



TECHNICAL DATA SHEET

RODA LOUVRE VENTILATOR AEROJET

Product description

The AEROJET is a louvre ventilator that serves as both a natural ventilation unit and an SHEV system. It combines the benefits of smoke and heat extraction with effective natural air exchange, while also ensuring daylight illumination within buildings.

For this purpose, the AEROJET ventilation and natural smoke extraction unit uses the thermal buoyancy in the building depending on the pressure and temperature difference for natural ventilation or natural smoke extraction in case of fire. Weather-independent daily ventilation is provided by an automatic rain sensor. In case of fire, AEROJET opens automatically via a thermal release device (TAG), a central manual release or the fire alarm system.

Construction features

The AEROJET consists of an extruded aluminium profile frame construction (alloy EN AW-6060) and swivelling, aerodynamically optimized slats. These can be made of aluminium or PC 16 or 25. Opening and closing is carried out via a pneumatic cylinder or servomotor. The pivot points of the slats are made of aluminium and mounted in UV-resistant sliding bushes. EPDM seals minimise the loss of warm air.

Benefits

- Ideal for installation in shed roofs and roofs with a pitch of 10° to 90° as well as in wall constructions
- Customised adaptation to any roof thus, to 8.16 m²
- Innovative patented rack and pinion drive solution
- Linear guidance ensures consistent and high-efficiency power transmission – setting market-leading standards and future-proofing performance.
- Suitable for multiple daily ventilation
- Full ventilation with slat position 90° thus, maximum geometric surface can be used as ventilation surface
- Natural daylight illumination, glare-free when using PC softlite
- Optimised for renovations - thermally separated extruded profile enables high thermal insulation values
- Smaller number of slats reduces the number of joints in the overall unit and increases ease of maintenance
- Only one drive required per device
- Fall-through protection
- Quick and easy installation
- Durable and low-maintenance



Natural ventilation and SHEV combined

The AEROJET system combines natural ventilation with smoke extraction in case of fire. It leverages thermal buoyancy caused by pressure and temperature differentials to enable efficient air circulation or smoke removal. In case of rain, the unit is automatically closed by an optional automatic rain sensor system, while a weather-independent ventilation option can be opened if required. In case of fire, AEROJET opens automatically via a thermal release device (TAG), a central manual release or the fire alarm system.



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