

## FRESH 99H & 99HdB HUMIDITY-SENSITIVE WALL VENTILATORS

The Glidevale range of Fresh wall ventilators has been specifically designed to introduce fresh air into our homes in order to control condensation, and being non-electrical they use no energy to operate. The vents direct the air flow from around the centre of the room to effectively disperse it.

The Fresh 99H and acoustic model 99HdB are humidity-sensitive, making them fully automatic, requiring no user interaction. This feature makes them the ideal choice for social housing, student accommodation and hotels.



Improved ventilation rate  
and aesthetics

### BENEFITS

- New contemporary design.
- Humidity-sensitive.
- Fully automatic - no user interaction.
- Virtually maintenance free.
- Superior ventilation rates.
- Acoustic version available for noise reduction up to 40dB Dn,e,w.
- Easy to fit.
- External grille incorporates integral fly screen.
- Can be used as part of Glidevale's iPSV range.

With manually controlled vents, there is the reliance on the user to open and close the vent as required. If they do not use the product as intended, it is possible that dwellings are over or under ventilated. Over ventilating will mean that excess heat is lost, therefore requiring more energy from the house heating to warm the space, costing more money. Under ventilating can lead to issues of condensation and possible mould growth.

An automatic unit, such as the Fresh 99H, opens and closes dependent upon relative humidity, thus reducing the potential for condensation and the amount of heat loss. The product does not require any manual interaction to operate, making it ideal for social housing, care homes, hotels and student accommodation.

Glidevale also offers an acoustic version, the Fresh 99HdB, which helps to reduce the amount of noise ingress from the outside, making it suitable for use where there are high levels of external noise such as near main roads, airports or railway lines.

The Fresh 99H is an ideal partner for the Glidevale iPSV whole-house ventilation system, to provide background ventilation to comply with Building Regulations. iPSV requires only one background ventilator per 'dry' habitable room to meet the Regulations, as stated in the independent BBA certification. BBA is recognised as an Alternative Approach to meet the requirement of Building Regulations.

**Fresh 99H & 99HdB humidity-sensitive ventilators**

Both non-electrical, non-mechanical humidity-sensitive through wall vents provide controllable, responsive background ventilation. Supplied as automatic internal vent, ducting and external grille, the Fresh 99HdB acoustic ventilator offers the added benefit of noise reduction to 40dB Dn,e,w.

**Features**

- Automatic opening / closing dependent upon relative humidity (RH).
- Energy saving through reduced heat loss.
- Operating range 35% to 75% RH.
- Trickle facility even when 'closed' to ensure fresh air ingress.
- 99HdB model offers sound reduction up to 40dB Dn,e,w.

**Materials**

Body: Recyclable ABS.  
 Duct (Fresh 99HdB only) – glass fibre with PVC skin.  
 Colour: Internal controller – white.  
 External grille – terracotta.  
 Colour matched to RAL available (contact us for pricing).

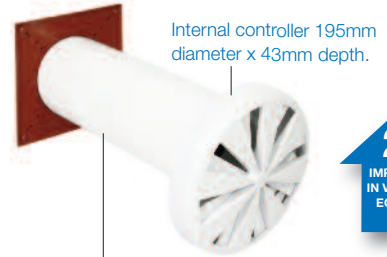
**Optional extras**

Acoustic cowl.  
 Duracowl storm shield to prevent draughts in windy locations.  
 Additional wall sleeves / alternative sizes (special order).



**Fresh 99H**

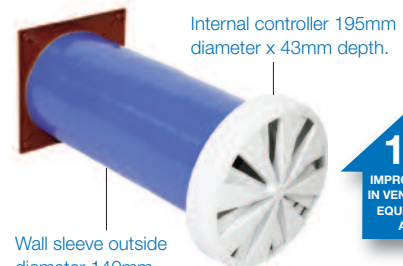
External grille 140 x 140mm.



Internal controller 195mm diameter x 43mm depth.  
 Wall sleeve outside diameter 99mm.  
 Suitable for any wall thickness up to 350mm as standard (or more to special order).  
 Please note: 100-110mm diameter core bit required for fitting.

**Fresh 99HdB (acoustic version)**

External grille 165 x 165mm.



Internal controller 195mm diameter x 43mm depth.  
 Wall sleeve outside diameter 140mm.  
 Suitable for any wall thickness up to 300mm as standard (or more to special order).  
 Please note: 145-150mm diameter core bit required for fitting.

**Performance**

Product	Standard operation	Trickle facility	Ventilation equivalent area*	Geometric free area	Airflow rate @10Pa	Sound reduction up to
<b>Fresh 99H</b>	Automatic humidity control	Yes	4210mm <sup>2</sup>	5600mm <sup>2</sup>	10.5 l/s	n/a
<b>Fresh 99HdB</b>	Automatic humidity control	Yes	3930mm <sup>2</sup>	5600mm <sup>2</sup>	9.8 l/s	40dB Dn,e,w

\* calculated as an average of both airflow directions, rounded down to the nearest 10.

**Stockist's stamp**

**GLIDEVALE**

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



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