

**BROOKVENT**


# airvent

## DG Standard



A durable, robust, and cost effective Glazed In Vent suitable for a wide range of applications



Internal Face   








Internal Face 




### Features

- Insect grille
- Manufactured from extruded aluminium (vent body)
- Polyester powder coated
- 10 Year Guarantee
- uPVC Hood

### Options

-  Manual Control
-  Cord Control (Right or Left hand)
-  Bespoke Sizes
-  Bar Length
-  Upward Deflector
- FC** Fully Controllable Ventilation
-  Concealed Trickle Ventilation
-  Permanently Open 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 20, 24mm and 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.

## Airflow Guide

Glass Thickness	Option	Equivalent Area/Metre	Length for 2500 EA	Length for 5000 EA	Geometric Open Area/Metre
24mm	DG Standard (Fully Controllable)	5293	472mm	945mm	6387
24mm	DG Standard (Fully Controllable & Upward Deflector)	4841	516mm	1033mm	6387
24mm	DG Standard (Concealed Trickle)	5475	457mm	913mm	6769
24mm	DG Standard (Concealed Trickle & Upward Deflector)	5111	489mm	978mm	6769
28mm	DG Standard (Fully Controllable)	5338	468mm	937mm	6387
28mm	DG Standard (Fully Controllable & Upward Deflector)	4790	522mm	1044mm	6387
28mm	DG Standard (Concealed Trickle)	5385	464mm	929mm	6769
28mm	DG Standard (Concealed Trickle & Upward Deflector)	5141	486mm	973mm	6769

☰ Bespoke sizes available. 20mm Glass width performance data available on request.

## Air Permeability

50 Pa 1.52 l/s (Closed Position)

Tested to BS EN 13141-1

## Water Tightness

Pressure @ No Leakage 300 Pa

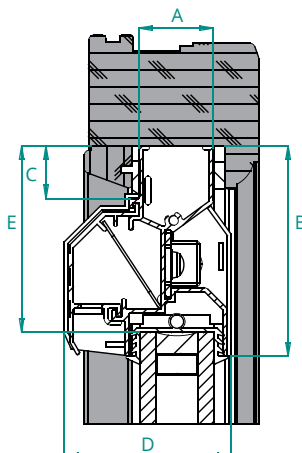
Tested to BS EN 13141-1

## Cross Section Dimensions

### DG Standard

	20	24	28
<b>A</b> (Glass Thickness)	20	24	28
<b>B</b> (Overall Height)	74	74	79
<b>C</b> (Rebate Depth)	15	15	20
<b>D</b> (Overall Width)	55	59	63
<b>E</b> (Glass Height Reduction)	65	65	70

Dimensions in mm



## Glass Height Reduction (Guide Only)

For 20 and 24mm (Glass Thickness) the normal glass height reduction is 65mm for a 15mm rebate, to give a 12mm maximum glazing depth. If the rebate exceeds 15mm then the glass height should be reduced in proportion (e.g. 22mm rebate = 72mm reduction).

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.

## Bar Length

Internal face 3.7m

## Acoustics

Under normal conditions the airvent DG Standard achieved the following Sound Reduction results:

Position	Acoustic Detail
<b>FULLY OPEN</b> (Normal Operation Mode)	Up to 30 db Dnt Rw Up to 30 db Dne W
<b>CLOSED</b> (Concealed Trickle)	Up to 37 db Dnt Rw Up to 36 db Dne W
<b>CLOSED</b>	Up to 40 db Dnt Rw Up to 40 db Dne W

Acoustic test data available upon request

