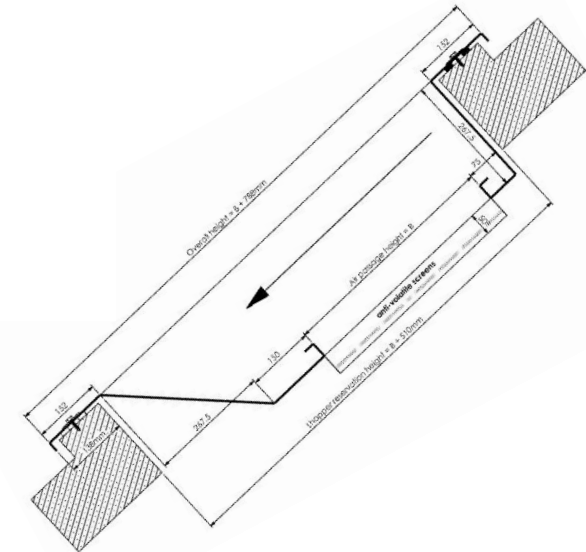
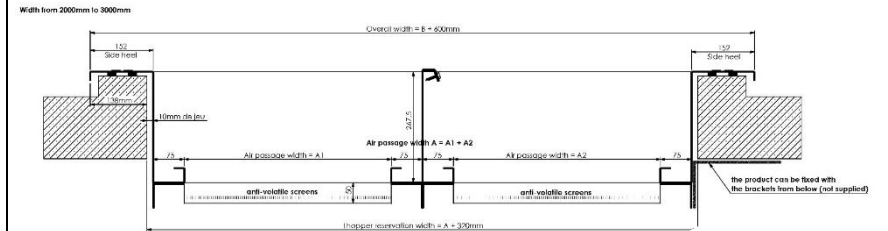
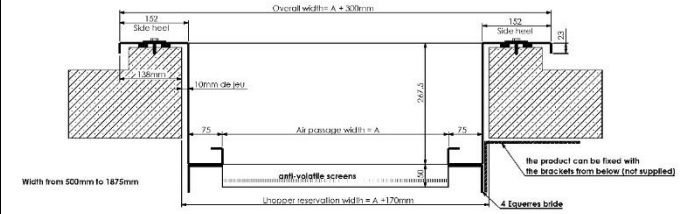
**Width Air passage**  
500mm < A < 3000mm with step of 125mm

**Height Air passage**  
500mm < B < 3000mm with step of 100mm

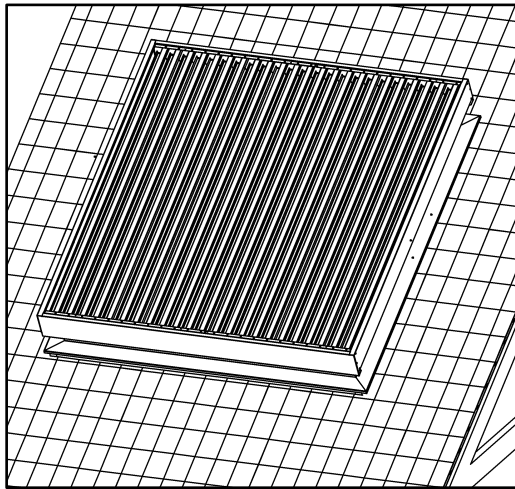
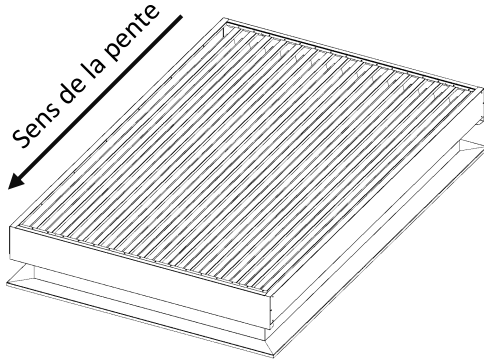
Width Air passage	Width Hopper reservation	Overall width
500	670	950
625	795	1075
750	920	1200
875	1045	1325
1000	1170	1450
1125	1295	1575
1250	1420	1700
1375	1545	1825
1500	1670	1950
1625	1795	2075
1750	1920	2200
1875	2045	2325
2000	2320	2600
2125	2445	2725
2250	2570	2850
2375	2695	2975
2500	2820	3100
2625	2945	3225
2750	3070	3350
2875	3195	3475
3000	3320	3600

Height Air passage	Height Hopper reservation	Overall height
500	1010	1288
600	1110	1388
700	1210	1488
800	1310	1588
900	1410	1688
1000	1510	1788
1100	1610	1888
1200	1710	1988
1300	1810	2088
1400	1910	2188
1500	2010	2288
1600	2110	2388
1700	2210	2488
1800	2310	2588
1900	2410	2688
2000	2510	2788
2100	2610	2888
2200	2710	2988
2300	2810	3088
2400	2910	3188
2500	3010	3288
2600	3110	3388
2700	3210	3488
2800	3310	3588
2900	3410	3688
3000	3510	3788

## Dimensional drawing:



# VENTAIR DE



## On Roof

Dimensions :

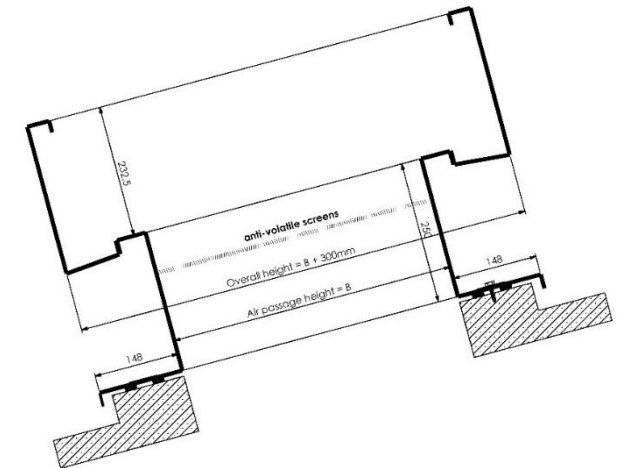
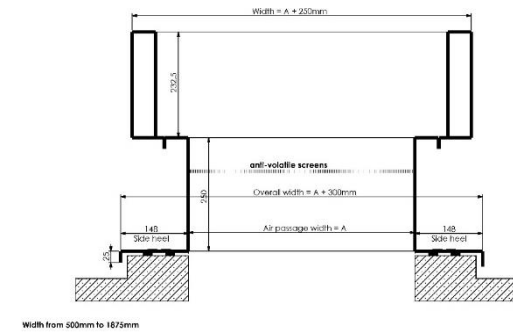
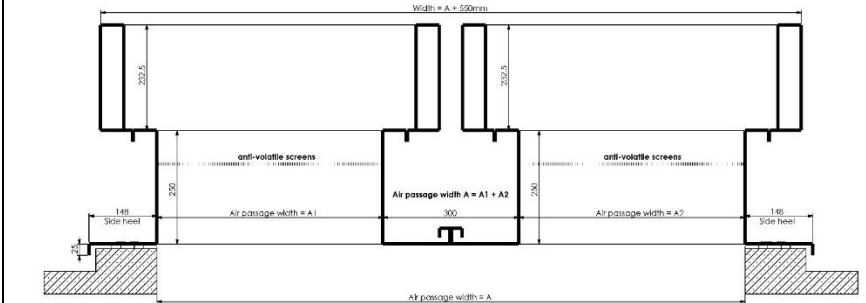
**Width Air passage**  
500mm < A < 3000mm with step of 125mm

**Height Air passage**  
500mm < B < 3000mm with step of 100mm

Width Air passage	Width Hopper reservation	Overall width
500	500	800
625	625	925
750	750	1050
875	875	1175
1000	1000	1300
1125	1125	1425
1250	1250	1550
1375	1375	1675
1500	1500	1800
1625	1625	1925
1750	1750	2050
1875	1875	2175
2000	2000	2600
2125	2125	2725
2250	2250	2850
2375	2375	2975
2500	2500	3100
2625	2625	3225
2750	2750	3350
2875	2875	3475
3000	3000	3600

Height Air passage	Height Hopper reservation	Overall height
500	500	800
600	600	900
700	700	1000
800	800	1100
900	900	1200
1000	1000	1300
1100	1100	1400
1200	1200	1500
1300	1300	1600
1400	1400	1700
1500	1500	1800
1600	1600	1900
1700	1700	2000
1800	1800	2100
1900	1900	2200
2000	2000	2300
2100	2100	2400
2200	2200	2500
2300	2300	2600
2400	2400	2700
2500	2500	2800
2600	2600	2900
2700	2700	3000
2800	2800	3100
2900	2900	3200
3000	3000	3300

## Dimensional drawing:





SKYDOME S.A.S  
ENTRE DEUX VILLES - 02270 SONS-ET-RONCHERE  
<https://www.skydome.eu>  
Tél : 03.23.21.79.90