



## PRODUCT DATASHEET

# APOLLO

### PRODUCT DESCRIPTION

*Apollo is an EN12101-2 certified natural smoke and heat exhaust ventilator which is primarily used in industrial, commercial & municipal buildings. It is manufactured from high quality components including corrosion-resistant aluminium & has EPDM seals set into profiles which run horizontally right round the base to ensure low air permeability. It is available in thermally broken, insulated or single skin version with polycarbonate, insulated or glass flaps.*

### PRODUCT APPLICATIONS

*The Apollo NSHEV is primarily used in industrial, commercial & municipal buildings.*

### FEATURES AND BENEFITS

- *Thermally broken, insulated or single skin versions*
- *EN 12101-2 certified*
- *Polycarbonate, Insulated and Glass Flap options available*
- *Integrated fall through protection*
- *Lightweight design*
- *Manufactured in accordance with the requirements of ISO 9001 (quality management standard)*
- *Available up to a maximum width x length of 2500 x 3000 mm in mm increments*



**DESCRIPTION OF THE PRODUCT**

Apollo is an EN12101-2 and VdS certified natural smoke and heat exhaust ventilator which is primarily used in industrial, commercial & municipal buildings. It is manufactured from high quality components including corrosion-resistant aluminium & has EPDM seals set into profiles which run horizontally right round the base to ensure low air permeability. It is available in thermally broken, insulated or single skin version with polycarbonate, insulated or glass flaps.

**THE FOLLOWING FLAP VARIANTS ARE AVAILABLE:**

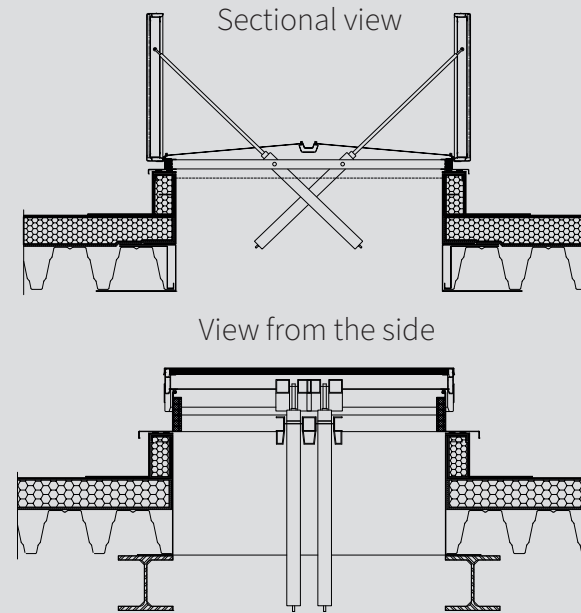
- PC16 mm 7-wall (clear/opal)
- PO16 H (hail-resistant PC sheet)
- PC16 21 (6 mm solid sheet, 10 mm PC sheet)
- PC32 mm (clear/opal)
- A2 double-skin aluminium flap
- GL laminated safety glass hood (VSG glass flap)

The outer surface of the polycarbonate (PC) sheet is co-extruded (longlife) to optimise weather resistance. The sheets are installed in such a way that thermal expansion is unhindered; they are not screwed through. Variable dimensions and flange designs allow for easy installation on upstands and roof structures. The use of lightweight system components results in low installation costs. The high-quality, low-maintenance device technology is particularly energy-efficient.

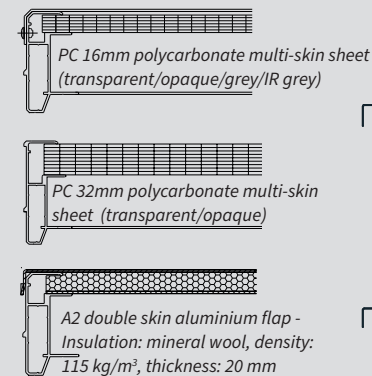
Specially developed stainless steel hinges for the system ensure smooth, reliable operation and dimensional stability of the device. The crossbars are made from extruded aluminium profiles. The integrated gutter is aerodynamically optimised. The device base is supplied as standard in a single-skin version, with optional double-skin insulated or thermally broken versions available. The Apollo ventilation flaps are opened and closed using double-acting pneumatic cylinders or electric motors in 24 V or 230 V versions. The 230 V drive system offers the advantages of faster opening speeds and noticeable cost savings for long cable runs compared to the 24 V drive system.

**PRODUCT INFORMATION**

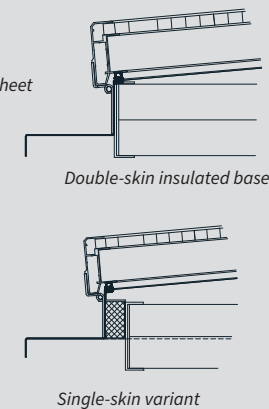
- Available in sizes up to maximum width × length of 2500 × 3000 mm
- Full range of RAL colour options available
- Can be used as an exhaust air system
- Activation can be thermally automatic (68 °C, 93 °C, 110 °C, 141 °C, 182 °C) and/or manual via an alarm box
- Ambient temperature T (00) or T (-15)
- Wind load resistance - WL 1,500 - 11,200
- Heat resistance - B300 E
- Snow load resistance up to 6,500 N/m<sup>2</sup>
- RE 1,000 + 10,000 for daily ventilation
- Sound insulation up to 35 dB
- Snow load up to 5700 N/m<sup>2</sup>
- RE 1,000 + 10,000 cycles for day-to-day ventilation
- Sound attenuation up to 28dB



**Flap variants**



**Base variants**



- GL\*\* 28 mm, 30 mm, or 32 mm thick insulating glass
- GLS Customer-specified insulating glass (24-40 mm and maximum 45 kg/m<sup>2</sup>)

**KEY FEATURES**

Thermally broken, insulated or single-skin versions

---

Certified according to **EN 12101-2** and VdS

---

Classified according to **EN 1873** (“**Plastic rooflights**”)

---

Available with polycarbonate, aluminium, or glass flaps

---

Integrated fall-through protection

---

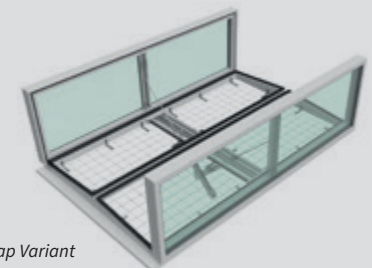
Manufactured in accordance with **ISO 9001** requirements

---

High smoke extraction performance

---

Available in sizes up to a maximum width × length of 2500 × 3000 mm, in millimetre increments



Glass Flap Variant

