

## OPTIONAL FUNCTIONS

# VENTILATION

SKYDÔME® offers adapted solutions for the ventilation of buildings

- The permanent ventilation 1 m<sup>2</sup> (VPM<sup>2</sup>).  
Ventilation system on special kerb.
- The electric ventilation Kit.  
Electric opening system with cylinder, proposed as kit, or installed on the units in the factory.

## 1 PERMANENT VENTILATION 1 m<sup>2</sup> (VPM<sup>2</sup>)

In order to have a permanent ventilation in your buildings, **SKYDÔME®** offers a special kerb Permanent Ventilation.

### Its function is simple:

The kerb is composed of 4 by 4 fixed plates (in standard) that allow the free air circulation, and a continuous air exchange inside the buildings (free ventilation surface per plate: 0,0625 m<sup>2</sup>/linear meter) (diagram 1). The internal periphery of the kerb is equipped in standard of an anti-harmful grill meshes 10 mm and in option, of an anti-mosquito grill.

### Fixing of the standard kerb:

- on steel framework through bolting on the trimmer-joist;
- on concrete through pegging.

The Permanent Ventilation kerb is ideal for new buildings and exists as well in adapter plate version for renovation (diagram 2).

### Fixing of the adapter plate:

- on concrete kerb thanks to pegged screws;
- on fixed steel kerb thanks to screws provided from the former aluminium beading frame.

Option proposed on **SKYDÔME®**, **SKYCLAIR®** or **PASSADÔME®** (see brochures of the units).

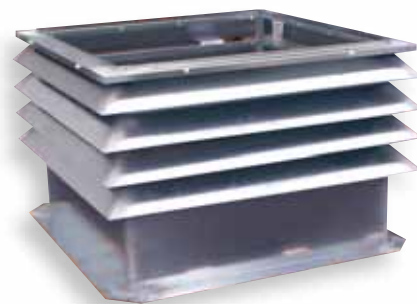
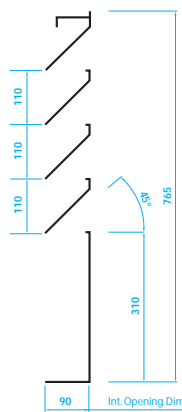


Diagram 1

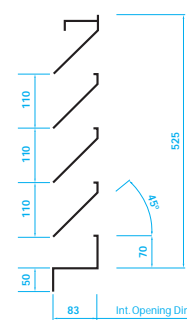


Diagram 2

Standard kerb



Adapter plate kerb



## 2 THE ELECTRIC VENTILATION KIT

**SKYDÔME®** has developed an electric ventilation system adaptable on the pneumatic smoke evacuation units. This new system takes care of the different slopes of the units and of the roof. Due to this innovation, the ventilation system is independent of the air compressed network necessary for smoke evacuation, and works on the 220 volts electric network.

The whole is perfectly locked after closing of the electric cylinder.

Our patented kits (n°0213012) are delivered with a detailed installation notice allowing an easy installation, and are compatible with our units produced since 1998, whatever the dimensions are.

- Opening with a 300mm electric cylinder, 220 volts.
- Automatic unlock in case of smoke evacuation.
- Possibility to connect the system to a rain and wind station.
- **SKYDÔME®** proposes this system assembled in the factory.
- Switcher as option.



## 3 PERMANENT VENTILATION

**Functioning principle:** an 8 mm space between the top of the kerb and the beading frame is created with plates (quantity defined by the units' dimensions) fixed by rivets on each angle of the unit. This free space creates a permanent air circulation on the products equipped with this system.

Option proposed on **SKYDÔME®**, **SKYCLAIR®** et **ROOFDÔME®**.

