A high performing Glazed In vent which provides a complete thermal barrier in the closed position. Its double seal and pressure pads ensure that it is ideally suited for high rise and exposed locations.

**Features**
- Thermally broken (uPVC Barrier)
- Insect grille
- Manufactured from extruded aluminium (vent body)
- Polyester powder coated
- 10 Year Guarantee
- uPVC Hood

**Options**
- Manual Control
- Cord Control (Right hand)
- Bespoke Sizes
- Upward Deflector
- FC Fully Controllable Ventilation
- ALU Aluminium Hood

**Colours**
- White (HIPCA) RAL 9910 “Semi-gloss”
- Black RAL 9005 “Semi-gloss”
- Mill Finish

Bespoke Colours and Finishes Available
**Unit sizes (Glass Thickness)**

Available in 28mm

**Sizing Guidelines**

Whilst the Brookvent range of Glazed-in Window Ventilators has been designed to suit all window systems, Brookvent strongly advise a test installation be carried out. This test should:

- Check that the correct glass reduction has been applied
- Ensure that sufficient working clearance remains to successfully fit the glazing beads

Please note that the overall ventilator width is usually the same as the glass unit width.

**Glass Height Reduction (Guide Only)**

The 28mm (Glass Thickness) option may differ due a 5mm height increase to the ventilator head detail (i.e. glass height reduction of 70mm). This allows for greater penetration into the window rebate without necessarily increasing the glass reduction.

**Airflow Guide**

<table>
<thead>
<tr>
<th>Glass Thickness</th>
<th>Option</th>
<th>Equivalent Area/Metre</th>
<th>Length for 2500 EA</th>
<th>Length for 5000 EA</th>
<th>Geometric Open Area/Metre</th>
</tr>
</thead>
<tbody>
<tr>
<td>28mm</td>
<td>Thermal Break (Fully Controllable)</td>
<td>5670</td>
<td>441mm</td>
<td>882mm</td>
<td>6414</td>
</tr>
<tr>
<td>28mm</td>
<td>Thermal Break (Fully Controllable &amp; Upward Deflector)</td>
<td>5225</td>
<td>478mm</td>
<td>957mm</td>
<td>6414</td>
</tr>
</tbody>
</table>

Bespoke sizes available

**Acoustics**

Under normal conditions the airvent Thermal Break achieved the following Sound Reduction results:

<table>
<thead>
<tr>
<th>Position (Normal Operation Mode)</th>
<th>Acoustic Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>FULLY OPEN</td>
<td>Up to 30 db Dnt Rw</td>
</tr>
<tr>
<td></td>
<td>Up to 30 db Dne W</td>
</tr>
<tr>
<td>CLOSED</td>
<td>Up to 42.5 db Dnt Rw</td>
</tr>
<tr>
<td></td>
<td>Up to 42 db Dne W</td>
</tr>
</tbody>
</table>

Acoustic test data available upon request

**Cross Section Dimensions**

**Thermal Break**

- A (Glass Thickness) 28
- B (Overall Height) 79
- C (Rebate Depth) 20
- D (Overall Width) 63
- E (Glass Height Reduction) 70

Dimensions in mm