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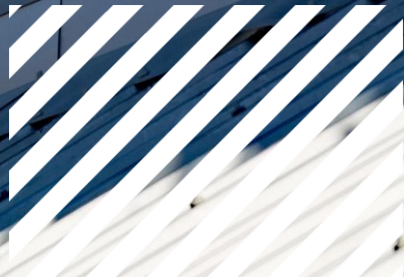


McKenzie Martin

Louvres & Ventilation Systems

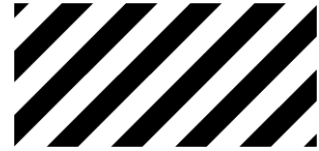
Louvres

Fabricated Louvre Systems
Thermac 2000 Louvres



Fabricated Louvre Systems

Thermac 2000 Louvres



Product Details

Description

The Thermac 2000 Combination Louvre is designed to act as a controllable, low leakage ventilation source for either inlet or exhaust. Individual units consist of an A rated weather louvre to the exterior with a controllable PVC Damper to the inside. Offered as single units or alternatively they may be joined together to form banks of unlimited height and width. All units are suitable for mounting into cladding, glazing and brickwork with flanges formed to suit any mounting detail.

Design

- Our Thermac 2000 Louvres are manufactured from extruded Aluminium sections for the exterior louvre and rigid uPVC having a U value of $1.2\text{W/m}^2\text{°C}$ for the internal dampers
- Available as single units or continuous runs to suit plant screening
- Integrated blade seals and stainless steel side seals and fittings
- $2.85\text{m}^3/\text{h}$ per m^2 leakage at 50Pa exceeding the requirement of Part L – Building Regulations

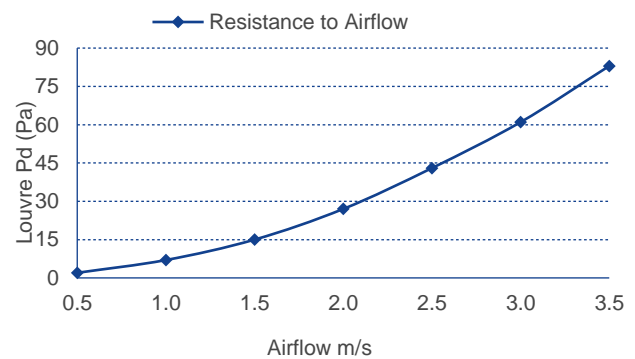
Applications

- Intake/extract louvres for offices, schools and other interior spaces buildings where thermal loss and draughts may be an issue
- Balance louvres for building management systems or thermal release purposes

Technical Information

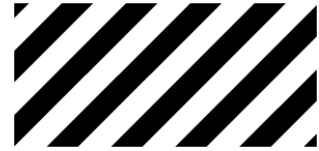
Aerodynamic Performance

Pressure drop with standard bird mesh fitted.

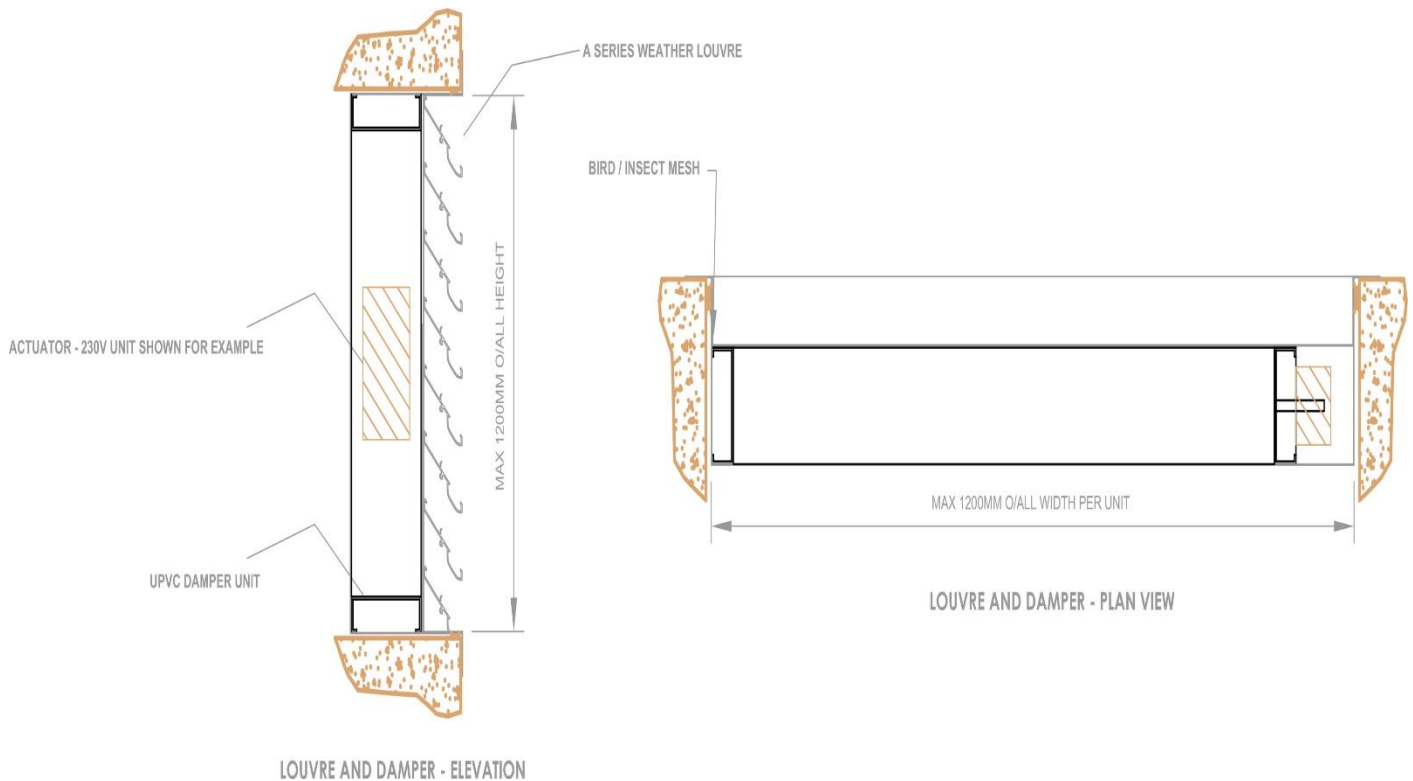


Fabricated Louvre Systems

Thermac 2000 Louvres



Standard Details



System Options:

The main body of the system is fabricated from extruded Aluminium, while the dampers to the rear consist of a PVC body and blades with flexible plastic seals.

The units can be provided in Mill Finish Aluminium, Polyester Powder Coated or Marine Grade Polyester Powder Coated and fitted with an optional Bird mesh (1.2mm expanded aluminium alloy, diamond mesh size 12.35mm x 35.05mm) or Insect mesh (perforated expanded aluminium alloy, diamond mesh size 3.5mm x 2mm)

Single skin 1.5mm aluminium or Double skin insulated or acoustic 1.5mm aluminium blanking plates are also available if required

Operation

Our operating units can be provided with the following modes of actuation;

- Manual/Hand operated
- Pneumatic Actuation
- Electrical Actuation (230v, 24v)

Size, free area & weight

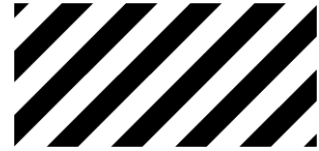
Louvre units can be manufactured to bespoke sizes to suit most requirements, larger non-standard sizes are manufactured in multiple sections for site assembly by installer. Standard units have an approximate weight of 20 kg/m²

The system provides a free area of 48% when fully opened and a Coefficient of Discharge of 0.32



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Thermac 2000 Louvres



Specifications

Thermac 2000 Louvre – L10 NBS Spec



Manufacturer: McKenzie Martin Ltd

Product Reference: Thermac 2000 Louvre

Description: Combination Weather Louvre with adjustable thermally broken PVC Damper to the rear

Louvre Blade Pitch: 75mm

Overall Depth: 230mm

Measured Free Area: 48% (Fully opened)

Coefficient of Discharge: 0.32

Material (Blades and Frame): Extruded aluminium grade 6063-T6

Material (Damper): uPVC with a U value of 1.2W/m²C

Finish: Mill Finish Aluminium / Polyester Powder Coated / Marine Grade Polyester Powder Coated

Mesh: Aluminium bird diamond mesh 35 x 12 / Aluminium fly diamond mesh 3.5 x 2

Method Of Operation: Manual Friction Loaded, Hand Operation / Pneumatic Actuation / 230v Actuator / 24v Actuator

Blanking Plates: None / Single skin 1.5mm aluminium / Double skin insulated 1.5mm aluminium

Fixing: Louvres to be installed in line with manufacturer's instructions by a competent installer



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