AK80GL < Acoustic flap ventilators glazed-in/at transom

Compact non self-regulating acoustic window vent for glazed-in installation

The AK80GL is a thermally broken acoustic vent with a pleasing compact design. Four different types are developed, each with their specific air-flow and sound absorption. The AK80GL is available for installation on glass or at transom (using the additional transom profiles).

Glazed-in installation or at transom
The AK80 is available for glazed-in installation, and can also be placed at transom. This vent is applicable for aluminium, timber and PVC window frame types.

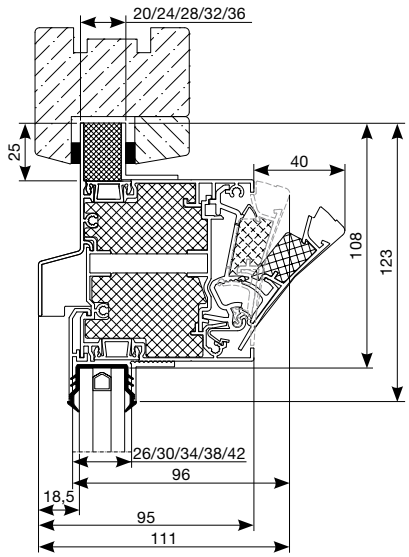
Thermally broken
No cold air transfer from outside to inside.

Coanda effect
The interior profile deflects the incoming air upwards, causing an optimal spread of fresh air in the room.

Sound absorbing
Various sound reduction levels (depending on the type), from 33 (-1;-2) dB up to 47 (0;-3) dB in open position.

Insect mesh

Section detail



Technical characteristics

	AK80GL/1	AK80GL/2	AK80GL/3	AK80GL/4
Airflow				
Equivalent area	1488 mm²/m	2163 mm²/m	2545 mm²/m	8780 mm²/m
Q at 1 Pa	1,2 l/s/m	1,7 l/s/m	2,0 l/s/m	6,9 l/s/m
Q at 1 Pa	4,2 m³/h/m	6,1 m³/h/m	7,2 m³/h/m	24,8 m³/h/m
Q at 2 Pa	1,6 l/s/m	2,5 l/s/m	2,9 l/s/m	9,7 l/s/m
Q at 10 Pa	3,6 l/s/m	5,8 l/s/m	7,1 l/s/m	21,1 l/s/m
Q at 20 Pa	5,0 l/s/m	8,4 l/s/m	10,4 l/s/m	29,6 l/s/m
Comfort				
Sound reduction $D_{n,e,w}$ ($C;C_{tr}$)				
- in open position	47 (0;-3) dB	44 (-1;-4) dB	41 (-1;-3) dB	33 (-1;-2) dB
- in closed position	51 (-1;-3) dB	n.b.	n.b.	n.b.
Technical characteristics				
Controllable internal flap	5 stepped positions			
Control options internal flap	Manual, cord, rod, motor			
U value	2,3 W/m²K			2,1 W/m²K
Air leakage at 50 Pa	<15% (in closed position)			
Watertightness in closed position, up to	650 Pa			
Watertightness in open position, up to	50 Pa			
Dimensions				
Glass reduction	108 mm			
Height	80 mm (box height) / 123 mm (total height with flanges)			
Glass thickness	20, 24, 28, 32 or 36 mm			
Max. length	2000 mm			