



## PASSIVE AIR VENT

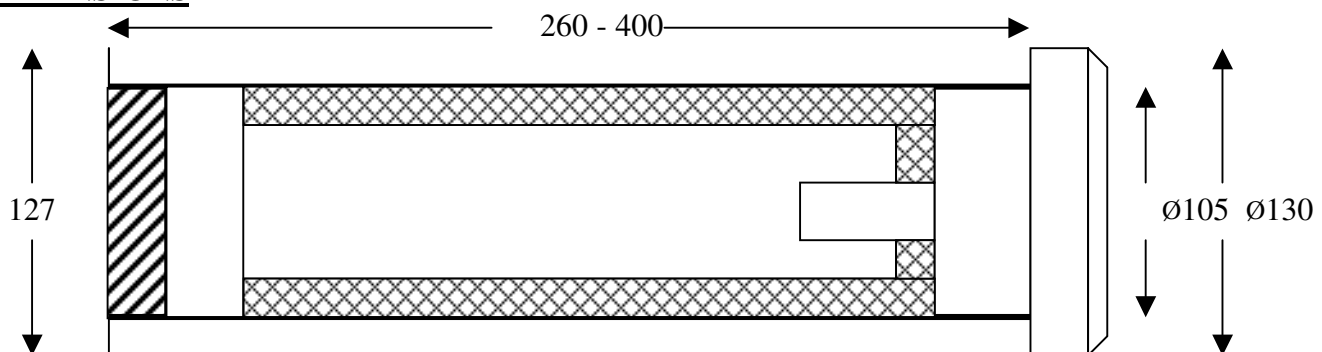
For a healthy internal environment a controlled amount of fresh air needs to be introduced into the living zone to give an hourly air change of between 0.5 and 1.5 air changes per hour (ACH). This will help preserve a healthy internal air quality. (AIQ) Many properties have the benefit of mechanical extractor fans in kitchens and bathrooms. To function correctly and efficiently, supply air must be provided to replace that which is exhausted by the extractor systems. This is to ensure adequate ventilation in rooms which traditionally are under-ventilated. It is based on this criteria that the Type 420 telescopic ventilator was designed.

The majority are installed in bedrooms where they provide draught free, filtered air as well as keeping noise to a minimum with the inclusion of a sound insulator. The ventilator is usually installed in a relatively high position on an external wall so as to provide cross ventilation, i.e. the furthest corner from the door. You should fit one per bedroom. Located inside the telescopic tube is an absorbent layer which reduces outside noise by a minimum of 29Db in the fully open position and a screen to prevent insects from entering the unit. The unit is modular and may be easily dismantled for cleaning purposes. Air flow is controlled by the internal adjustable valve which has 4 positions and when fully open provides 400mm<sup>2</sup> of free air space. The valve cannot be closed, thereby ensuring continuous low level ventilation. The main consideration is draught. Draughts are effectively reduced by altering the direction of the air flow. This is achieved by the insulated disc, which turns incoming air through 90 degrees.

Traditional trickle vents located in windows are, by virtue of their design, draughty and when curtains are drawn have little effect and often exacerbate condensation due to a considerable temperature drop between the curtain and the window.

- Draughtproof wall-ventilator for permanent air supply.
- Easy mounting with 105mm diameter core drill. Telescopic for various wall thickness – no shortening of duct.
- Minimal maintenance.
- Good noise reduction for normal living environments.
- Condensation insulated.
- 4 position cord operated airflow control.
- Insect Screen

### DIMENSIONS



The passive vent offers replacement air without draughts, four position airflow control, sound insulation, dust and insect filters, water deflector and fly screen on external grille. It is also telescopic for different wall thicknesses.

Although not as quick acting as dehumidifiers or positive air vent units, the passive air vent will give the same final result and so reduces condensation, black spot mould problems and there will be no future running costs to the householder.

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