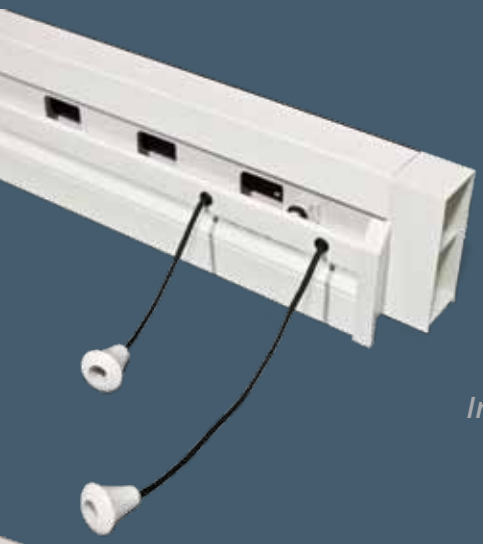
BROOKVENT

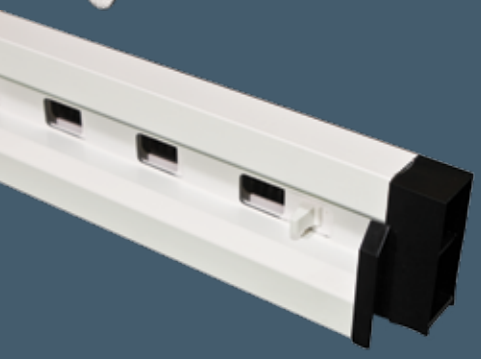
airvent

Thermal Break

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



Internal Face



Internal Face

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

Glass Thickness	Option	Equivalent Area/Metre	Length for 2500 EA	Length for 5000 EA	Geometric Open Area/Metre
28mm	Thermal Break (Fully Controllable)	5670	441mm	882mm	6414
28mm	Thermal Break (Fully Controllable & Upward Deflector)	5225	478mm	957mm	6414

Bespoke sizes available

Air Permeability

50 Pa	0 l/s (Closed Position)

Tested to BS EN 13141-1

Water Tightness

Pressure @ No Leakage	600 Pa

Tested to BS EN 13141-1

Acoustics

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

Position	Acoustic Detail
FULLY OPEN (Normal Operation Mode)	Up to 30 db Dnt Rw Up to 30 db Dne W
CLOSED	Up to 42.5 db Dnt Rw Up to 42 db Dne W

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