

COX DOME



Estra



Translucent louvre ventilator

The Estra is a louvre ventilator that can be used to provide a replacement air facility for smoke control systems. It can also be used for day to day ventilation in natural ventilation systems. The Estra has been specifically designed for use in vertical applications. The Estra can be provided with single glazed louvres and double glazed insulated louvres. The stylish ventilation window is ideally suited for use in predominantly glass structures.

The variety of versions makes the Estra an excellent choice for shopping centres, offices, atria and industrial buildings.

Your partner in Smoke and Heat Ventilation



Estra

Material

The frame of the Estra is produced out of a fully thermally broken aluminium profile. The louvres are available in both single glass and double glazed versions. The louvres in the double glazed Estra are provided with mohair seals, the single glass Estra is not provided with seals and relies on direct glass on glass contact between the louvres. In order to optimise the opening mechanism the Estra louvres are centre pivoting.

Versions

The Estra is available in two versions.

Single glazed

Frame: The Estra is fitted with an extruded aluminium thermally broken frame.

Louvres: Not insulated fully glazed louvres. The louvre blades are single glazed hardened glass. Depending on width of the window the glass thickness will be 6mm, 8mm or 10mm. There are no seals on the louvres.

Double glazed

Frame: The Estra is fitted with an extruded aluminium thermally broken frame.

Louvres: The louvre frame is fitted in a thermally broken profile with insulated glass. Various types of glass can be accommodated; however the glass thickness is always 24 mm. Mohair seals are provided between the ventilator louvres.

Operation

The Estra ventilator can be operated in several ways:

- double-acting compressed air
- electric 24 Volt (24Vdc / 0-10V)
- manual

Dimensions

Rectangular forms are available with the following limitations:

- minimum size- 400 mm x 700 mm (width x height)
- maximum size- 1600 mm x 3000 mm (width x height)
- minimum 3 louvres
- non-standard dimensions on request

Options

The Estra ventilator is provided, as standard, with a fixed flange of 20mm. The thickness of the flange can range between 2mm. and 30mm. The Estra ventilator is available in a wide variety of glass types and heights. Non-standard dimensions are offered and available on request.

Details

As the height of the louvre sections can vary depending on the size of the ventilator, filler sections are not required. This makes the unit aesthetically pleasing and also increases its aerodynamic efficiency.

Louvre heights are available from 100 mm to 300 mm.

