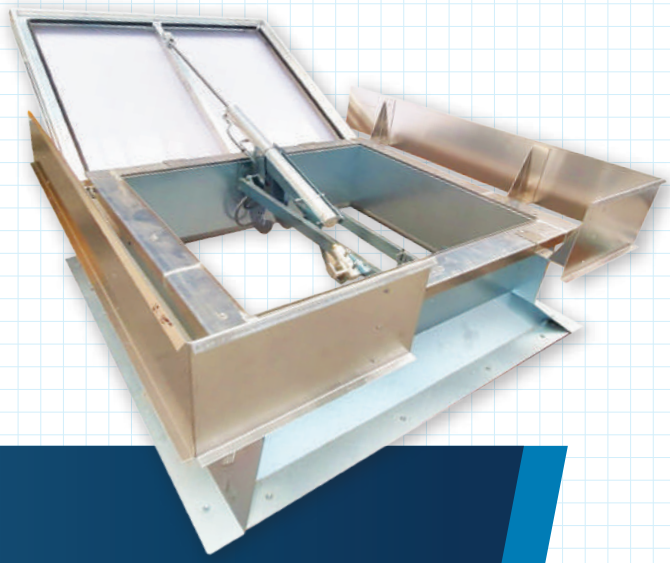


FIRELOCK MONO

NATURAL SMOKE AND HEAT EXTRACTION VENTILATOR ACCORDING TO EN 12101-2

Firelock MONO is single flap device intended for smoke extraction and day-to-day ventilation, made from aluminium with integrated upstands made from galvanized steel, certified according to the harmonized standard EN 12101-2.

Firelock MONO was developed as natural flap ventilator for automatic smoke extraction in case of fire, day-to-day ventilation and for daylight entry into the buildings. The device stands out as a particularly cost-effective alternative from the iPIC company's product portfolio of devices for NSHEV. The device is suitable for use in industrial and commercial buildings, in the exhibition halls and sport centers as well. The corrosion-resistant construction of the Firelock MONO device is made of high-quality, recyclable materials. Aluminum sheets, extruded aluminum profiles and polycarbonate sheets with high resistance to hail and excellent sound insulation properties are its main components.

Firelock MONO is all-around equipped by EPDM seals, which in cooperation with the well-thought-out concept of the frame guarantee not only the tightness of the device in the event of rain, but also ensure low air leakage losses by minimizing leaks and significant reduction in noise emissions.

Firelock MONO is aerodynamically optimized and is available with a geometric opening area of up to 4,14 m^2. The opening angle of the flap is 165°. Flap is locked in the end position and withstand high wind loads without any problems. For the purpose of daily ventilation, the flap can be equipped with a drive with a stroke 300 mm.

Firelock MONO is available in a variety of sizes, with a variety of flaps, control variants and frame designs. The variability of the device makes it possible to meet almost every customer requirement and thus achieve high efficiency with an optimal price-performance ratio.

For the function of natural fire ventilation, the Firelock MONO device can optionally be equipped with a pneumatic drive, thermo-automatic pneumatic components, or a 24V electric drive, which are attached to the opening mechanism on the stable traverse installed in the mounting frame.

For daily ventilation with stroke 300mm are available electric 24V/230V drives or additional pneumatic drive.

Firelock MONO consists of a steel galvanized upstand, aluminum frame, opening window, traverse and electric 24V or pneumatic drive for SHEV function.

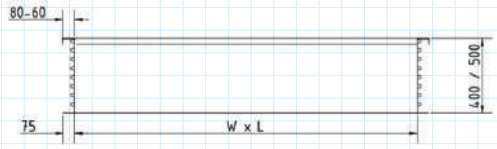
FIRELOCK MONO

Firelock MONO consists of a steel galvanized upstand, aluminum frame, opening window, traverse and electric 24 V or pneumatic drive for SHEV function.

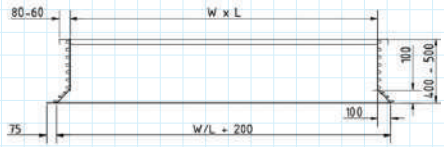
Optional the device can be equipped with:

- Windshield to optimize its aerodynamic properties
- Electric 24V/230V drive for daily ventilation with stroke 300 mm
- 6 bar pneumatic cylinder for daily ventilation with stroke 300 mm
- Galvanized grid against fall made from steel grid with mesh 100/100 mm
- Color surface treatment at the customer's request
- Insulated and two-layer upstands

Straight upstand – non-insulated



Conical upstand – non-insulated



The statically optimized steel upstand is available in two versions, straight and conical, and in standard heights of 400 mm and 500 mm.

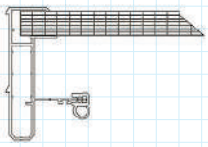
Non-standard dimensions are of course available on request. Assembly of the upstands is carried out using a form joint which enables quick assembly without the need for screws. In order to reduce transport costs and simplify handling on the construction site, the Firelock MONO, its accessories and the upstand are delivered as individual parts in a disassembled state as standard.

On request, pre-assembly of the device in the factory before collection is possible.

The flap is available in two versions:

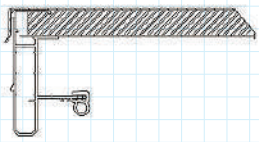
- P20/7 Aluminium flap frame with a polycarbonate filling

Thickness:	20 mm
Type:	clear or opal
U value:	Ug =1.55 W/m²K
G:	0,24 – 0,36



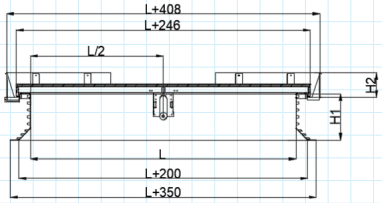
- A2 Aluminium flap filled with a sandwich construction made of aluminum sheet and thermal insulation

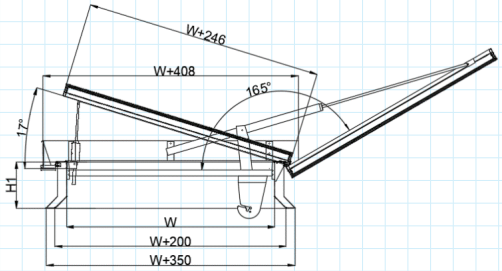
Thickness:	20 mm
Type:	natur Alu or RAL color
Heat insulation:	mineral wool
U value:	1,21 W/m²K

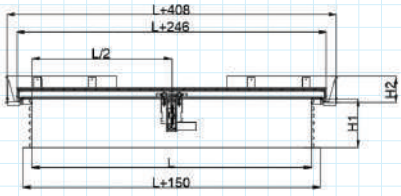


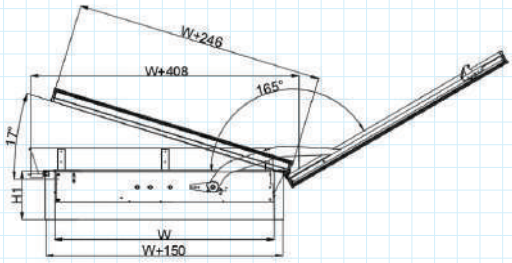
Its main advantages are the following:

- Demand covering wide variety of sizes and designs
- Optimization of the material thanks to the integrated mounting upstand system
- High functional safety and stability
- High-quality material components "Made in Europe"
- Optimized thermal insulation properties
- Aerodynamically optimized, volume-strong ventilation capacity
- Polycarbonate with increased hail resistance
- High durability
- Low weight of the device
- Variability of colors according to RAL
- Simple and quick installation
- Low-cost maintenance from the roof
- Certification according to EN 12101-2
- Optimal price-performance ratio









Characteristics:

Dimensions
Width 800 / 1,000 / 1,300 / 1,600 / 1,800 mm
Length 800 to 2,300 mm

Operating temperature
T00, / T(-15)

Aerodynamic free area
0.45 to 3.2 m²

Reliability
RE 1,000 (+10,000 for day ventilation)

Snow load
SL 154 to 2,700 N/m²

Wind load
WL 1,500 to 2,000 N/m²

Heat resistance
B300

Response to fire
Class E