BPIR Declaration

Designated building product: Class 2

Ventuer has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product System

Name Ventuer MERCOR-MLR
Line MERCOR
Identifier MLR

Description

The MERCOR-MLR natural louvred ventilator has been designed for use as both a smoke extraction and natural ventilation device. With options of pneumatic or electrical controls, it ensures rapid extraction of smoke and hot gases during a fire. Available with BMS integration, purpose built control panels, the MERCOR-MLR roof mounted ventilators are suitable for use on most industrial buildings. Purpose engineered control panels incorporate necessary controls relative to the types of operation required, providing remote accessibility reducing occupation health and safety risks normally associated with elevated ventilation control.

Scope of Use

Designed for use as a roof mounted natural ventilation device or automated smoke ventilator. Throat sizes available between 800mm x 500mm and 3800mm x 2500mm. Typically constructed from aluminium (steel available upon request) and suitable for salt-spray zones and other corrosive environments when powdercoated appropriately. Multiple control options available, including electric actuators and pneumatic systems. Certified for use as a smoke ventilation device as part of the building fire safety system.

Relevant Building Code Clauses

Clause B1 Structure: Performance B1.3.3(a), B1.3.3(f), B1.3.3(h)
Clause E2 External moisture: Performance E2.3.2
Clause G4 Ventilation: Performance G4.3.1

Contributions to Compliance

- When sized correctly, the MERCOR-MLR ventilator complies with the requirements for natural ventilation of buildings under the New Zealand Building Code clause G4
- When installed in accordance with Ventüer technical literature, shop drawings and site-specific engineering the MERCOR-MLR ventilator complies with the requirements for structure under the New Zealand Building Code clause B1
- When installed in accordance with Ventüer technical literature and shop drawings the MERCOR-MLR Ventilator complies with the requirements around external moisture as outline in New Zealand Building Code clause E2

Design Requirements

- High aerodynamic performance
- Fire tested to EN:12101-2
- Fully compliant with the building code requirements for natural smoke and heat venting
- Automated or manual over-ride control options available
- Management System Integration (can be integrated with fire control and building management systems)
- Fail-safe operation via either pneumatic or electrical controls

The control panel can incorporate a range of features:

- Sensors for auto closing during inclement weather
- Smoke detection
- UPS battery powered back up
- Ventilation zoning and zone coupling
- Manual over-ride for servicing and maintenance
- Auto timer operation to accommodate ventilation operation demands
- Full integration into Fire Indication Panels

Installation Requirements

Installation requirements for the MERCOR-MLR ventilators vary dependent on the site wind loads, louvre panel sizes, cladding type and primary structure detailing. Ventüer provides full shop drawings for all installations which show sequencing, fixing type and sizing, flashing requirements and sealant details. Installers should make themselves fully conversant with these shop drawings prior to installation commencing.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements: Contact Ventüer for further details.

Contact Details

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