

# Technical Data Sheet

## PASSYFIER VENT 230

### SLEEVED DEHUMIDIFER VENT



#### **Description:**

The Passyfier Vent 230 provides an opening on a section of wall normal to the airflow direction with an effective area well in excess of the minimum requirement.

Airflow through the opening is controlled automatically by the intervening mineral wool slab and thereby avoids undue draughts.

It is important to realise that the release of moisture vapour pressure within a dwelling to avoid condensation does not require a specific ventilation rate.

The moisture vapour pressure within a dwelling is always higher than the outside pressure therefore there will always be an escape of moisture vapour by the diffusion process through the Passyfier Vent.

The diffusion process is slow compared with mechanical ventilation and would not cope with the copious amount of water vapour produced in a short time scale without the combined use of mechanical ventilation in kitchens and bathrooms.

Its main use is in habitable rooms where it operates continuously without noise and over a 24 hour period can extract a maximum of 2.3 litres of water/day even at low vapour pressures.

#### **Recommendations:**

- 1) Allow one vent per room with a maximum floor area not exceeding 20m<sup>2</sup>.
- 2) In an open plan living room allow for two vents opposite each other.
- 3) Use the compatible wind blast cowl with every vent in exposed or coastal locations. Use in conjunction with mechanical extraction in kitchens and bathrooms.
- 4) Kill any mould that exists on the floor, wall and ceiling surfaces with a good quality fungicidal wash before redecorating (See our Platinum Mould Eradication Kit).
- 5) Install the Passyfier Vent at a high level in retrofit and new-build applications if possible.
- 6) Use the Passyfier Sleeved Vent Kit where ever practical to maximise the transmission of water vapour.

**Note:** Passyfier Vents are used as an aid to help control humidity and are NOT to be used as a method of providing ventilation to any gas, oil, or solid fuel appliance.

#### **PASSYFIER VENT 230 SLEEVED WALL VENT KITS:**

##### **Order Codes:**

|               |                              |
|---------------|------------------------------|
| <b>AC01T</b>  | External Airbrick TERRACOTTA |
| <b>AC01B</b>  | External Airbrick BUFF       |
| <b>AC01DG</b> | External Airbrick DARK GREY  |
| <b>AC01RR</b> | External Airbrick RUSTIC     |
| <b>AC01W</b>  | External Airbrick WHITE      |

##### **Specifications:**

- Maximum water vapour transmission 2.3 litres per 24 hours
- Maximum floor area per vent kit equals 20m<sup>2</sup>
- Airbrick incorporates ArrestAir-Pro vane technology. Actual size 215 x 140mm high
- Main tube length (open), 340mm
- Main tube length (closed), 240mm
- To fit 230mm x 155mm aperture, i.e. standard 225 x 150mm (9"x 6") airbricks
- Internal white plastic grille with built in fly screen. Plastic grille has extra coverage for ease of retro fitting.

#### **PASSYFIER VENT 230 EXTENSION SLEEVE:**

##### **Order Code:**

|             |                        |
|-------------|------------------------|
| <b>AC03</b> | Extension Sleeve WHITE |
|-------------|------------------------|

##### **Specifications:**

- Available in white only.
- Each extension allows for an additional 112mm of wall thickness.

**PASSYFIER VENT 230 WIND BLAST COWL:**

Retro fitting over existing draughty airbricks / duct outlets, or extractor fan outlets. Can be retro fitted over the airbrick front to any of the Passyfier Sleeve Kits for superior anti-draught performance.

**Order Code:**

**AC05T** Wind Blast Cowl TERRACOTTA  
**AC05B** Wind Blast Cowl BUFF  
**AC05W** Wind Blast Cowl WHITE

**Specifications:**

- To be used in exposed/coastal locations
- ArrestAir-Pro bi-planar vane technology
- Universal nominal coverage of 225x150mm (9"x6") or 150mm (6") diameter.

Date: May 2012

**Platinum Building Chemicals Ltd**, Unit 10 Colvilles Park, Kelvin Industrial Estate, East Kilbride, Lanarkshire, G75 0GZ

Tel - 01355 222777 Fax - 01355 222715

Web - [www.platinumchemicals.co.uk](http://www.platinumchemicals.co.uk) E-mail - [info@platinumchemicals.co.uk](mailto:info@platinumchemicals.co.uk)