

Invisivent® EVO AKD (Max) < Acoustic overframe flap ventilators



The most discrete, self-regulating and superior sound absorbing overframe ventilator

The Invisivent® EVO AKD (Max) is a sound absorbing, self-regulating and thermally broken window ventilator that is installed on top of the window frame. This acoustic version of the Invisivent® EVO combines a healthy living comfort with a maximum visual comfort, without losing any acoustic comfort.

Compared to the Invisivent® EVO AK-series, this Invisivent® EVO AKD (Max) has a much better acoustic performance thanks to the extra outer profile. Two different types are available: the Invisivent® EVO AKD and the Invisivent® EVO AKD Max – the latter with an even better acoustic performance than the first.

For each specific window frame depth, a different PVC profile is used (and special extension profiles are used for some window frame depths) in order to make the Invisivent® EVO AKD (Max) fit perfectly to the window profile.

Installation on top of the window frame

The Invisivent® EVO AKD (Max) is a thermally broken window ventilator that is installed on top of the aluminium, timber or PVC window frame. This almost invisible installation guarantees maximum light penetration as the glass size is not reduced.

Thermally broken

No cold air transfer from outside to inside.

i-Flux®

Thanks to its self-regulating flap, the Invisivent® EVO AKD (Max) ensures the supply of fresh and healthy air without draughts. Moreover, the interior profile deflects the incoming air upwards, causing an optimal spread of fresh air in the room.

Sound absorbing

Invisivent® EVO AKD: 39 (0;-2) dB in open position

Invisivent® EVO AKD Max: 47 (-1;-4) dB in open position

Removable acoustic foam

Insect mesh

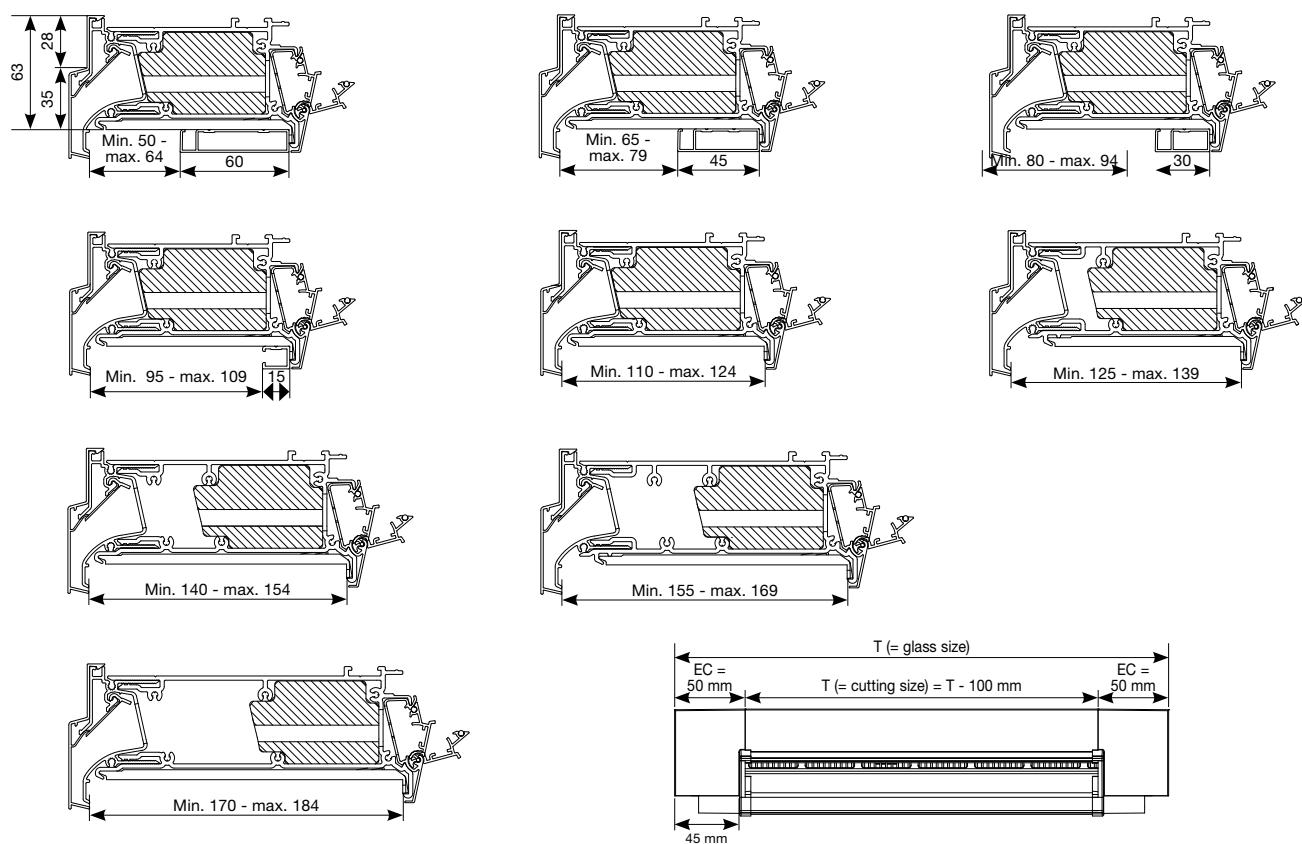
Burglar proof

The Invisivent® EVO range meets the requirements of burglary resistance class 2 according to standard prEN 1627 to 1630, and therefore suits to be used on a window class WK2.



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Section detail



Technical characteristics

	Invisivent® EVO AKD	Invisivent® EVO AKD-Max
Airflow		
Equivalent area	4961 mm ² /m	1400 mm ² /m
Q at 1 Pa	3,9 l/s/m	1,1 l/s/m
Q at 1 Pa	14,0 m ³ /h/m	4,0 m ³ /h/m
Q at 2 Pa	5,6 l/s/m	1,7 l/s/m
Q at 10 Pa	13,3 l/s/m	4,0 l/s/m
Q at 20 Pa	19,3 l/s/m	5,7 l/s/m
Comfort		
Sound reduction D _{n,e,w} (C _t ,C _{tr})		
- in open position	39 (0;-2) dB	47 (-1;-4) dB
- in closed position	60 (-1;-4) dB	63 (-1;-4) dB
Technical characteristics		
Controllable internal flap	5 stepped positions	
Control options internal flap	Manual, cord, rod, motor	
U value	1,2 W/m ² K (as from window depth 140 mm: 1,0 W/m ² K)	
Air leakage at 50 Pa	<15% (in closed position)	
Watertightness in closed position, up to	900 Pa	
Watertightness in open position, up to	150 Pa	
Dimensions		
Glass reduction	0 mm	
Height	63 mm	
Depths window frame	50 up to 184 mm (or more upon request)	
Max. length	6000 mm	