

PASSIVENT FRESH 90dB ACOUSTIC THROUGH WALL VENT



The Passivent Fresh 90dB through wall vent is a non-electrical through-wall vent providing effective and controllable background ventilation, ideal for use in buildings situated in noisy environments such as near main roads, railways or airports.

The vent has been developed to satisfy the ever increasing demands for noise reduction and at the same time achieving good indoor air quality.

The vent ensures required ventilation levels are achieved, whilst preventing ingress of dust, rain and insects.

The vent can be used to meet the relevant background ventilation requirements for new both new build and refurbishment developments, and offers security, adjustability, and avoidance of discomfort due to cold draughts and prevention of rain ingress.

OPERATION

The Passivent Fresh 90dB through wall ventilator is adjustable through manual operation but can be installed to offer a guaranteed trickle facility even when the vent is 'closed'.

On the inside of the internal cover there is an iris which opens and closes to either increase or decrease ventilation. The wider it opens, the more ventilation is allowed, and vice versa.

On the underside of the internal cover there is an adjustable slider switch which is linked to the iris within the internal cover. The slider is operated manually to open or close the iris and adjust the ventilation rate through the vent.



FEATURES

Sound Reduction

Acoustic sleeve reduces noise from outside by up to **45dB Dn,e,w**

Variable Ventilation

Easily controlled by slider-operated precision damper

Efficient Air Distribution

Comfortable air flow pattern designed to prevent draughts and provide efficient air distribution

Condensation Protection

Condensation protection by insulation within internal controller unit

Filter as Standard

Dust and insect filter is supplied with the product as standard. Pollen filter also available as a separate option

Energy Efficiency

Being non-electrical, the Passivent Fresh 90dB is ideal as part of an energy efficient ventilation system

Ease of Installation

As there are no electrical connections to be made, installation is made as simple as possible

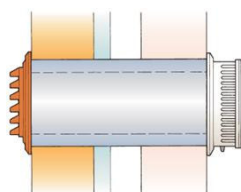
Simple Maintenance

With no electrical parts to malfunction, the vent requires minimal maintenance

Ideal for Existing Dwellings

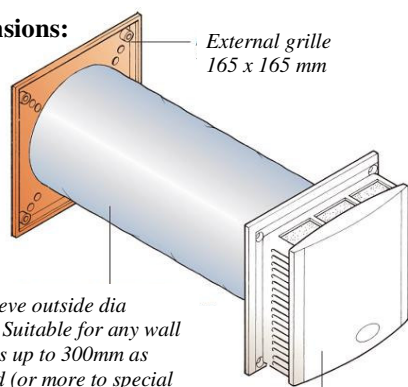
Simple through wall installation is suited to existing dwellings and avoids the need to use window vents

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Section through Wall

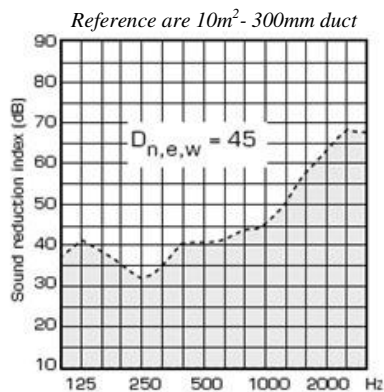
Dimensions:



External grille
165 x 165 mm

Wall sleeve outside dia
140mm. Suitable for any wall
thickness up to 300mm as
standard (or more to special
order)

Internal controller
150 mm x 150 mm x 48mm
Backplate: 165mm x 165mm



Specification

Passivent Fresh 90dB ~ Provide background ventilation to meet relevant Building Regulations Approved Document F1 by means of wall ventilators (Passivent Fresh 90) giving up to 6000mm² free area or 2630mm² equivalent area of ventilation controllable by regulator; internal controller, wall sleeve and external grille of ABS, and with sound attenuation up to 45dB Dn,e,w.

To be supplied by Passivent Limited, 2 Brooklands Road, Sale, Cheshire, M33 3SS.

Telephone: 0161 905 5700, fax: 0161 969 5346, email: technical@passivent.com.

Installation to be in accordance with the manufacturer's instructions, and to be carried out by a Passivent Mastercare trained installer holding a current certificate.

Layout and installation must comply with any design recommendations supplied. By Passivent Limited

Material:

ABS (Recyclable)

Colour:

Internal Controller - White

External grille - Terracotta

Colour matched internal covers and external grilles are available to order

Optional Accessories:

Pollen filter to prevent pollen ingress

Storm shield to prevent drafts in windy locations

External dB cowl to provide additional sound insulation
(up to 2 dB Dn,e,w additional insulation)

Installation:

Locate in a high position, typically 1.7m where possible

SOUND INSULATION UP TO 45dB Dn,e,w

Product	Standard Operation	Trickle Facility	Ventilation Free Area	Ventilation Equivalent Area	Airflow Rate @ 10Pa
Passivent Fresh 90dB	Manual control via slider at bottom of vent	Yes 0-1200mm ²	6,000mm ²	2,630mm ²	9.0l/s

PASSIVENT LIMITED

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

BPD

A member of the Building Product Design Group

