

AIRSCOOP® SPECIFICATION DOCUMENT

Product Description:

Passivent Airscoop (Base Louvre) are roof mounted terminals which provide top-down or displacement ventilation using only wind power. Suitable for buildings with large open areas and open plan top floors.

System to comprise: ABS Modern / Traditional style Airscoop terminal, with internal dividers, is fitted to an Airscoop Base Unit. This base unit is extended into the building to house the Insulated Base Motorised Controllable Damper Unit. All necessary flashings, secret gutters, etc to be provided and installed by others.

Construction Details:

Airscoop Unit: Aluminum framed with high impact ABS cladding and louvres with rigid internal 9mm timber plywood dividers; insect screening behind all louvres. An intermediate horizontal lid at the highest louvre level, reduces any drumming noise and improves the aerodynamics of the terminal. All exposed surfaces are treated with UV-stable polymeric resin. Fitted with 85% free area 4mm insect screen. Texture and standard RAL colour to match roof covering.

Airscoop Structural Base Unit: Aluminum box section sheathed 12mm external grade plywood supplied at maximum of 1200mm long (overall) as standard and with rigid internal 9mm timber plywood dividers all the way down to the rear of the motorised louvre. This is installed within the roof covering, allowing the roof to be made watertight with flashings before the terminal is fitted. White insulation board clads the plywood below the roof line when base unit is visible within the room.

Insulated Base Motorised Controllable Damper:

In the base of this unit is an actuator controlling insulated damper with a 0.89W/m²K U-value. Actuators are supplied with 0.5m flying lead cable connected to junction box. Double skin aluminum louvre blades with ABS thermal break and blade compression seals within extruded aluminum frame. Aluminum two way diffuser below as standard, supplied to RAL9016 gloss (white). Other RAL colours are available on request.

Performance data:

Resistant to continuous wind loads at 51m/s demonstrated by independent BRE tests.

Double bank terminal design is 100% effective against water penetration to BS EN 13030: 2001, Class A rating.

Appraised under BS EN ISO 9001.

Standard Actuator (Supplied with product):

24V modulating (0-10V signal).

Options:

Special Terminal styles are available on request.

Acoustically treated version also available (up to 32 dB Dnew).

Cover Grille Options: two way or egg crate grille.

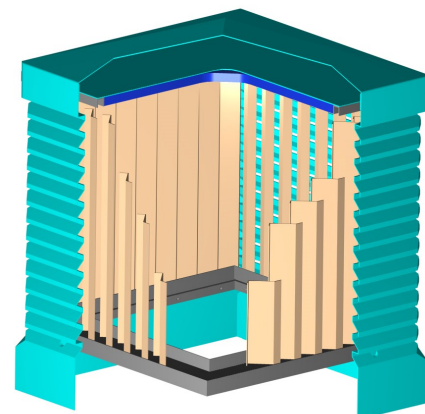
Additional segregated extension ducting pieces, if required.

No Leak Guarantee:

We offer a 15 Year No Leak Guarantee for this product. This is effective from the date of installation and the installation must be in accordance with the Passivent fixing instructions. Terms and conditions apply - see further information on page 3 or at passivent.com/nlg.

IES

The Airscoop roof terminal is available in the IES Virtual Environment passivent.com/IES.



Terminal Double Bank Louvre detail
100% (Class A) Rain Rejection, tested to
BS EN 13030: 2001
(dividers removed for clarity)



Information Update

PVCTI5 - Issue 4 - March 2025

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Technical Drawing: Square Terminal

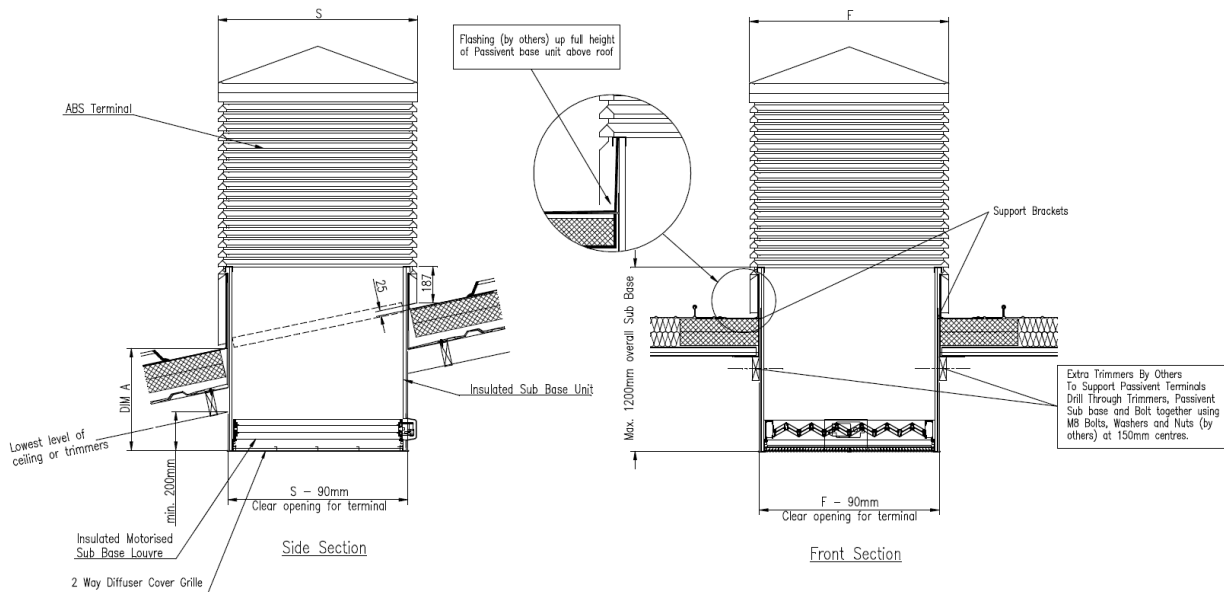


Table below demonstrates the Passivent Airscoop Terminal dimensions, masses and required clear openings

Terminal Dimensions (mm)	Height ¹ (mm)	Weight of Terminal ² (Kg)	Clear Opening Required (mm)
575 x 575 s	818	69	485 x 485
800 x 800 s	1109	110	710 x 710
1025 x 1025 s	1350	166	935 x 935
1250 x 1250 s	1391	209	1160 x 1160
1400dia c	1363	197	935 x 935
1700dia c	1583	246	1160 x 1160

S = Square Terminal C = Circular Terminal

- Table based on 0° Roof Pitch figures.
- Weights based on Structural Sub Base Unit of 1000mm long.
Square Terminals available for up to a 45° roof pitch. Circular Terminals available for up to a 30° roof pitch.

Passivent maintains a policy of continuous development and reserves the right to amend product specifications without notice.

15 Year No Leak Guarantee

No annual servicing required

This guarantee covers the
Passivent Airstcoop®, **Airsttract®**,
and **Hybrid Plus Airsttract®**
Roof Ventilation Terminals

- We guarantee the above-mentioned terminals will not leak for 15 years from the date of installation.
- The patented double-bank louvre system in the terminal means that your building will be 100% ventilated regardless of the weather conditions.
- No servicing is required - there are no mechanical or electrical items, such as actuators, within the terminal to maintain, therefore no external/roof access is required.

Terms & Conditions

The 15 year guarantee period is effective from the date of installation.

The installation must be in accordance with Passivent fixing instructions otherwise this guarantee will be invalid.

This guarantee does not apply to any failure or defect caused by accidental damage, neglect, abuse, misuse, alteration, shipping damage, unauthorised repair or modification, or causes external to the product such as, but not limited to, a natural disaster.

This guarantee is in addition to your statutory rights and is transferable to any future owner of your building provided that the terminals have been paid for.

passivent

**building
product design**

Passivent is certified under the ISO 9001 quality standard, ISO 14001 environmental standard and ISO 45001 health and safety standard.

910510
May 2023 | Issue 1

