AEROX

THE PRODUCT

Aerox provides efficient natural ventilation in all weathers. The shutter blades of many conventional roof ventilators can only be set to „open" or „closed". Aerox can achieve more: the position of the shutter blades is determined by the weather. Aerox is tested and certified as a smoke ventilator according to EN 12101-2.

APPLICATIONS

Aerox is particularly suitable for use in heat-intensive and noisy industrial buildings.

FEATURES AND BENEFITS

Aerox can cool down buildings which have high heat loads. It is rain proof, can be fitted with sound attenuators, and it has an attractive price. Three different shutter blade positions enable optimum all weather ventilation. Any rain droplets that come in past the shutter blades are collected within the ventilator and discharged to the outside.

For technical details please see the next page.

KEY FEATURES

All weather ventilation
Aerox is adaptable to the prevailing weather conditions.

Three shutter opening positions
0° | 45° | 97°

Cv-Value
Cv = 0.49 / 0.54
(in accordance with EN 12101-2).

Aerodynamics
High efficiency day-to-day ventilation.

Smart price
Great value for money achieved through its high efficiency.

EN 12101-2
Tested and certified.

Acoustic attenuation
Aerox can optionally be equipped with sound baffles.

Removable side panels
To enable access for easy cleaning of the louvres.

Stability against collapse
According to EN 1991

PRODUCT DESCRIPTION

The shutter blades of many conventional roof ventilators can only be set to “open” or “closed”. Aerox can achieve more: the position of the shutter blades is determined by the weather. Three different shutter blade positions enable optimum all weather ventilation.

When the weather is changeable or rainy, Aerox does not have to “batten down the hatches”. It can remain open without risk of rain entry, because in this instance the shutter blades are moved to an opening angle of 45°. To ensure that no rain can enter the building, there is an elaborate system of louvres within the unit. Any droplets that come in past the shutter blades are collected and discharged to the outside.

The Cv0 value in its rainproof open position (45°), is 0.41 and the Cvw value lies between 0.53 and 0.80. In the open position (97°), is the Cv0 value is 0.53 and the Cvw value lies between 0.71 and 0.95. Alternatively, tested and certified to EN 12101-2 Aerox achieves Cv values between 0.49 and 0.54.

Optionally, Aerox can be equipped with sound baffles. Aerox is controlled either manually or automatically via an automatic weather station (with a rain and /or a wind sensor) or via the building management system. Aerox is tested and certified as a smoke ventilator according to EN 12101-2.

FURTHER TECHNICAL DETAILS

- Widths (W) from 1.000 mm to 3.000 mm
- Lengths (L) from 1000 mm to infinity in 750 mm increments
- Height (H) when closed = 1.535 mm
- Optional sound absorbers
- Either electric or pneumatic controls
- Removable side panels allow easy cleaning
- Can be polyester powder coated
- For smaller sizes can be completely assembled at the factory.
- Certified surrounding temperature according to EN 12101-2 = T (-15) and T (-25)

SOUND REDUCTION INDEX*

- 0° (closed) = 23,6 dB
- 45° (rain defence) = 22,5 dB
- 97° (opened) = 22,2 dB

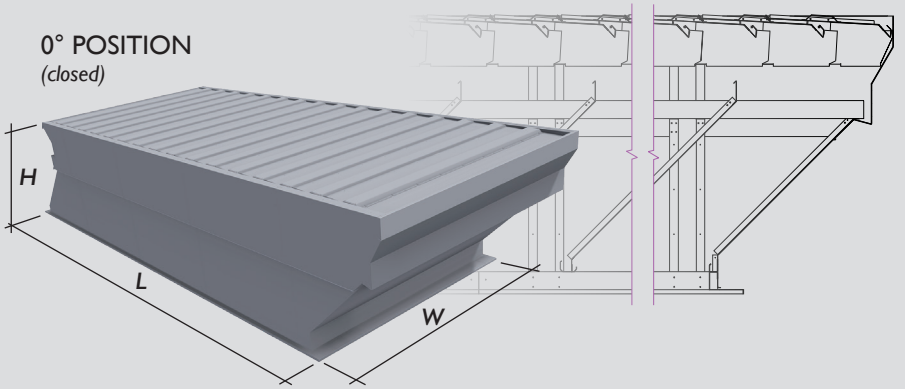
*without sound absorbers

STABILITY AGAINST COLLAPSE

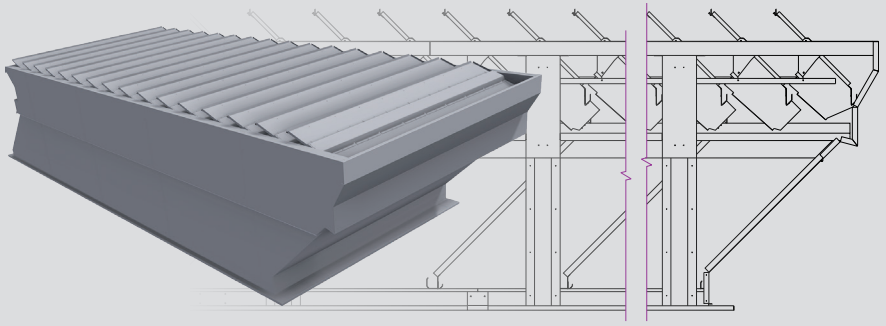
Verified according to EN 1991:
- Snow load to 1,33 kN/m²
- Wind suction load to 1,20 kN/m²

Tested according to EN 12101-2:
- Snow load test to 1,5 kN/m²
- Wind suction load test to 1,5 kN/m²

0° POSITION
(closed)



45° POSITION
(optimised for rain defence and aerodynamic performance)



97° POSITION
(completely open, optimised for maximum aerodynamic performance in good weather)