

SHEV Services

Smoke & Heat Exhaust Ventilation Systems

All Weathered Multisky

Smoke & Natural Ventilator

(Roof Opensky) TESTED TO BS-EN 12101:Part 2 2003

Multisky is a fully weathered ventilator specifically developed for smoke and natural ventilation for industrial applications combining the EN Tested Roof Opensky with our industrial Multi-Purpose Ventilator with side dampers for fully weathered natural ventilation.



Product Specification

Multisky Ventilator

Construction

1.5mm Press formed Aluminium

Energy Saving Options

Can be provided with energy saving insulation

Side Dampers Control Options

The multisky's side dampers can be supplied with either Pneumatic or Electric actuators.

Finish Options

Mill finish aluminium.
Polyester powder coating to a standard BS or RAL colour.

Base Types & Installation

- **Turndown Base** - mounting onto weathered roof up-stand
- **Flat Base** - mounting directly onto roof sheeting

(Can be installed along the ridge, downslope directly onto the roof sheeting or on to an upstand)

Roof Opensky

Construction

Press formed and cleated 1.5 mm mill finish aluminium.

Louvre Blade Options

- 1.5 mm single skin aluminium
- 2.0 mm translucent double-skin polycarbonate
- Double-skin 1.5 mm aluminium with 25 mm polyurethane insulation

Louvre Blade Pivots

6 mm diameter solid aluminium bearings in shouldered nylon66 bushes for maintenance-free operation.

Louvre Blade Seals

Polypropylene brush and pile seals.

Finish Options

- Mill finish aluminium
- Polyester powder coating to a standard BS or RAL colour

Control Options

Opensky is available with the following standard control options;

- Electric - 24v Drive Open/Drive Close (EN12101)
- Pneumatic - Air To Open/Air To Close

Installation & Base Types

The Multisky can be installed along the ridge and downslope using either of the following:

- **Turndown Base** - mounting onto weathered roof up-stand
- **Flat Base** - mounting directly onto roof sheeting

Opensky Louvre Blade Options

The roof Opensky can be supplied with both insulated louvre blades and an insulated body to assist in ensuring the building is adequately insulated.

The comparative U-Values for the available louvre blades options are as follows;

Louvre Specification	U-Value W/m ² °k
Single Skin Aluminium (1.5mm)	6
Insulated Blades (25mm PIP)	0.66
Polycarbonate Blades (2mm Translucent)	1.75

Translucent polycarbonate louvre blades provide excellent daylighting using a durable UV stabilised material. When closed it can provide an average diffused light transmission in excess of 80%, enabling savings on artificial lighting. Pile weather seals are also fitted to the louvre blade edges and sides to minimise heat loss.

Control Options & Certifications For Opensky

The Multisky is available with either of the following control options.

Control Options	Tested To
Electric - 24v Drive Open/Drive Close	EN-12101
Pneumatic - Air To Open/Air To Close	EN-12101

Testing

The roof Opensky has been tested to BS EN 12101 – Part 2: 2003: Specification for natural and heat exhaust ventilators. This allows the Multisky Ventilator to be used within a SHEV system.

Test	Class	Test	Class
SN- Pneumatic	SL-500	Temp (Low)	T (-5°C)
SN - Electric	SL-125	Temp (High)	B-300
Wind Load	WL-1500	Reliability	RE-1000