



Creating healthy spaces



Invisivent® *EVO*

The most discrete, self-regulating and acoustic overframe ventilators



Invisivent® EVO

The most discrete, self-regulating overframe flap ventilator

With the Invisivent® EVO, Renson® has developed the most discrete self-regulating window ventilator in the world that combines a healthy living comfort with a maximum visual comfort.

- **Installation on top of the window frame**

The Invisivent® EVO 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.

- **Insect mesh**

- **i-Flux®**

Thanks to its self-regulating flap, the Invisivent® EVO 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.

- **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.

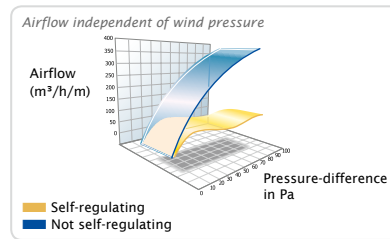
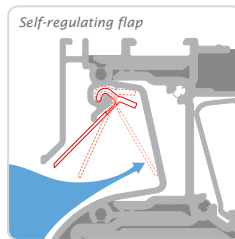


i-Flux® technology

= MAXIMAL COMFORT + MINIMAL ENERGY LOSS

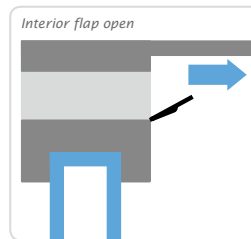
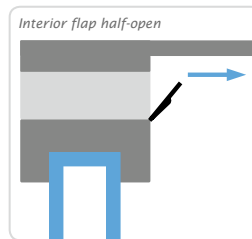
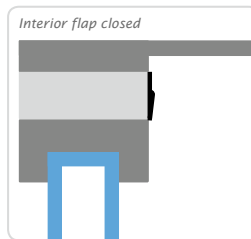
1. Airflow independent of wind pressure:

by means of a self-regulating flap in the ventilator that immediately reacts to wind pressure differences, the airflow remains constant (also at high wind forces) and draught is avoided.



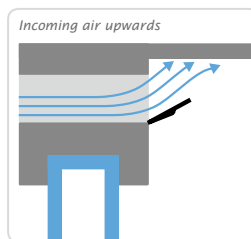
2. Adjustable airflow by means of a manually adjustable interior flap:

the inhabitant can determine himself which level of airflow is required (e.g. in function of the occupancy of the room).



3. Incoming air deflected upwards for an optimal comfort:

by the specific shape of the interior flap, incoming fresh air is deflected upwards, ensuring an optimal spread of the fresh air in the room and hence an optimal comfort for the inhabitants.





Invisivent® EVO HF

- delivers 30% more airflow than Invisivent® EVO:
 - Q at 1 Pa: 14,1 l/s/m
 - Q at 2 Pa: 18,5 l/s/m
- Ideal solution for spaces with small windows where sufficient airflow must be achieved
- No visual difference between the Invisivent® EVO HF and Invisivent® EVO in closed position

Non acoustic solution



Invisivent® EVO AKR33 - module

- Acoustic retrofit module
- Simple installation: click the AKR33-module onto the Invisivent® EVO or Invisivent® EVO HF
- Upgrades the Invisivent® EVO with extra acoustic damping: 33 (-1;-2) dB in open position
- Integrated acoustic foam: same design as Invisivent® EVO
- Available in the same colour as the Invisivent® EVO

Acoustic retrofit module
for post-installation



Invisivent® EVO AK

- Integrated, removable acoustic foam: same design as Invisivent® EVO
- 4 levels of sound absorption (in open position):
 - Invisivent® EVO AK Basic: 34 (0;-1) dB
 - Invisivent® EVO AK High: 39 (0;-1) dB
 - Invisivent® EVO AK Ultra: 42 (0;-2) dB
 - Invisivent® EVO AK Extreme: 48 (0;-2) dB

Acoustic solution



Invisivent® EVO HR

- Ideal solution for wind-impacted applications (such as high-rise building and apartment buildings on the coast)
 - perfect water-resistance: raincap
 - good stability: extra screws through Invisivent® EVO HR
 - perfect closure of interior flap: split-up interior flap + extra clips
- Integrated, removable acoustic foam
- 3 levels of sound absorption in open position:
 - Invisivent® EVO HR Basic: 34 (0;-1) dB
 - Invisivent® EVO HR High: 39 (0;-1) dB
 - Invisivent® EVO HR Ultra: 42 (0;-2) dB

Acoustic solution



Invisivent® EVO UT

- Especially developed for utility buildings in which both the natural supply and mechanical extraction are located in the same room
- Ideal solution for rooms with a high occupancy (as class rooms, offices, ...)
- Constant higher level of basic ventilation: self-regulation as from 10 Pa
- Integrated, removable acoustic foam: no visual difference with the Invisivent® EVO AK High or Extreme

Acoustic solution



Technical specifications

	Invisivent® EVO			Invisivent® EVO AK				Invisivent® EVO HR			Invisivent® EVO UT	
		Invisivent® EVO HF	AKR33 - module*	Basic	High	Ultra	Extreme	Basic	High	Ultra		
TECHNICAL SPECIFICATIONS												
Equivalent Area	13728 mm ² /m	17942 mm ² /m	11818 mm ² /m	13489 mm ² /m	9349 mm ² /m	7016 mm ² /m	2404 mm ² /m	13489 mm ² /m	9349 mm ² /m	7016 mm ² /m	10092 mm ² /m	
Q at 1 Pa	10,8 l/s/m	14,1 l/s/m	9,3 l/s/m	10,6 l/s/m	7,3 l/s/m	5,5 l/s/m	1,9 l/s/m	10,6 l/s/m	7,3 l/s/m	5,5 l/s/m	7,9 l/s/m	
Q at 1 Pa	38,8 m ² /h/m	50,8 m ² /h/m	33,4 m ² /h/m	38,2 m ² /h/m	26,5 m ² /h/m	19,9 m ² /h/m	6,8 m ² /h/m	38,2 m ² /h/m	26,5 m ² /h/m	19,9 m ² /h/m	28,6 m ² /h/m	
Q at 2 Pa	14,3 l/s/m	18,5 l/s/m	12,9 l/s/m	15,9 l/s/m	11,6 l/s/m	9,1 l/s/m	2,8 l/s/m	15,9 l/s/m	11,6 l/s/m	9,1 l/s/m	12,3 l/s/m	
Q at 10 Pa	13,1 l/s/m	16,5 l/s/m	11,6 l/s/m	17,9 l/s/m	14,0 l/s/m	8,0 l/s/m	6,4 l/s/m	17,9 l/s/m	14,0 l/s/m	8,0 l/s/m	30,7 l/s/m	
Q at 20 Pa	14,4 l/s/m	18,0 l/s/m	12,9 l/s/m	16,0 l/s/m	11,8 l/s/m	9,8 l/s/m	9,3 l/s/m	16,0 l/s/m	11,8 l/s/m	9,8 l/s/m	33,6 l/s/m	
Surface area	0,062 m ² /m											
Controllable	6 positions	5 positions	6 positions	5 positions	5 positions	5 positions	5 positions	16 positions	16 positions	16 positions	5 positions	
U-value	2,8 W/(m ² K)	2,8 W/(m ² K)	3,6 W/(m ² K)	2,0 W/(m ² K)	2,2 W/(m ² K)	2,2 W/(m ² K)	1,7 W/(m ² K)	2,0 W/(m ² K)	2,2 W/(m ² K)	2,2 W/(m ² K)	2,2 W/(m ² K)	
Self-regulating	yes						no	yes			as from 10 Pa	
Airflow leakage in closed positions at 50 Pa < 15%							yes					
Insect mesh							yes					
Watertightness in closed position	650 Pa	900 Pa	650 Pa	900 Pa	900 Pa	900 Pa	900 Pa	1200 Pa	1200 Pa	1200 Pa	900 Pa	
Watertightness in open position	50 Pa	150 Pa	50 Pa	150 Pa	150 Pa	150 Pa	150 Pa	250 Pa	250 Pa	250 Pa	150 Pa	
Burglar resistance							yes					
Thermally broken							yes					
COMFORT												
Sound reduction D _{red} (C _c) in open position	27 (-1;-1) dB	28 (-1;-2) dB	33 (-1;-2) dB	34 (0;-1) dB	39 (0;-1) dB	42 (0;-2) dB	48 (0;-2) dB	34 (0;-1) dB	39 (0;-1) dB	42 (0;-2) dB	39 (0;-1) dB	
Sound reduction D _{red} (C _c) in closed position	49 (-2;-4) dB	49 (-2;-4) dB	49 (-2;-4) dB	57 (-1;-4) dB	62 (-2;-6) dB	64 (-1;-4) dB	64 (-4;-11) dB	57 (-1;-4) dB	62 (-2;-6) dB	64 (-1;-4) dB	62 (-2;-6) dB	
DIMENSIONS												
Glass reduction	0 mm											
Height	62 mm	62 mm	62 mm	62 mm	62 mm	62 mm	62 mm	65 mm	65 mm	65 mm	62 mm	
Depths window frame	from 50 to 184 mm											
FINISHING												
Aluminium profile	E6/EV1, RAL, dual color											
Endcaps	Same colour as the aluminium profile											

* Simple installation: click the AKR33-module onto the Invisivent® EVO or Invisivent® EVO HF



RENSON® reserves the right to make technical changes to the products shown. The latest brochures may be downloaded from www.renson.eu

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