

BROOKVENTTM

DG/DGL WINDOW VENTILATION



airvent[≡]

OVER FRAME

ACOUSTIC VENTS

Non Acoustic

airvent OF STANDARD / OF EX 2

Acoustic

airvent OF ACO / OF ACO EX 3

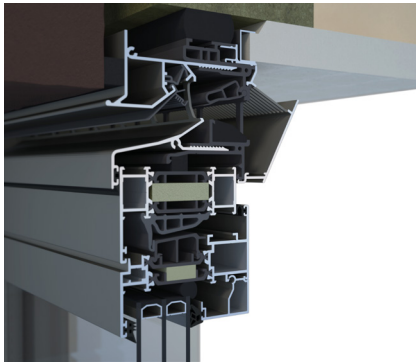
airvent OF ACO+ / OF ACO+ EX 4

airvent OF SUPER 5



airvent

OF STANDARD / OF EX
OVER FRAME VENT

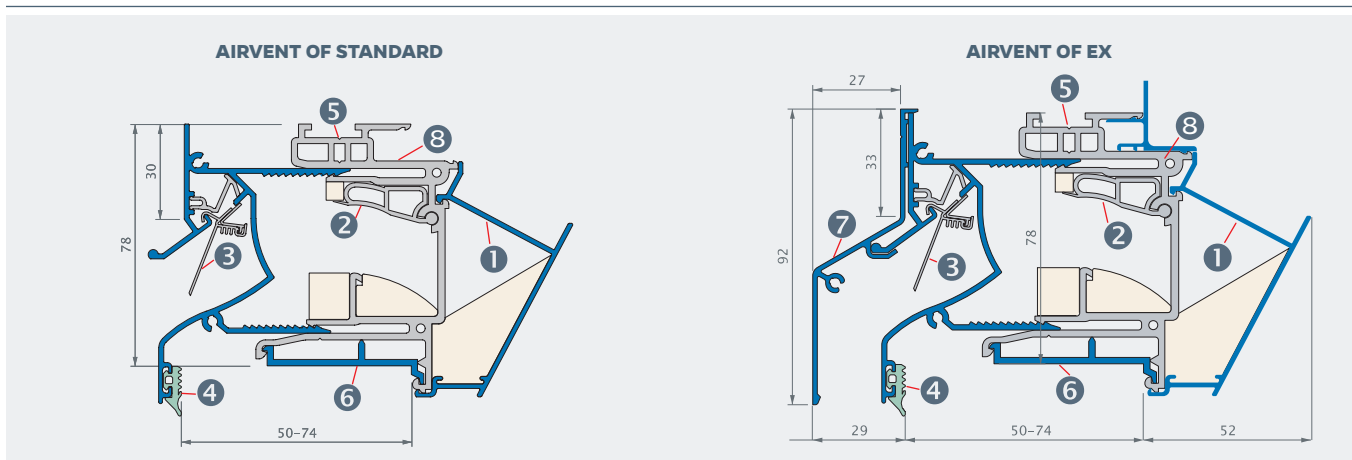


Airvent OF and OF EX are high performance over frame vents giving excellent airflow and a discrete appearance. When you want the neatest look these over frame units are a fabulous choice. If your building is in a particularly exposed location use the OF EX to give enhanced weatherability.

FEATURES:

- ✓ Thermally broken
- ✓ Self-regulating
- ✓ Frame depth from 50-194mm and beyond
- ✓ Water-tight up to 1200 Pa
- ✓ Suitable for use on all types of window construction: aluminium, timber & plastic
- ✓ Inside insect grille easily removed for cleaning
- ✓ Natural upward deflection
- ✓ Available in single and dual colour
- ✓ Manufactured from extruded aluminium

CROSS SECTION:



DETAILS:

- | | | |
|---|--|---|
| 1 Natural upward flow of air via removable insect grille | 3 Self-regulating valve to ensure a uniform flow of air even in high winds | 6 Fixing plate supplied for all windows types and sizes |
| 2 Adjustable air inlet allowing for 5 different airflow positions | 4 Gasket for continuous sealing on the window frame | 7 Rain hood for excellent weatherability |
| | 5 Euronot groove 14/18 | 8 Thermally broken low U value |

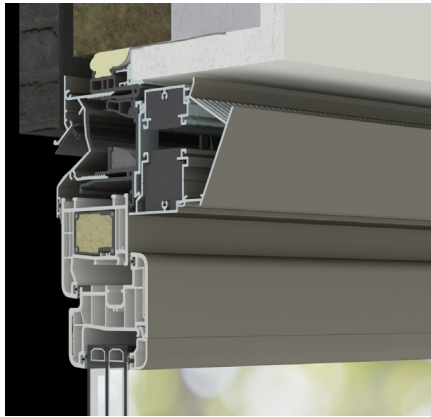
AIRVENT OF	STANDARD	EX
Equivalent Area ⁽¹⁾	14125 mm ² /m	
Air flow Q at 1 Pa	11.1 l/s/m	
Air flow q1 at 2 Pa	15.83 l/s/m	
Air flow q1 at 10 Pa	23.05 l/s/m	
Control options	Lever or Rod (up to 2m)	
Self regulation	Yes	
U-value	1.8 W/m ² K	
Acoustic insulation Dn,e,w (C, Ctr)		
— In open position	36 (-1;-3) dB	
— In closed position	42 (-1;-4) dB	
Water tightness (in closed position)	650 Pa	1200 Pa
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%	
Surface area	0.078 m ² /m	
Build in height	78 mm	
Window frame depths (adjustable), larger on demand	50-74, 74-98, 98-122, 122-146, 146-170, 170-194 mm	
Maximum dimension under guarantee	2500 mm	
End cap dimension	106 mm	



Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

airvent

OF ACO / OF ACO EX
OVER FRAME ACOUSTIC VENT

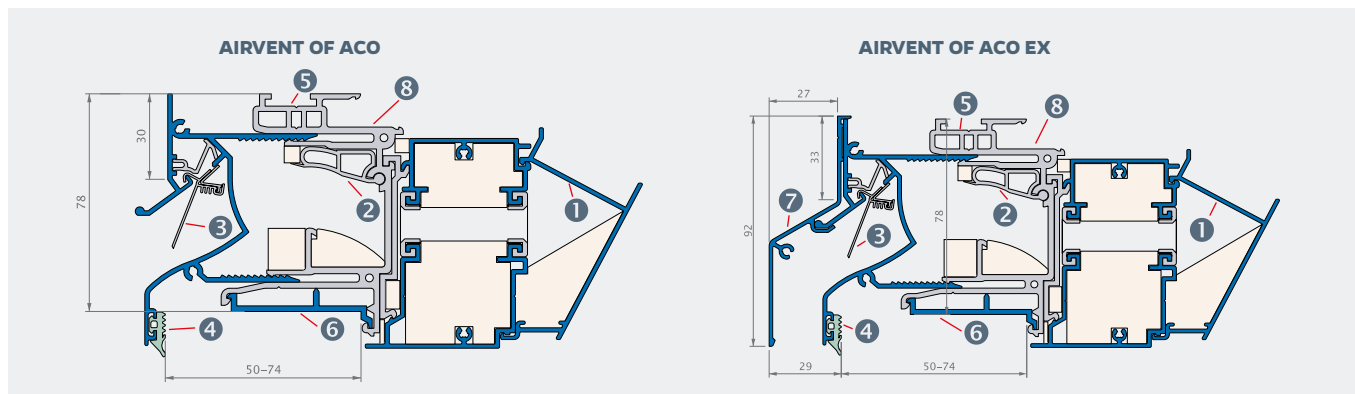


Airvent OF ACO provides excellent noise reduction together with a discrete appearance and controllable airflow. When you want a neat solution to noise control this is a great choice. If your building is in particularly exposed location use the airvent OF ACO EX to give enhanced weatherability.

FEATURES:

- ✓ Thermally broken
- ✓ Self-regulating
- ✓ Frame depth from 50-194mm and beyond
- ✓ Up to 41 dB acoustic reduction in the open position
- ✓ Water-tight up to 1200 Pa
- ✓ Suitable for use on all types of window construction: aluminium, timber & plastic
- ✓ Inside insect grille easily removed for cleaning
- ✓ Natural upward deflection
- ✓ Available in single and dual colour
- ✓ Manufactured from extruded aluminium

CROSS SECTION:



DETAILS:

- | | | |
|--|---|---|
| <p>1 Natural upward flow of air via removable insect grille</p> <p>2 Adjustable air inlet allowing for 5 different airflow positions</p> <p>3 Self-regulating valve to ensure a uniform flow of air even in high winds</p> | <p>4 Gasket for continuous sealing on the window frame</p> <p>5 Euronut groove 14/18</p> <p>6 Fixing plate supplied for all windows types and sizes</p> | <p>7 Rain hood for excellent weatherability</p> <p>8 Thermally broken low U value</p> |
|--|---|---|

AIRVENT OF	ACO	ACO EX
Equivalent Area ⁽¹⁾	12725 mm ² /m	
Air flow Q at 1 Pa	10.0 l/s/m	
Air flow q1 at 2 Pa	14.17 l/s/m	
Air flow q1 at 10 Pa	20.0 l/s/m	
Control options	Lever or Rod (up to 2m)	
Self regulation	Yes	
U-value	2.1 W/m ² K	
Acoustic insulation Dn,e,w (C, Ctr)		
— In open position	41 (-1;-3) dB	
— In closed position	47 (-2;-4) dB	
Water tightness (in closed position)	650 Pa	1200 Pa
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%	
Surface area	0.078 m ² /m	
Build in height	78 mm	
Window frame depths (adjustable), larger on demand	50-74, 74-98, 98-122, 122-146, 146-170, 170-194 mm	
Maximum dimension under guarantee	2500 mm	
End cap dimension	106 mm	

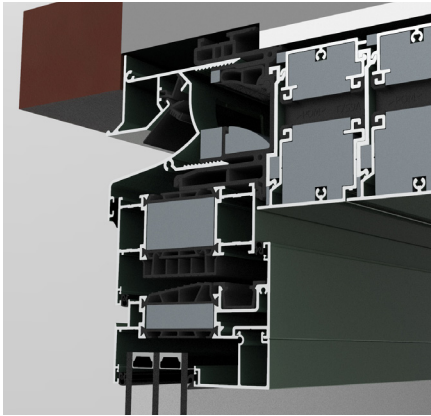
(1) Value for non self regulating version, according to EN 13141-1



Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

airvent

OF ACO+ / OF ACO+ EX
OVER FRAME ACOUSTIC VENT

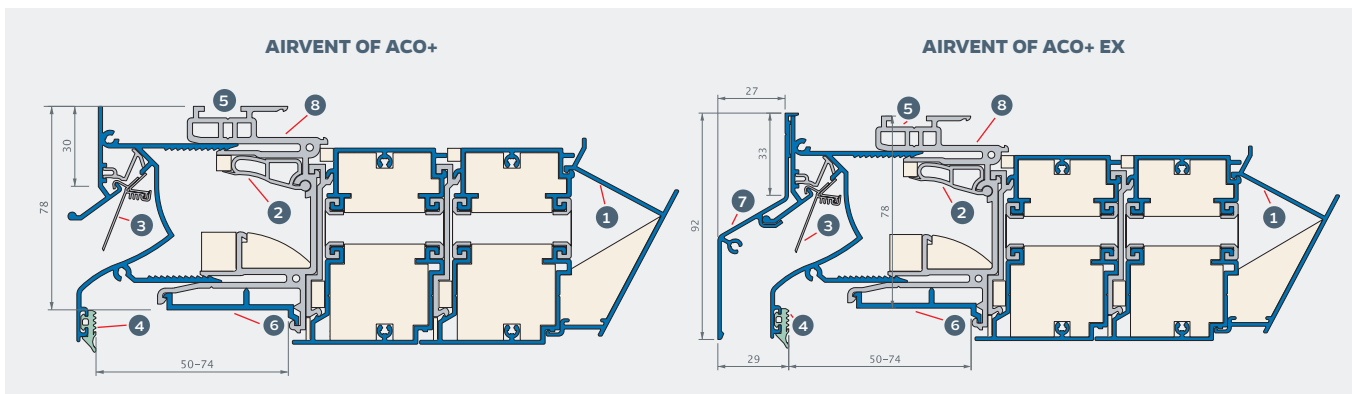


Airvent OF ACO+ provides excellent noise reduction together with a discrete appearance and controllable airflow. When you want a neat solution to noise control this is a great choice. If your building is in particularly exposed location use the airvent OF ACO EX to give enhanced weatherability.

FEATURES:

- ✓ Thermally broken
- ✓ Self-regulating
- ✓ Frame depth from 50-194 mm and beyond
- ✓ Up to 46 dB acoustic reduction in the open position
- ✓ Water-tight up to 1200 Pa
- ✓ Suitable for use on all types of window construction: aluminium, timber & plastic
- ✓ Inside insect grille easily removed for cleaning
- ✓ Natural upward deflection
- ✓ Available in single and dual colour
- ✓ Manufactured from extruded aluminium

CROSS SECTION:



DETAILS:

- | | | |
|---|--|---|
| 1 Natural upward flow of air via removable insect grille | 3 Self-regulating valve to ensure a uniform flow of air even in high winds | 6 Fixing plate supplied for all windows types and sizes |
| 2 Adjustable air inlet allowing for 5 different airflow positions | 4 Gasket for continuous sealing on the window frame | 7 Rain hood for excellent weatherability |
| | 5 Euronut groove 14/18 | 8 Thermally broken low U value |

AIRVENT OF	ACO+	ACO+ EX
Equivalent Area ⁽¹⁾	9875 mm ² /m	
Air flow Q at 1 Pa	7.9 dm ³ /s/m	
Air flow q1 at 2 Pa	11.11 l/s/m	
Air flow q1 at 10 Pa	16.94 l/s/m	
Control options	Lever or Rod (up to 2m)	
Self regulation	Yes	
U-value	2.2 W/m ² K	
Acoustic insulation Dn,e,w (C, Ctr)		
— In open position	46 (-1;-4) dB	
— In closed position	52 (-1;-5) dB	
Water tightness (in closed position)	650 Pa	1200 Pa
Trickle Ventilation (airflow in the closed position at 50pa)	<15%	
Surface area	0.078 m ² /m	
Build in height	78 mm	
Window frame depths (adjustable), larger on demand	50-74, 74-98, 98-122, 122-146, 146-170, 170-194 mm	
Maximum dimension under guarantee	2500 mm	
End cap dimension	106 mm	

(1) Value for non self regulating version, according to EN 13141-1

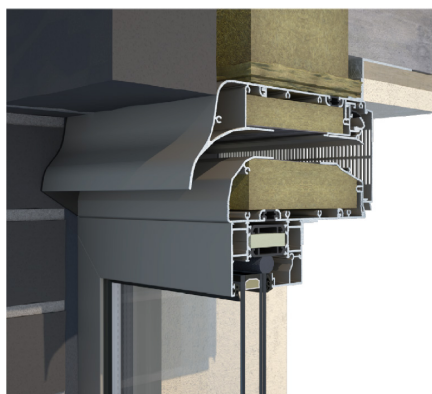


Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

airvent

OF SUPER

OVER FRAME ACOUSTIC VENT

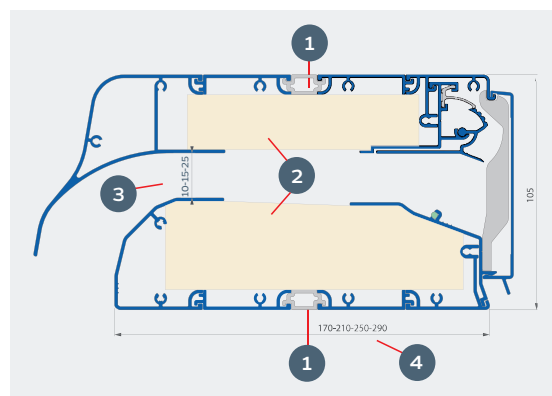


Airvent OF SUPER is the neatest solution to high acoustic requirement. Incorporating these vents to the top of the window provides discrete noise control and excellent airflow options.

FEATURES:

- ✓ Glazed in or transom mounting
- ✓ Exceptional acoustic performance up to 55dB Dn, e, w in open position
- ✓ Various airflow options with full control
- ✓ Caters for all glass thicknesses

CROSS SECTION:



Equivalent Area⁽¹⁾ [mm²/m]

OF SUPER 170-10	17433
OF SUPER 170-15	28759
OF SUPER 170-25	38939
OF SUPER 210-10	17561
OF SUPER 210-15	26723
OF SUPER 210-25	36903
OF SUPER 250-10	16034
OF SUPER 250-15	25196
OF SUPER 250-25	36139
OF SUPER 290-10	15270
OF SUPER 290-15	25323
OF SUPER 290-25	34103

DETAILS:

- 1 Thermal break, position can be varied to suit situation
- 2 Acoustic material absorbs noise
- 3 3 different air inlet sizes available
- 4 Available in 4 types tailored to maximum installation depths of 170, 210, 250, and 290 mm

AIRVENT OF SUPER	170	210	250	290
Air flow air inlet 10 mm				
Q at 1 Pa,	13.7 l/s/m	13.8 l/s/m	12.6 l/s/m	12.0 l/s/m
q1 at 2 Pa	20.56 l/s/m	20.83 l/s/m	20.56 l/s/m	18.61 l/s/m
q1 at 10 Pa	74 l/s/m	75 l/s/m	74 l/s/m	67 l/s/m
Air flow air inlet 15 mm				
Q at 1 Pa	22.6 l/s/m	21.0 l/s/m	19.8 l/s/m	19.9 l/s/m
q1 at 2 Pa	33.05 l/s/m	32.5 l/s/m	31.11 l/s/m	30.55 l/s/m
q1 at 10 Pa	119 l/s/m	117 l/s/m	115 l/s/m	110 l/s/m
Air flow air inlet 25 mm				
Q at 1 Pa	30.6 l/s/m	29.0 l/s/m	28.4 l/s/m	26.8 l/s/m
q1 at 2 Pa	45.28 l/s/m	44.17 l/s/m	44.17 l/s/m	43.05 l/s/m
q1 at 10 Pa	163 l/s/m	159 l/s/m	159 l/s/m	155 l/s/m
Control options	Lever or Rod (up to 2m)			
Self-regulation	No			
U-value	4.5 W/m ² K	4.6 W/m ² K	4.6 W/m ² K	4.7 W/m ² K
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 10 mm	Open 42 (-1;-3) dB Closed 51 (-1;-4) dB	Open 46 (-1;-4) dB Closed 51 (-1;-4) dB	Open 51 (-1;-6) dB Closed 55 (-2;-6) dB	Open 55 (-1;-5) dB Closed 59 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 15 mm	Open 40 (-1;-3) dB Closed 53 (-1;-4) dB	Open 43 (-1;-3) dB Closed 55 (-1;-4) dB	Open 46 (-2;-5) dB Closed 55 (-1;-5) dB	Open 48 (-1;-5) dB Closed 56 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 25 mm	Open 35 (0;-2) dB Closed 45 (-1;-3) dB	Open 38 (-1;-2) dB Closed 55 (-1;-4) dB	Open 41 (-1;-4) dB Closed 50 (-1;-4) dB	Open 43 (-1;-5) dB Closed 53 (-1;-4) dB
Water tightness (in closed position)	900 Pa			
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%			
Installation height	105 mm			
Maximum dimensions under warranty	2500 mm frame (transom) installation / 2000 mm on glass			
End cap dimension	6 mm			

(1) Value for non self regulating version, according to EN 13141-1



Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

GLAZED IN

ACOUSTIC VENTS

Non Acoustic

airvent DG 80 / DG 80 EX / DGL 80 / DGL 80 EX 7

airvent DG 75 / DG 75 EX 8

airvent DG 65 / DG 65 EX 9

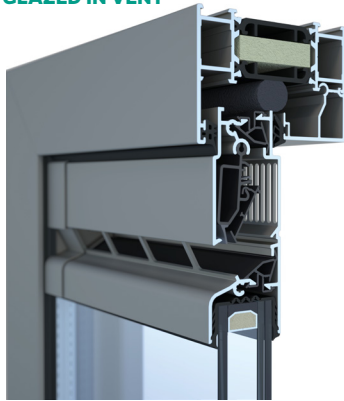
Acoustic

airvent DGL SUPER 10



airvent

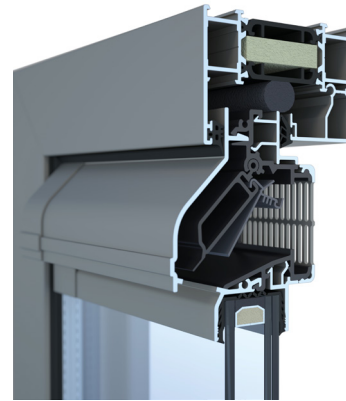
**DG 80 / DG 80 EX /
DGL 80 / DGL 80 EX**
GLAZED IN VENT



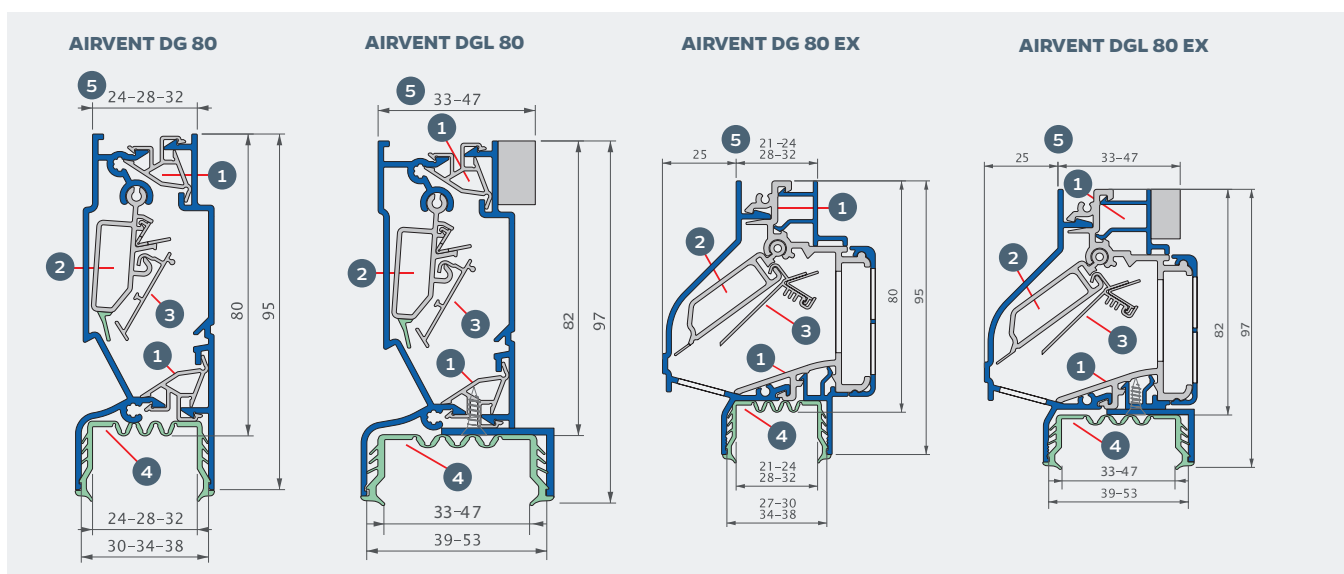
Airvent DG 80 / DGL 80 is an 80mm glazed in vent with flat or hooded options. When you need a glazed in vent that can offer great performance and can cope with glazing thicknesses up to 47mm this is your choice.

FEATURES:

- ✓ Over 15.000 mm² per metre airflow
- ✓ Self-regulation flap to avoid draughts
- ✓ Thermally broken
- ✓ Suitable for thick glazing options
- ✓ Lever control
- ✓ Hooded or flat options



CROSS SECTION:



DETAILS:

- 1 Thermal break
- 2 Internal closing valve, adjustable in 5 positions
- 3 Self-regulating valve to ensure a uniform air supply
- 4 Customised glazing gasket
- 5 Available in different glass thicknesses

AIRVENT DG/DGL	80	80 EX
Equivalent Area ⁽¹⁾	15016 mm ² /m	15270 mm ² /m
Air flow Q at 1 Pa	11.8 l/s/m	12.0 l/s/m
Air flow q1 at 2 Pa	16.94 l/s/m	14.72 l/s/m
Air flow q1 at 10 Pa	21.39 l/s/m	18.61 l/s/m
Control options	Lever or Rod (up to 2m)	
Self-regulation	Yes	
U-value	3.8 W/m ² K	4.02 W/m ² K
Acoustic insulation Dn, e, w (C, Ctr)		
— In open condition	27 (0;-1) dB	26 (0;-1) dB
— In closed position	38 (-1;-1) dB	40 (-1;-1) dB
Water tightness (in closed position)	700 Pa	750 Pa
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%	
Surface area	0.080 m ² /m	
Glass reduction	80 mm	
Installation height	95 mm	94 mm
Suitable for glass thicknesses	24/28/32/33-47 mm (with dry glazing gasket or silicone seal)	21/24/28/32/33-47 mm (with dry glazing gasket or silicone seal)
Maximum dimensions under warranty*	2500 mm	
End cap dimension	80 mm	90 mm

(1) Value for non self regulating version, according to EN 13141-1

* Not valid for larger glass thicknesses.

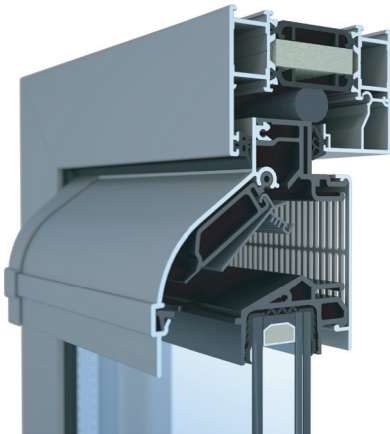


Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

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DG 75 / DG 75 EX

GLAZED IN VENT



Airvent DG 75 is a thermally broken glazed in vent with sleek lines and different airflow options. When you need a glazed in vent the DG75 can cope with most situations, with options for very high airflow and excellent weatherability. Ideal for glazing thickness up to **32mm**.

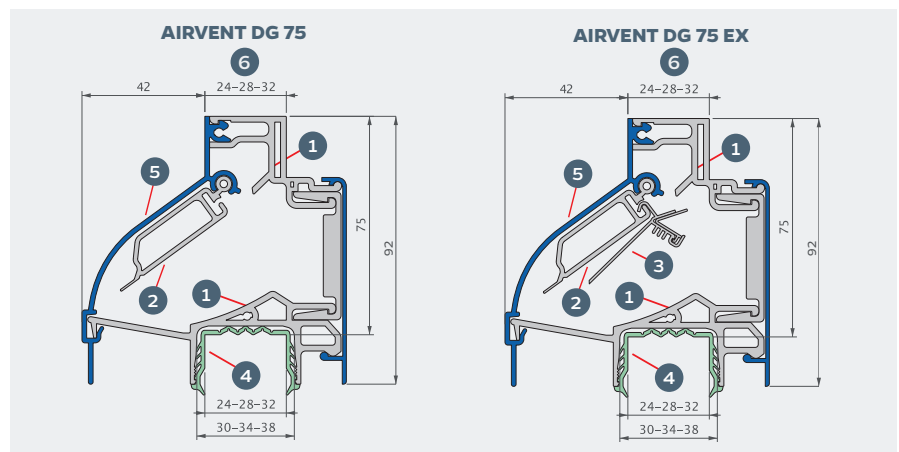
FEATURES:

- ✓ 5 airflow options available by offering differing grille perforations
- ✓ Inner insect grille removable for cleaning
- ✓ High airflow options available: up to 24.432 mm² EA per m
- ✓ Thermally broken
- ✓ Self regulating airflow
- ✓ Insect grille
- ✓ Rod control option
- ✓ Manufactured from extruded aluminium
- ✓ 2 Year Guarantee

DETAILS:

- 1 Thermal break
- 2 Internal operation, 5 position lever control
- 3 Self-regulating valve to ensure a uniform air supply
- 4 Customised glazing gasket
- 5 Rain protection
- 6 Available in different glass thicknesses

CROSS SECTION:



AIRVENT DG	75 12	75 18	75 24	75 16 EX	75 21 EX
Equivalent Area ⁽¹⁾	12089 mm ² /m	18451 mm ² /m	24432 mm ² /m	16415 mm ² /m	21760 mm ² /m
Air flow Q at 1 Pa	9.5 l/s/m	14.5 l/s/m	19.2 l/s/m	12.9 l/s/m	17.1 l/s/m
Air flow q1 at 2 Pa	13.89 l/s/m	21.11 l/s/m	29.17 l/s/m	19.44 l/s/m	26.67 l/s/m
Air flow q1 at 10 Pa	31.94 l/s/m	48.05 l/s/m	66.11 l/s/m	16.39 l/s/m	27.22 l/s/m
Control options	Lever or Rod (up to 2m)				
Self-regulation	No	No	No	Yes	Yes
U -value	2.68 W/m ² K				
Acoustic insulation Dn, e, w (C, Ctr)					
— In open condition	26 (0;-1) dB				
— In closed condition	36 (-1;-3) dB				
Water tightness (in closed position)	750 Pa				
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%				
Surface area	0.075 m ² /m				
Glass reduction	75 mm				
Installation height	92 mm				
Suitable for glass thicknesses	24 - 28 - 32 mm (with dry glazing gasket) / 36 mm (with silicone seal)				
Maximum dimensions under warranty	2500 mm				
End cap dimension	85 mm				

(1) Value for non self regulating version, according to EN 13141-1



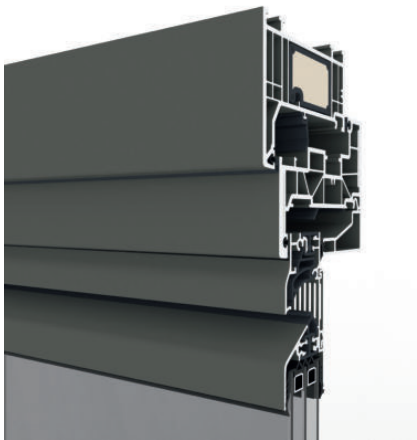
Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

airvent

DG 65/ DG 65 EX

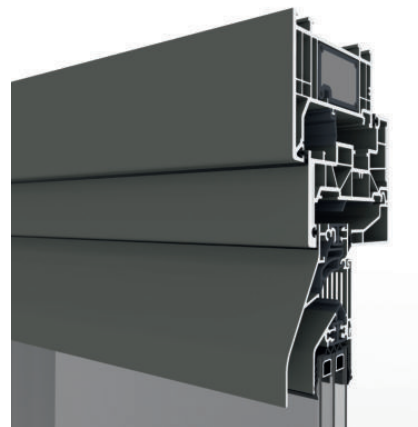
GLAZED IN VENT

Airvent DG 65 is a thermally broken glazed in vent with neat and tidy lines and excellent airflow. The 65mm size offers less visual impact and is a great choice for glazing units between 24 mm and 28 mm. The EX version gives enhanced weatherability at 750 Pa, superb for exposed conditions. Both options have an integrated insect screen.



FEATURES:

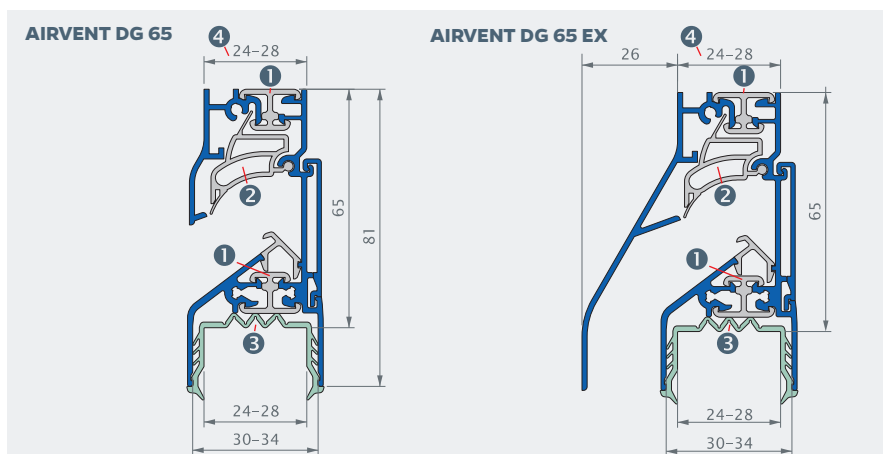
- ✓ Excellent thermal break
- ✓ Multi position flap for airflow control
- ✓ Insect screen removable for cleaning
- ✓ Rod control option
- ✓ Manufactured from extruded aluminium



DETAILS:

- 1 Thermal break
- 2 Internal closing valve, adjustable in 5 positions
- 3 Customized glazing rubber on the glass to guarantee connection
- 4 Available in different glass thicknesses

CROSS SECTION:



AIRVENT DG	65	65 EX
Equivalent Area ⁽¹⁾	10307 mm ² /m	14888 mm ² /m
Air flow Q at 1 Pa	8.1 l/s/m	11.7 l/s/m
Air flow q1 at 2 Pa	13.89 l/s/m	18.06 l/s/m
Air flow q1 at 10 Pa	31.94 l/s/m	40.83 l/s/m
Control options	5 different positions	
Self-regulation	No	
U -value	3.64 W/m ² K	3.67 W/m ² K
Acoustic insulation Dn, e, w (C, Ctr)		
— In open condition	27 (0;-1) dB	
— In closed condition	35 (0;-2) dB	
Water tightness (in closed position)	250 Pa	750 Pa
Leak flow in closed position at 50 Pa	<15%	
Insect repellent	complies	
Surface area	0.065 m ² /m	
Glass reduction	65 mm	
Installation height	81 mm	
Suitable for glass thicknesses	24 - 28 mm (with dry glazing rubber) / 32 mm (with silicone seal)	
Maximum dimensions under warranty	2500 mm	
End cap dimension 85 mm	85 mm	

(1) Value for non self regulating version, according to EN 13141-1

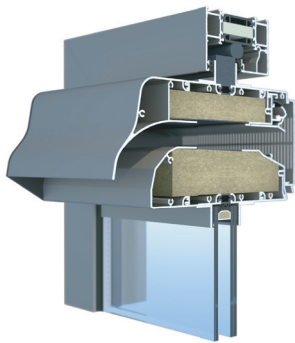


Custom RAL, dual colour (internal/external) and stock colours available. See pricelist for more details.

airvent

DGL SUPER

GLAZED IN ACOUSTIC VENT



DETAILS:

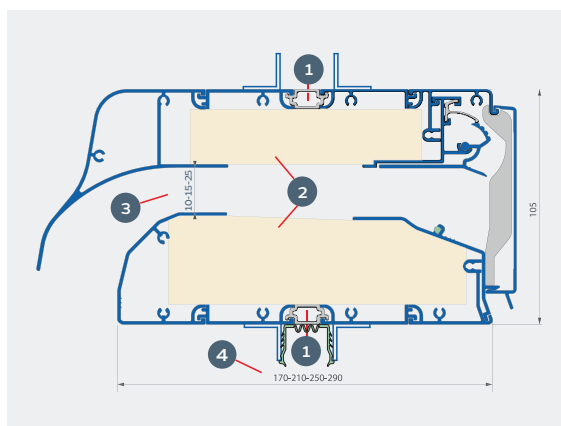
- 1 Thermal break, position can be varied to suit situation
- 2 Acoustic material absorbs noise
- 3 3 different air inlet sizes available
- 4 Available in 4 types tailored to maximum installation depths of 170, 210, 250, and 290 mm

Airvent DGL SUPER is the ultimate glazed in or transom mounted acoustic solution. It can offer acoustic performance up to 55dB sound reduction and offers an excellent range of airflow options.

FEATURES:

- ✓ Glazed in or transom mounting
- ✓ Exceptional acoustic performance up to 55dB Dn, e, w in open position
- ✓ Various airflow options with full control
- ✓ Caters for all glass thicknesses

CROSS SECTION:



Equivalent Area⁽¹⁾ [mm²/m]

DGL SUPER 170-10	17433
DGL SUPER 170-15	28759
DGL SUPER 170-25	38939
DGL SUPER 210-10	17561
DGL SUPER 210-15	26723
DGL SUPER 210-25	36903
DGL SUPER 250-10	16034
DGL SUPER 250-15	25196
DGL SUPER 250-25	36139
DGL SUPER 290-10	15270
DGL SUPER 290-15	25323
DGL SUPER 290-25	34103

AIRVENT DGL SUPER	170	210	250	290
Air flow air inlet 10 mm				
Q at 1 Pa	13.7 l/s/m	13.8 l/s/m	12.6 l/s/m	12.0 l/s/m
q1 at 2 Pa	20.56 l/s/m	20.83 l/s/m	20.56 l/s/m	18.61 l/s/m
q1 at 10 Pa	74 l/s/m	75 l/s/m	74 l/s/m	67 l/s/m
Air flow air inlet 15 mm				
Q at 1 Pa	22.6 l/s/m	21.0 l/s/m	19.8 l/s/m	19.9 l/s/m
q1 at 2 Pa	33.05 l/s/m	32.5 l/s/m	31.11 l/s/m	30.55 l/s/m
q1 at 10 Pa	119 l/s/m	117 l/s/m	115 l/s/m	110 l/s/m
Air flow air inlet 25 mm				
Q at 1 Pa	30.6 l/s/m	29.0 l/s/m	28.4 l/s/m	26.8 l/s/m
q1 at 2 Pa	45.28 l/s/m	44.17 l/s/m	44.17 l/s/m	43.05 l/s/m
q1 at 10 Pa	163 l/s/m	159 l/s/m	159 l/s/m	155 l/s/m
Control options	Lever or Rod (up to 2m)			
Self-regulation	No			
U-value	4.5 W/m ² K	4.6 W/m ² K	4.6 W/m ² K	4.7 W/m ² K
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 10 mm	Open 42 (-1;-3) dB Closed 51 (-1;-4) dB	Open 46 (-1;-4) dB Closed 51 (-1;-4) dB	Open 51 (-1;-6) dB Closed 55 (-2;-6) dB	Open 55 (-1;-5) dB Closed 59 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 15 mm	Open 40 (-1;-3) dB Closed 53 (-1;-4) dB	Open 43 (-1;-3) dB Closed 55 (-1;-4) dB	Open 46 (-2;-5) dB Closed 55 (-1;-5) dB	Open 48 (-1;-5) dB Closed 56 (-2;-6) dB
Acoustic insulation Dn, e, w (C, Ctr) , Air inlet 25 mm	Open 35 (0;-2) dB Closed 45 (-1;-3) dB	Open 38 (-1;-2) dB Closed 55 (-1;-4) dB	Open 41 (-1;-4) dB Closed 50 (-1;-4) dB	Open 43 (-1;-5) dB Closed 53 (-1;-4) dB
Water tightness (in closed position)	900 Pa			
Trickle ventilation (airflow in the closed position at 50 Pa)	<15%			
Glass reduction	133 mm			
Maximum dimensions under warranty	2500mm transom installation / 2000mm glazed in			
End cap dimension	6 mm			

(1) Value for non self regulating version, according to EN 13141-1



Custom RAL, dual colour (internal/external)
and stock colours available. See pricelist for more details.

