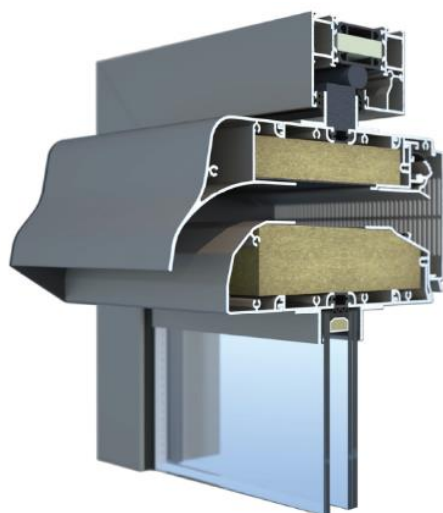
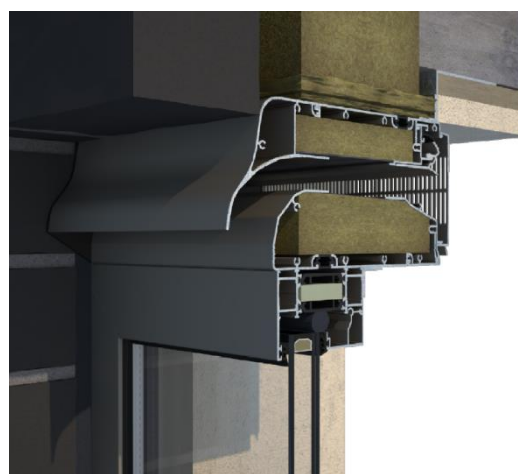


BROOKVENT airvent

DGL SUPER
OF SUPER



DGL SUPER (on glass)



OF SUPER (on frame)

Installation, maintenance & user manual

Applicable to the following airvent SUPER models:

airvent DGL SUPER
airvent OF SUPER

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1. Installation of acoustic window vent airvent DGL SUPER on glass

1. The airvent DGL SUPER window vent is fitted with 2 aluminium L-shaped profiles (normally 25 x 25 mm) on the top, the base and on the sides. The gap between the profiles forms a channel which matches the given glass thickness. At the top and sides, the channel will slot into the window glazing pocket. On the bottom of the vent the channel is sized to fit the width of the glazing unit and gasket. The L-profiles are bonded to the airvent DGL SUPER vent.

See the "cross section" for positioning of L-profiles.

- ✓ Total length of the vent (including end caps) + 2x dimension of channel (e.g. 25 mm) = total width of the glazing unit.
- ✓ Apart from unusual circumstances, the complete unit will match the width of the glass.

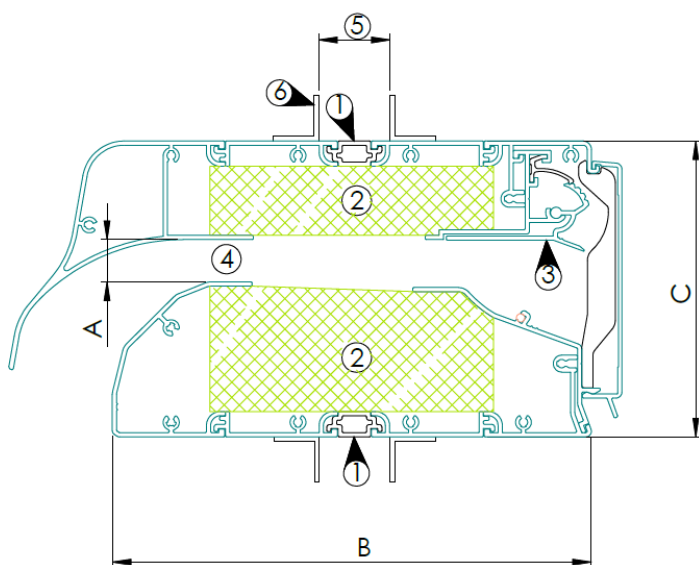
- ✓ **Important:**

The thermal breaks of the airvent DGL SUPER are always placed in between the 2 L-profiles. The position of the thermal breaks may be changed, but generally cannot be placed at the ends due to the required stability of the glass. The positioning of the thermal breaks needs to be decided prior to manufacture! The thermal breaks will match position top and bottom in this case.

- ✓ The height of the airvent DGL SUPER is always 105 mm, independently of the air inlet size of 10, 15, 20 or 25 mm. The overall glass reduction will depend on which L-profile is used.
 - ✓ Glass reduction = 105 mm + dimension of the L-profile (e.g. 25 mm) + thickness glazing rubber (e.g. 3 mm). Generally, glass reduction quoted as 135 mm.
2. The bottom glazing receptor channel will be calculated to be wider than the glass thickness to give the correct space for the glazing gasket. The correct gasket is dependent on glazing thickness. If you believe you require a different dimension, please contact Brookvent and we will usually be able to provide what is needed. The glazing gasket will be supplied the same length as the vent, excluding endcaps. The joint between the endcaps and the glazing unit is sealed by expanding tape which is fitted at the factory before dispatch.

3. Cut the glazing gasket to match the visible glass width. Put the gasket centrally onto the glass.
4. Place the airvent DGL SUPER centrally on the glass and gasket. The glazing unit and gasket is captured by the glass receptor channel formed by the L-profiles on the base of the vent.
5. Ensure the vent is placed centrally on the glass with levers on the inside. Make sure that the gasket fits properly everywhere and is also centred. Press the vent onto the glazing rubber and glass evenly. The area beyond the gasket between glass and vent will be sealed by the expanding tape.
6. Once the vent is mounted on the glass, the assembly can be put into the window frame. First put the glass into the frame on the bottom using the appropriate glazing blocks and offer the glass and vent into the window. Make sure that the vent is not loose and cannot be moved.
7. Now the glazing beads (+ seals) can be pushed into place.
8. Check operation by moving levers.

2. Cross section



- 1 Thermal break
- 2 Acoustic insulation
- 3 Adjustable closing flap
- 4 Air inlet
- 5 Glass thickness for over glass option (Airvent DGL Super only)
- 6 L-profiles for over glass option (Airvent DGL Super only)

Model	Dimensions [mm]		
	A	B	C
airvent DGL/OF SUPER 170-10	10	170	105
airvent DGL/OF SUPER 170-15	15	170	
airvent DGL/OF SUPER 170-20	20	170	
airvent DGL/OF SUPER 170-25	25	170	
airvent DGL/OF SUPER 210-10	102	210	
airvent DGL/OF SUPER 210-15	15	210	
airvent DGL/OF SUPER 210-20	20	210	
airvent DGL/OF SUPER 210-25	25	210	
airvent DGL/OF SUPER 250-10	10	250	
airvent DGL/OF SUPER 250-15	15	250	
airvent DGL/OF SUPER 250-20	20	250	
airvent DGL/OF SUPER 250-25	25	250	
airvent DGL/OF SUPER 290-10	10	290	
airvent DGL/OF SUPER 290-15	15	290	
airvent DGL/OF SUPER 290-20	20	290	
airvent DGL/OF SUPER 290-25	25	290	

3. Installation of acoustic window vent airvent DGL SUPER on transom

This is similar to the installation on glass, with the difference being that top and bottom channels are equal in size.

A deeper channel with longer L-profile may be required to accommodate some glazing bead styles.

1. The vent can be offered into the window and glazing blocks placed to provide perfect positioning.
2. Now the glazing beads (+ seals) can be pushed into place.
3. Check operation by moving levers.

4. Installation of acoustic window vent airvent OF SUPER on top of window frame

1. The airvent DOF SUPER vent is fixed to the window frame with either an aluminum L-shaped profile at the bottom of the vent, or by direct fixing through the unit to the frame.

The vent must be the same size as the width of the window frame.

The area between the bottom of the vent and the top of the window must be suitably sealed with silicon or expanding tape to prevent water ingress and capillary action. The seal will be put in place before the vent is fixed to the window.

2. The vent will be fitted before the window is installed:
 - ✓ Offer the vent to the window to ensure the sizing is correct and the thermal break sits in the correct position.
 - ✓ Check that the fixing method will present at suitable places to gain a strong fix.
 - ✓ Take vent from window and prepare for fixing.
 - ✓ Apply sealant or expanding tape in at least two continuous strips. This can be to the vent or window.
 - ✓ This will form a seal between window frame and vent.
 - ✓ Bring vent to window and place into position.

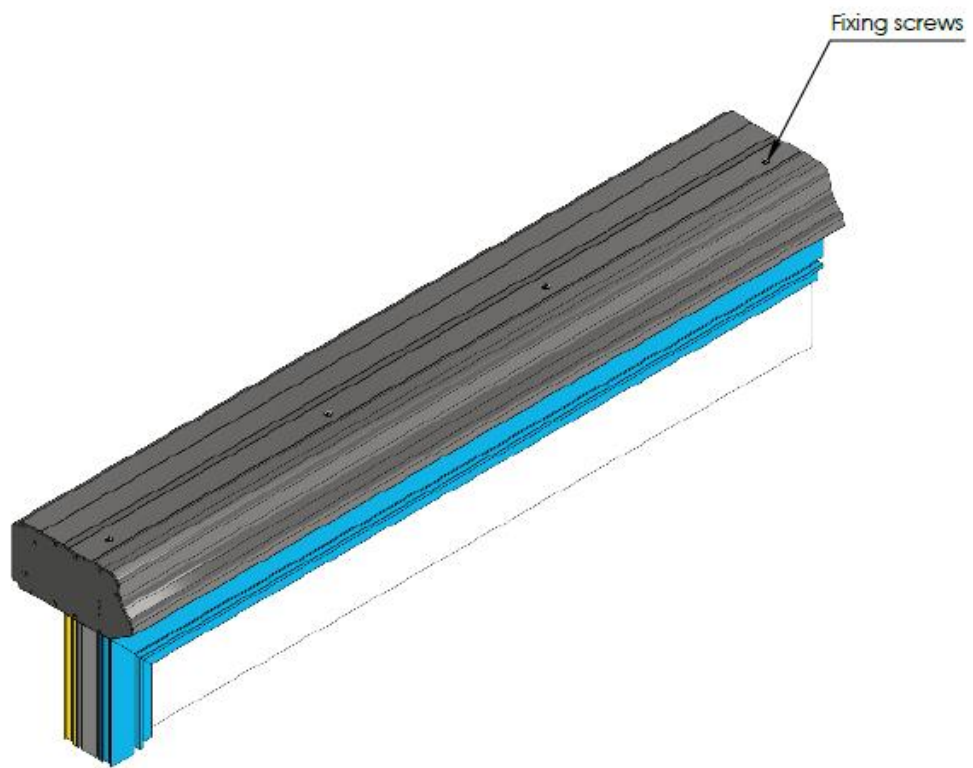
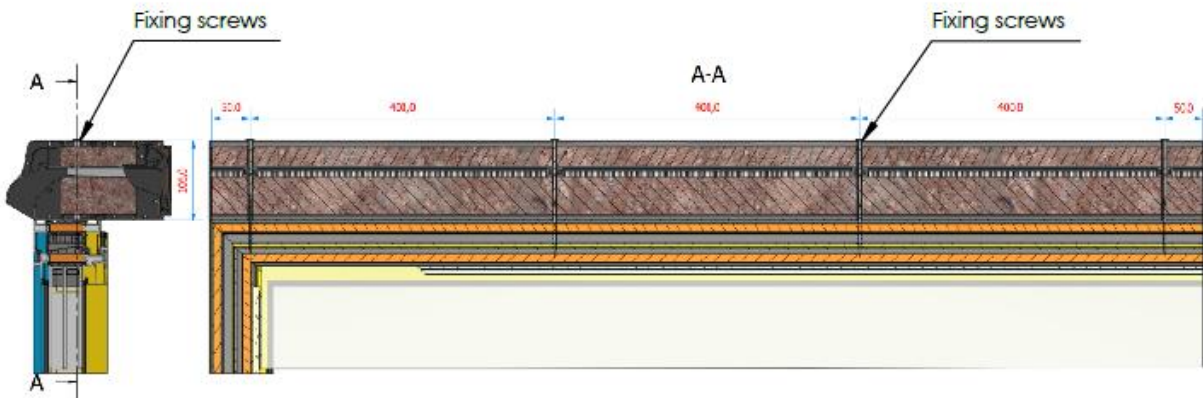
- ✓ Ensuring the vent is correctly positioned, screw fixings until the unit is secure (see drawings on the next page
 - ✓ showing recommended screws placement and spacing).
 - ✓ Check operation by moving the levers.
3. The top of the airvent OF SUPER vent is now effectively the top of the window. This can be fixed with a suitable anchor screwed to the airvent OF SUPER vent. Be careful to use fixings suitable for the receiving structure. Make sure they are NOT fixed on the thermal breaks of the airvent OF SUPER or obstruct moving parts. The number of fixings will match those prescribed by the window manufacturer. If you are in any doubt to where fixings onto the vent can or cannot be made, contact Brookvent for advice.
 4. Total length of the trickle vent (end caps included) will be the same as the width of the window.

Important

The thermal breaks of the airvent OF SUPER vent should match the thermal break in the window frame below and the cavity insulation above. The position of the vent thermal breaks can be placed to suit, even if this requires asymmetrical positioning. The position of the thermal breaks needs to be decided prior to manufacture!

The height of the airvent OF SUPER vent is always 105 mm, independently of the air inlet dimension of 10, 15, 20 or 25 mm. Where the vent is placed in a concealed position there must be a clear airpath to the vent. The free area needs to be approximately 1.5 times the inlet dimension of the vent, e.g. airvent OF SUPER 210-15 needs a free air inlet of $15 \times 1.5 = 22.5$ mm.

Installation of acoustic window vent Airvent OF Super **over frame** using screws



5. Notes

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