



VENTILATION

Optional functions

For both new construction and renovation projects, air treatment is an essential element in users' comfort and in keeping energy consumption under control. The purpose of air exchange is to maintain consistent air quality, prevent humidity issues that can impact users' health and limit the negative effects on health associated with the proliferation of mould and volatile organic compounds released by furniture and construction materials.

For easy and convenient ventilation of air inside your buildings, SKYDOME offers a variety of systems designed to work with all types of buildings.

1 M² CONTINUOUS VENTILATION (VPM²)

For the continuous ventilation of your buildings, SKYDÔME® offers a special continuous ventilation kerb. The Continuous Ventilation kerb is ideal for new-builds and also exists in an adapter plate version for renovation (Diagram 1).

- Its operating principle is simple:**

The kerb is fitted with 4 x 4 fixed louvres (as standard), allowing the air to circulate freely as well as constant air exchange inside the buildings (free ventilation surface area per louvre: 0.0625 m² / linear metre) (Diagram 2). The internal periphery of the standard kerb is fitted with 10 mm pest control mesh and an optional anti-mosquito mesh. Maximum authorised slope: 10°.

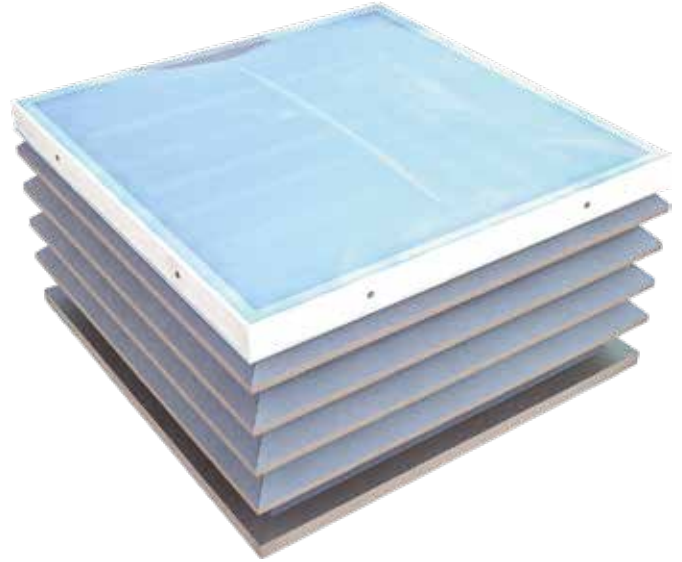
- Standard kerb attachment:**

- on metal frames by bolting to the support;
- on concrete by dowelling or sleeper screws.

- Adapter plate attachment:**

- on concrete kerb using screws with plugs;
- on metal kerb using screws from the old aluminium glazing bead.

- Opening surface area (m²):**



	Number of louvres			
	1	2	3	4
100 x 100	0.25	0.50	0.75	1.00
120 x 120	0.29	0.58	0.87	1.16

TECHNICAL DIAGRAMS

Diagram 1

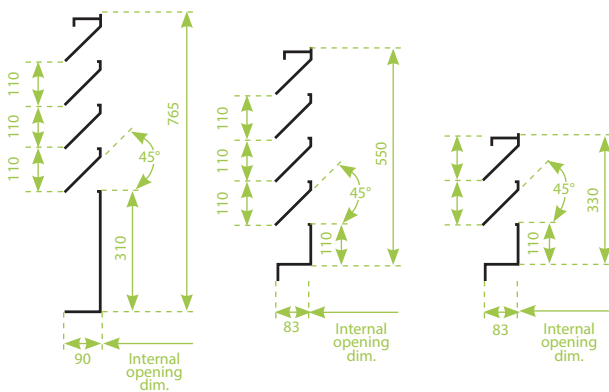
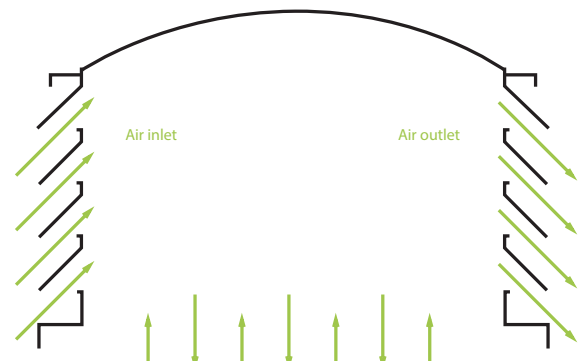


Diagram 2



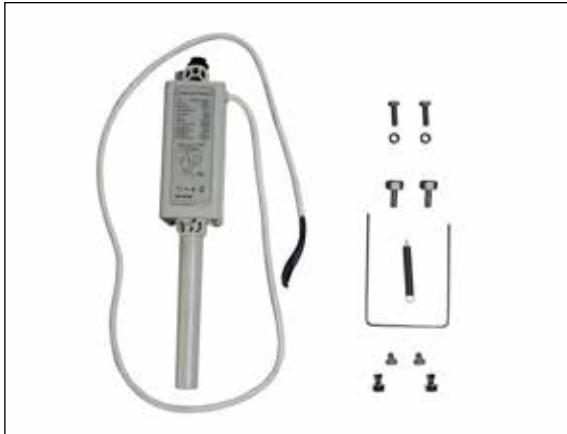
The continuous ventilation option is available on the SKYDÔME® and SKYCLAIR® products (see sheets for the devices).

— ELECTRIC VENTILATION KIT

SKYDÔME® has developed an electric ventilation system that can be adapted to pneumatic smoke evacuation skylights. This new system takes into account the different device tilts and roof pitches. Thanks to this innovation, the ventilation system is independent from the compressed air network required for smoke evacuation and operates using the 220 volt electrical system.

The assembly is fully locked after the electric cylinder closes.

Our patented kits (no. 0213012) are delivered with very detailed assembly instructions for easy installation and are compatible with the devices we have produced since 1998, whatever their size.



- Opening by electric cylinder, 300 mm stroke, 220 volts.
- The system automatically disengages in case of smoke evacuation.
- Option to link the system to a rain and wind unit.
- Optional switch.





— CONTINUOUS VENTILATION

Operating principle:

An 8 mm space is created between the top of the kerb and the glazing bead frame using plates (number defined by the size of the devices) riveted to each corner of the device. This free space provides continuous air circulation on equipped devices.

This option is available on devices in the SKYDÔME®, SKYCLAIR® and ROOFDÔME® ranges.

