

mcr LAM LOUVERED SMOKE VENTS



STRUCTURE

Base

Made of galvanised steel sheet, 15 – 60 cm high; depending on the height, it can be a one- or two-piece element; with thermal insulation as standard (bases without insulation are also available), adapted for treatment with roofing paper or a PVC membrane, can also be supplied with flashings for mounting on a roof made of profiled sheet or adjusted to be fixed on an existing plinth (application mainly in the case of renovations).

Blades

Made of aluminium profiles with panels of cellular polycarbonate 16 mm thick; panels not transmitting light are also available.

Control

Pneumatic or electric system.
Set of deflectors / rain shield in every vent.

NEW



FUNCTIONS

- ▶ Smoke exhausting
- ▶ Air supply
- ▶ Ventilation
- ▶ Additional lighting

FEATURES OF THE mcr LAM SMOKE VENTS

- ▶ they can be installed on roofs of any inclination and in facades
- ▶ while open, they are high-resistant to wind
- ▶ low consumption of electric energy or compressed gas by control elements
- ▶ they ensure security of property: no access to the building through open vent
- ▶ the guaranteed safety of people working on the roof: protection against consequences of a fall



photo: Mateusz Grzanka

FIRE PROTECTION SYSTEMS

- ▶ fireproof partitions
- ▶ smoke and heat exhaust systems
- ▶ fire ventilation systems
- ▶ fire protection of building structures

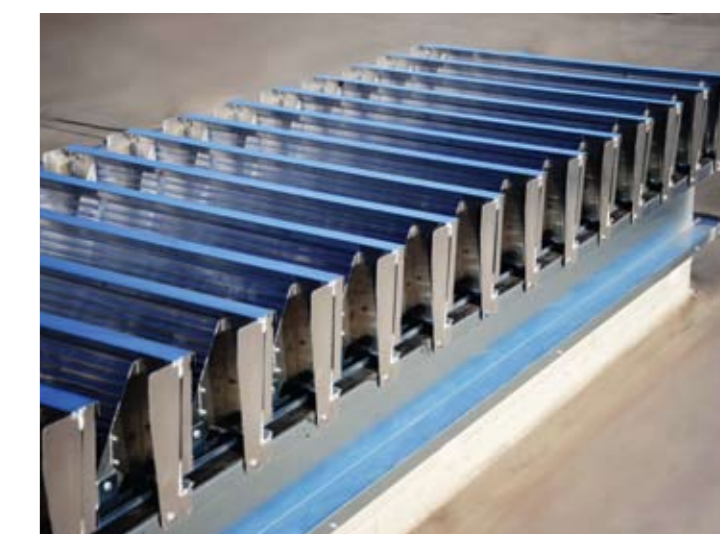
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natural smoke and heat exhaust systems

mcr PROLIGHT – smoke vents and rooflights
mcr LAM – louvered smoke vents
mcr PROSMOKE – smoke curtains

- ▶ comprehensive solutions for smoke and heat exhausting systems
- ▶ protection of escape routes against smoke
- ▶ reduction of material losses caused by fire and smoke
- ▶ supply of light and fresh air to building interiors

mcr PROLIGHT SMOKE VENTS



STRUCTURE

Base

Made of galvanised steel sheet, 15 – 50 cm high, with thermal insulation as standard (bases without insulation are also available), adapted for treatment with roofing paper or a PVC membrane, can also be supplied with flashings for mounting on a roof made of profiled sheet or adjusted to be fixed on an existing plinth (application mainly in the case of renovations).

Leaf

Steel frame with a cellular polycarbonate filling or a panel not transmitting light, acrylic or polycarbonate dome. Single or double leaf vents are available.

Control

Pneumatic, electric or mechanical systems.



FUNCTIONS

- ▶ Smoke exhausting
- ▶ Ventilation
- ▶ Additional lighting
- ▶ Exit onto the roof

FEATURES OF THE mcr PROLIGHT SMOKE VENTS

- ▶ optimised aerodynamic areas – up to 6.96 m² per device*
- ▶ large series of types:
 - single-leaf vents** – minimum dimensions: 80 x 50 cm, maximum dimensions: 195 x 250 cm
 - double-leaf vents** – minimum dimensions: 120 x 160 cm, maximum dimensions 300 x 300 cm
- ▶ simple and quick installation: vents delivered to a construction site are ready to be mounted

* For the DVP300/300 vents with deflectors and guiding jets.

mcr PROLIGHT CONTINUOUS ROOFLIGHTS

STRUCTURE

Base

Made of galvanised steel sheet, 15 – 50 cm high, without thermal insulation (bases with insulation are also available).

Dome

Aluminium frame with a cellular polycarbonate filling.

Integrated smoke vents or ventilation flaps



Single or double leaf vents with pneumatic or electric control systems.

FUNCTIONS

- ▶ Additional lighting
- ▶ Ventilation
- ▶ Smoke exhausting

FEATURES OF THE mcr PROLIGHT ROOFLIGHTS

- ▶ high quality products ensuring the supply of additional light to interiors



photo: Mateusz Grzanka

- ▶ wide selection of dimensions: rooflights of 120 – 700 cm in width and of unlimited length; it is possible to integrate smoke vents, smoke and ventilation or ventilation flaps of the following dimensions:
 - single-leaf vents** – minimum dimensions: 100 x 100 cm, maximum dimensions: 200 x 250 cm
 - double-leaf vents** – minimum dimensions: 100 x 150 cm, maximum dimensions: 250 x 250 cm
- ▶ simple and quick assembly: rooflights are delivered to a construction site in the form of ready-to-assemble elements which can be mounted on one's own (Mercor provides technical support, if needed)

mcr PROSMOKE SMOKE CURTAINS

TYPES

- ▶ mcr PROSMOKE S – static curtain
- ▶ mcr PROSMOKE CE – automatic rolling curtain
- ▶ mcr PROSMOKE FS CE – automatic rolling curtain with the "fail safe" option

STRUCTURE OF AUTOMATIC CURTAINS

- ▶ Steel casing
- ▶ Grey non-combustible fabric
- ▶ Roller
- ▶ Electric drive
- ▶ Line load

STRUCTURE OF STATIC CURTAINS

- ▶ Load-carrying (supporting) steel profile
- ▶ Pressing steel profile
- ▶ Grey non-combustible fabric
- ▶ Line load

FUNCTIONS

- ▶ Optimised smoke control
- ▶ Accumulation of smoke in compartments
- ▶ Improvement of smoke vent's effectiveness

FEATURES OF THE mcr PROSMOKE CURTAINS

- ▶ distinguished fire resistance parameters (DH30 – DH60)
- ▶ possibility of covering openings of any width
- ▶ variety of possibilities of fixing the curtains to the ceiling and joining modules together
- ▶ simple installation, low load for a structure

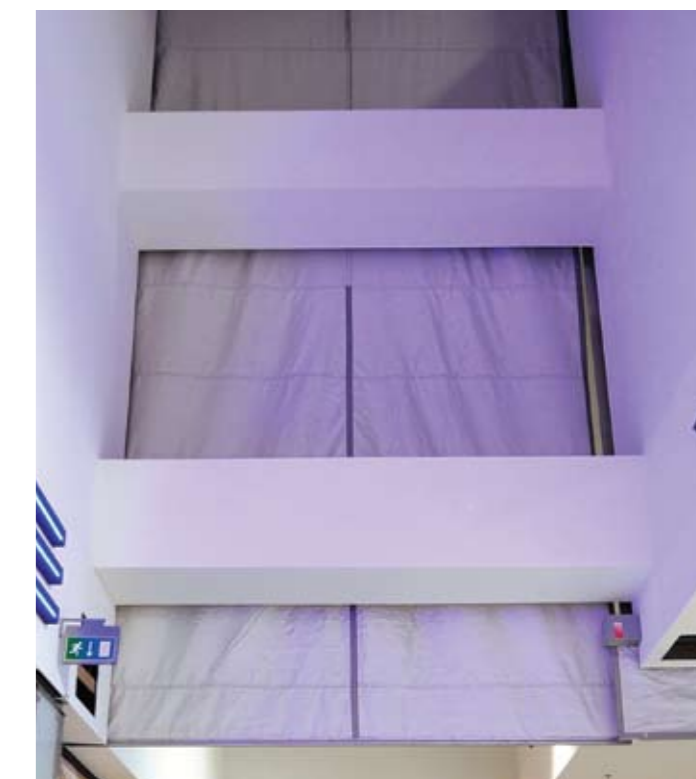


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