



Glazed casement smoke ventilator

A high-quality architectural smoke ventilator window designed to deal with fire situations, the Spirit from Airvent offers the advantages of both the Shadow and Ranger products in one elegantly engineered unit, designed deliberately with slightly inclined structural glass roofs in mind.

With the Spirit, Airvent presents a stylish glazed casement smoke ventilator with slim profiles and innovative controls which are cleverly hidden within the frame itself.

Materials

The Spirit can be mounted at any angle between 0 and 90°, which makes the Spirit suitable for both day-to-day ventilation and fire ventilation. Cold bridge-free aluminium profiles ensure high insulation values are attained.

The Spirit unit is supplied with insulated glass as standard, although uninsulated glass (or some alternative panel) is also available on request. Delivery, installation and sealing of the glazed panel can be carried out before supply of the finished unit, or by third parties on site.

The hidden controls and the concealed glass fixing are entirely invisible from the outside, making the product ideal for structures with strict aesthetic requirements. If required, Spirit can be anodised or powder-coated (in any RAL colour).

Application

- > Commercial
- > Shopping centres
- > Atria
- > Residential
- > Retail
- > Airports
- > Leisure
- > Schools

Our range



Controls

For opening and closing the Spirit is fitted with one or two 24 Vdc chain motors. The controls can be designed to be fail-safe using batteries. A 230 Vac control is also possible. Gas springs can also be used to support the motors.

Flanges

The standard flange thickness is 28 mm and can be increased as required. There are two standard flange widths, namely 30 mm or 50 mm. Various customer specific requirements with regard to flanges can be implemented on demand.

External appearance

Other than in its standard rectangular shape the Spirit is also available in triangular or trapezium shapes.

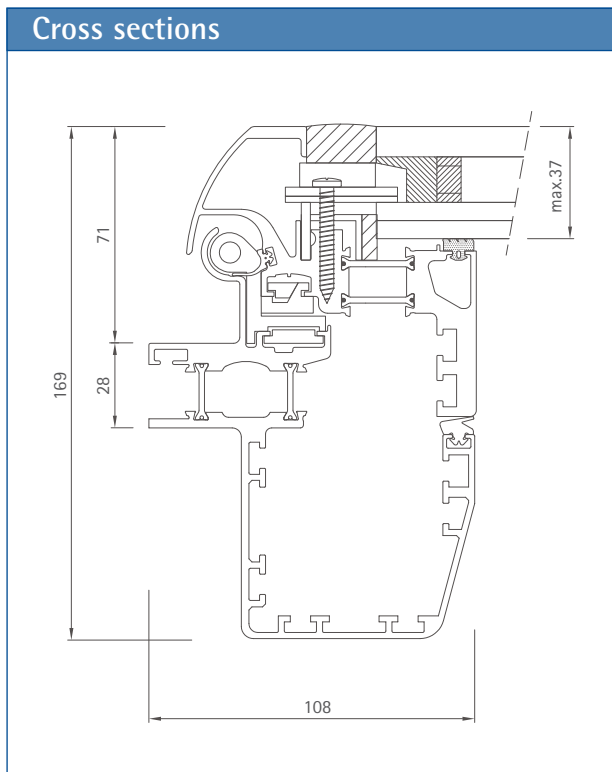
Dimensions and specifications:

- > height: 300 to 2000 mm
- > width: 600 to 3000 mm
- > surface area: maximum 3.5m²
- > glass thickness: maximum 37 mm
- > glass: fitted with recessed frame
- > glass weight: maximum 55 kg/m²
- > seals: two double seals around using EPDM rubbers
- > total profile height: 169 mm

Regulations

The system is tested and certified in accordance with EN 12101-2.

Cross sections



Cross sections

