High performance natural louvred ventilator – for natural day to day ventilation and smoke control

The Airlite ventilator provides exceptionally high insulation and low air leakage as well as excellent aerodynamic and acoustic properties. It can provide both inlet and extract ventilation as well as allow the entry of natural daylight. It is suited to most industrial and commercial buildings, and conforms with EN 12101-2.

Its features and benefits are described overleaf.
Airlite can also be installed in the vertical position for low level air inlet or for high level extract. Airlite allows the entry of natural daylight through its polycarbonate or glass blades. There are pneumatic or electric controls and a wide range of accessories and finishes.

Easy to install - Airlite is delivered fully assembled to site and may be installed at any angle from 0˚ to 90˚. It has a wide range of base profiles to suit all sheeting, curb or glazing applications. A variable flanged variant is available for vertical installation into curtain walling, glazing or prepared openings.

Durable - Airlite is manufactured from tough, corrosion resistant aluminium alloy.

Certified performance - Airlite has been exhaustively tested and certified to EN 12101-2 in accredited third party test laboratories and is CE marked.

Quality of manufacture - Airlite is manufactured under strict quality control to ISO 9001.

The ventilator can be supplied either mill finish, wet coated or powder coat painted to a RAL colour.

Optional accessories include bird, insect, burglar and safety guards.

CONTROLS
Controls are either electric (24V DC or 230V AC) or pneumatic. For the pneumatic version, either double action locking mechanisms, failsafe open are available. If used as a smoke ventilator, activation is either by local thermal fuse which opens the unit at a pre-selected temperature, or by response to an external release signal.

PERFORMANCE
Depending on its size and the options selected, Airlite can withstand a wind load of up to 12,500 N/m² and a snow load of up to 4,500 N/m². It can achieve an insulation value of up to 1.02 W/Km². Air permeability for a medium size unit of 11.7 m³/hm² at 50 Pa has been achieved on test.

FEATURES AND BENEFITS
Energy efficient - Airlite has been designed with the Energy Performance in Buildings Directive in mind, providing exceptionally high insulation and low air leakage.

High aerodynamic, thermal and acoustic performance - Airlite is aerodynamically efficient. It is highly insulated and is exceptionally air tight. It also provides a high degree of sound insulation.

Unique optional movable wind baffle – This can be installed to overcome side wind effects. This is only visible when the ventilator opens.

Wide range of applications - Airlite is classed as a dual purpose ventilator, providing both day to day and smoke control ventilation.

VENTILATOR DESIGN
The ventilator is available in throat widths from 500mm to 2000mm in 50mm increments, and in throat lengths from 1200mm to 3600mm in 300mm increments. Depending on the application, louvres are made from:
- 16mm clear or opaque (light transmitting) multiwall polycarbonate
- 16mm grey (non-light transmitting) multiwall polycarbonate.
- 16mm hail resistant polycarbonate (class HW5)
- 24mm toughened laminated insulating glass.

Double seals on the base and on the louvre are used to reduce air leakage when closed.

Save energy consumption with the 230 Volt Motor open in close in only 10 seconds!

Outstanding energy efficiency

Tested to
EN 12101-2

Integrated moveable Wind baffle
(Not visible when closed)

Flat design
Only 150mm high when closed

Sound attenuation 30db
Fall-through proof in closed position

These values are for a ventilator installed onto a flat roof with a movable wind baffle and ≥ 350mm upstand.