TRICKLE VENTILATORS
When people talk about ventilation they think of the extract unit, taking the air of the building. A ventilation system is more than just extracting air, it also relies on the replacement of stale air with fresh, clean air.

Whether you’re using a passive stack system, a mechanical extract system or even intermittent extract units, Building Regulations call for a set amount of background ventilation for each ventilation strategy.

To avoid condensation the extraction of warm, moist air is not enough, it has to be in conjunction with an input of fresh air, yet this is often over looked for a number of different reasons. The fresh air not only creates a fresh atmosphere, it also promotes air movement to ensure that air is circulated around the property.

There are many cases where people have a sufficiently working extract system yet still experience condensation within properties, and the main reason is because of insufficient fresh air.

Glidevale offers a range of window ventilators to enable fresh air to be input into a building to ensure a healthy atmosphere and to reduce the potential for condensation and mould. They are incorporated through the head of the window frame and are available with manual or automatic (humidity-sensitive) openings.

Standard window vents are designed to allow air to enter the building to provide the stated levels of background ventilation to meet the requirements of Building Regulations.

Acoustic window vents not only provide the stated levels of background ventilation, but also noise attenuation for buildings which may be situated where external noise could pose a disturbance to the occupant.

<table>
<thead>
<tr>
<th>Standard window vents</th>
<th>Ventilation equivalent area</th>
<th>Geometric free area</th>
<th>Acoustic performance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ultra Vent</strong></td>
<td>2500 / 4000 / 5000mm²</td>
<td>2742 / 4465 / 5400mm²</td>
<td>-</td>
</tr>
<tr>
<td><strong>Energy Saver, Humidity-sensitive</strong></td>
<td>3815mm²</td>
<td>4000mm²</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acoustic window vents</th>
<th>Ventilation equivalent area</th>
<th>Geometric free area</th>
<th>Acoustic performance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acoustic Energy Saver, Humidity-sensitive</strong></td>
<td>3815mm²</td>
<td>4000mm²</td>
<td>39dB</td>
</tr>
<tr>
<td><strong>Acoustic Low Profile</strong></td>
<td>1777 / 1600mm²</td>
<td>4400 / 4400mm²</td>
<td>40-42dB</td>
</tr>
</tbody>
</table>
Colour
Bright White RAL 9016 as standard with alternative colours available upon request.

Air permeability
Ultra Vent 5000 achieves 0.25m³/hr at 50Pa in the closed position when tested to BS EN 1026: 2000.

Water tightness
Ultra Vent 5000 achieves 1000Pa pressure with no leakage in the closed position when tested to BS EN 1027: 2000.

Performance and dimensions

<table>
<thead>
<tr>
<th>Equivalent area</th>
<th>Ventilation free area</th>
<th>Geometric slot required size</th>
<th>Dimensions (length x height x width)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Vent 2500</td>
<td>2500mm²</td>
<td>1no x 13-17 x 165mm</td>
<td>Internal vent: 235 x 25 x 10mm (TVUV25) External canopy grille: 203 x 26.5 x 36mm (TVUG25)</td>
</tr>
<tr>
<td>Ultra Vent 4000</td>
<td>4000mm²</td>
<td>2no x 13-17 x 135mm</td>
<td>Internal vent: 350 x 25 x 10mm (TVUV4) External canopy grille: 373 x 26.5 x 36mm (TVUG5)</td>
</tr>
<tr>
<td>Ultra Vent 5000</td>
<td>5000mm²</td>
<td>2no x 13-17 x 162.5mm</td>
<td>Internal vent: 405 x 25 x 10mm (TVUV5) External canopy grille: 373 x 26.5 x 36mm (TVUG5)</td>
</tr>
</tbody>
</table>
ENERGY SAVER, HUMIDITY SENSITIVE

Automatic function dependent upon humidity levels in the room. Can be used to meet background ventilation requirements of Building Regulations throughout the UK and Republic of Ireland. Minimises unnecessary ingress of cold air. No user input is required, and can help to reduce potential for condensation. Designed for use with Ultra Grille (TVUG5) external canopy grille (see page 3).

Features
● Automatic, no user input.
● Uses no electricity or mechanical power.
● Directs airflow upwards avoiding draughts and discomfort.
● Energy efficient, minimises heat loss.

Technical
Airflow at 20Pa: minimum 7m³/hr (closed to trickle), max 40m³/hr.
Ventilation levels
47% RH - 500mm² ventilation area
65% RH - 3815mm² ventilation area

Performance and dimensions

<table>
<thead>
<tr>
<th>Product</th>
<th>Ventilation equivalent area</th>
<th>Geometric Slot size</th>
<th>Length</th>
<th>Sound reduction up to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVES4</td>
<td>3815mm²</td>
<td>4000mm²</td>
<td>2no x 13 x 162.5mm</td>
<td>400mm</td>
</tr>
</tbody>
</table>

ACOUSTIC ENERGY SAVER, HUMIDITY SENSITIVE

Humidity sensitive, acoustic through frame window vent. Provides automatic ventilation and sound insulation for use near noise sources. Designed for use with Ultra Grille (TVUG5) external canopy grille (see page 3).

Features
● Energy saving, reduces over ventilating.
● Substantial sound reduction.
● No user input required to control.
● No mechanical or electrical components.

Material
Body: Injection moulded polystyrene.
Colour: White, brown or black.
Colour matched to RAL available.
Contact us for pricing.

Performance and dimensions

<table>
<thead>
<tr>
<th>Product</th>
<th>Ventilation equivalent area</th>
<th>Geometric Slot size</th>
<th>Length</th>
<th>Sound reduction up to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVES4dB</td>
<td>3815mm²</td>
<td>4000mm²</td>
<td>2no x 13 x 162.5mm</td>
<td>420mm  39dB Dn,e,w</td>
</tr>
</tbody>
</table>
**ACOUSTIC LOW PROFILE**

Acoustic through frame window vent. Low profile design with manual operation. Available in either 450mm or 800mm widths and provides up to 42dB attenuation. Designed for use with Ultra Grille (TVUG5) external canopy grille (see page 3).

**Features**
- Substantial sound reduction.
- Internal filter prevents insect and dust ingress.
- Simple and easy operation.
- Meets requirements of BS 6375-1 for resistance to water.
- Internal vent easily removed for cleaning.

**Material**
Body: Aluminium with polyester paint finish
Colour: White or grey.
Colour matched to RAL available. Contact us for pricing.

**Performance and dimensions**

<table>
<thead>
<tr>
<th>Product</th>
<th>Ventilation equivalent area</th>
<th>Geometric free area</th>
<th>Slot size required (height x width)</th>
<th>Length</th>
<th>Sound reduction up to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVALdB450</td>
<td>1777mm²</td>
<td>4400mm²</td>
<td>1no x 13 x 350mm</td>
<td>456mm</td>
<td>40dB Dn,e,w</td>
</tr>
<tr>
<td>TVALdB800</td>
<td>1600mm²</td>
<td>4400mm²</td>
<td>1no x 13 x 350mm</td>
<td>806mm</td>
<td>42dB Dn,e,w</td>
</tr>
</tbody>
</table>

**Specification clause**
Select options required, and insert information where necessary. Provide background ventilation complying with Building Regulations by means of internal window ventilators giving *1777/1600mm² equivalent area of ventilation (Glidevale acoustic low profile vent *TVALdB450/800) to achieve up to *40/42dB Dn,e,w sound reduction. Made of aluminium with ABS end caps. Supplied with dust and insect filter as standard. Ventilators to meet or exceed the worst case requirements of BS 6375-1 for resistance to water penetration in conjunction with specified external grille (Glidevale TVUG5).

*Delete as required

To be supplied by Glidevale, 2 Brooklands Road, Sale, Cheshire M33 3SS, Tel: 0161 905 5700. Fax: 0161 905 2085. Email: info@glidevale.com.

**RELATED PRODUCTS**

The Glidevale range of tricklevents can be used as part of a whole-house strategy using our intelligent Passive Stack Ventilation (PSV) system, which requires no energy to use and has no moving parts.

Glidevale also offers a range of Fresh through wall ventilators which can provide the stated levels of background ventilation to meet the requirements of Building Regulations. They are available with various manual control mechanisms or automatic openings (humidity-sensitive). Acoustic options are also provided.
FURTHER INFORMATION

Environment / operational information
As part of our commitment to minimising our impact on the environment, and to continuous improvement in our methods of operation, Glidevale is accredited to ISO 14001 Environmental Management, OHSAS 18001 Health and Safety Management and ISO 9001 Quality Management Systems.

Technical support
Glidevale offer a full technical advisory and estimating service. Contact our Technical Services department on 0161 905 5700 for further information or to request a complete schedule and quotation covering all products required.

Other products from Glidevale
Cavity trays and preformed DPCs.
Ground floor gas and damp protection products.
Tile and slate ventilators.
Abutment ventilation.
Loft access hatches / ladder.
Eaves and low level ventilation systems.
/iPSV® whole-house ventilation system.

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